



**Atal Medical & Research University,  
H.P., Mandi at Nerchowk**

**First Ordinance**

**Volume-I**

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## CHAPTER-I

The subjects as and when started shall be assigned in terms of the First Statutes of Atal Medical & Research University to various Faculties as follows: -

**1. Faculty of Medicine**

Medical Sciences

**2. Faculty of Dental Sciences**

Dental Sciences

**3. Faculty of Indian System of Medicines**

1. Ayurveda
2. Homoeopathy
3. Unani
4. Sidha
5. Alternative Medicine
6. Integral Health
7. Yoga
8. Reflexology
9. Tradition System of Medicine

**4. Faculty of Pharmaceutical Science**

Pharmaceutical Sciences and other such allied sciences

**5. Faculty of Nursing Sciences**

Nursing Sciences

**6. Faculty of Paramedical Sciences and Health Sciences**

Para Medical Sciences Physiotherapy, occupational therapy and other paramedical courses.

**Faculty of Medical Sciences:**

Bachelor of Medicine and Bachelor of Surgery (M.B.B.S.)  
Master of Surgery (M.S.), Fellowships, Postdoctoral Fellowships.  
Doctor of Medicine (M.D), D.M., M.Ch, Ph.D.

**Faculty of Indian System of Medicine**

Ayurvedacharya  
Bachelor of Ayurvedic Medicine & Surgery (B.A.M.S.)  
Bachelor of Homoeopathic Medicine and Surgery (BHMS)

**Faculty of Dental Sciences**

Bachelor of Dental Surgery (BDS)  
Master of Dental Surgery (MDS)

**Faculty of Pharmacy**

Bachelor of Pharmacy ( B. Pharma)  
Master of Pharmacy (M.Pharm)

**Faculty of Nursing  
Science**

B.Sc. Nursing -B.Sc.4 years Degree Course  
B.Sc. Nursing (Post Basic) 2 years Degree Course  
M.Sc. Nursing ( 3 years Master Degree Course )  
Ph.D.

**Faculty of  
Paramedical  
and Allied  
Sciences**

B.Sc. Medical Technology (Laboratory)  
B.Sc. Medical Technology (Radiology & Imaging)  
B.Sc. Medical Technology (Anesthesia & Operation Theatre  
Techniques)  
B.Sc. Optometry, BPT/MPT, B.Sc. Audiology and speech Therapy  
  
B.Sc. Medical Technology (Renal dialysis Technology)  
M.Sc. in all above B.Sc. Courses.  
Bachelor of optometry  
Bachelor of physiotherapy

**7. Any other Faculty which shall be approval by the Board of Management from time to time.**

**Degrees, Diplomas and Certificates**

The University may award the following Degrees, Diplomas and Certificates in the different Faculties:-

The minimum qualification prescribed for admission to courses and entrance examinations, leading to the Certificates, Diplomas and Degrees prescribed for Certificates of the University Qualifications shall be as under:

**FACULTY OF MEDICAL  
SCIENCES Bachelor of Medicine  
and Bachelor of Surgery (MBBS)**

(a) 10+2 (years course) Examination of University/ Board established by law in India with Physics, Chemistry and Biology subjects on which shall include a practical test in science subjects with 50% marks (40% marks for SC/ST) Provided the candidate has qualified the subject of English as an elective subject in the above examination.

OR

Pre-Medical Examination of a University established by Law in India with Physics, Chemistry (including Organic Chemistry) and Biology which shall include a practical test in Science subjects with 50% marks in the aggregate (40% for SC/ST) and merely passing in the subject of English excluding the marks for additional optional subject, if any;

OR

The B.Sc.- I examination (old regulation) of a University established in India with Physics, Chemistry (including Organic Chemistry) and Biology which shall include a practical test in Science subjects with 50% marks in aggregate (40% marks for SC/ST) and merely passing in the subject of English excluding the marks for additional optional subject, if any;

OR

The Intermediate Science (Medical Group) of Board/ University established by Law in India with Physics, Chemistry (including Organic Chemistry) and Biology which shall include a practical test in Science subjects with 50% marks in the aggregate (40% marks for SC/ST) and merely passing in the subject of English excluding the marks for additional optional subject, if any;

OR

The B.Sc. degree with 50% marks (40% marks for SC/ST) of (a) University established by Law in India with any three out of Botany, Zoology, Chemistry, Physiology, Physics, Human Anatomy and Bio-Chemistry as subjects;

Provided that such a candidate must have passed the Pre-Medical or an equivalent examination of a Board/ University, established by Law in India.

OR

Any examination of a University, Board, College or School in a foreign country, recognized for the purpose by the Vice-Chancellor.

(b)The above qualifications will only determine the eligibility of a candidate for admission but the actual basis of admission shall be a competitive examination (NEET) based on written paper only in the subjects of Physics, Chemistry and Biology. However, 0.5% marks for the purpose of eligibility for appearing in combined Entrance test examination will be treated as 1%. This provision will also apply to SC/ST candidates.

(c) SC/ST will be given relaxation of 10% in the marks of qualifying examination as mentioned under [1(a)] to determine their eligibility for admission to the competitive examination.

(d) Candidates will be admitted to the MBBS/BDS Courses strictly on the basis of merit provided he/she secures at least 50% marks in the competitive examination based on written paper. In the case of SC/ST candidates he/she should secure at least 40% marks in the competitive examination.

(e) Passing of English Examination in pre-Medical or other equivalent examination before appearing in Atal Medical and Research University Competitive examination is compulsory. Conditional permission for passing English after admission into the course (s) will not be granted.

(f)The candidate should have already completed or should complete the age of 17 years and must not have completed 25 years of age on 31st December of the year of the concerned competitive examination. The application of candidates who do not fulfill the age requirements will be summarily rejected. Date of Birth as recorded in the Matriculation/Higher Secondary Certificate/Indian School Certificate will only be valid.

## **1. FACULTY OF DENTAL SCIENCES**

### **Bachelor of Dental Surgery (BDS)**

(a) 10+2 (12 years course) Examination of a University/ Board established by law in India Physics, Chemistry and Biology subjects which shall include a practical test in science subjects with 50% marks (40% marks for SC/ST)

Provided the candidate has qualified the subject of English as an elective subject in the above examination.

OR

Pre-Medical Examination of a University established by Law in India with Physics, Chemistry (including Organic Chemistry) and Biology which shall include a practical test in Science subjects with 50% marks in the aggregate (40% for SC/ST) and merely passing in the subject of English excluding the marks for additional optional subject, if any;

OR

The B.Sc.- I examination (old regulation) of a University established in India with Physics, Chemistry (including Organic Chemistry) and Biology which shall include a practical test in Science subjects with 50% marks in aggregate (40% marks for SC/ST) and merely passing in the subject of English excluding the marks for additional optional subject, if any;

OR

The Intermediate Science (Medical Group) of Board/ University established by Law in India with Physics, Chemistry (including Organic Chemistry) and Biology which shall include a practical test in Science subjects with 50% marks in the aggregate (40% marks for SC/ST) and merely passing in the subject of English excluding the marks for additional optional subject, if any;

OR

The B.Sc. degree with 50% marks (40% marks for SC/ST) of a University established by Law in India with any three out of Botany, Zoology, Chemistry, Physiology, Physics, Human Anatomy and Bio-Chemistry as subjects;

Provided that such a candidate must have passed the Pre-Medical or an equivalent examination of a Board/ University, established by Law in India.



OR

Any examination of a University, Board, College or School in a foreign country, recognized for the purpose by the Vice-Chancellor. The above qualifications will only determine the eligibility of a candidate for admission but the actual basis of admission shall be a competitive examination (NEET) based on written paper only in the subjects of Physics, Chemistry and Biology. However, 0.5% marks for the purpose of eligibility for appearing in combined Entrance test examination will be treated as 1%. This/her provision will also apply to SC/ST candidates; SC/ST will be given relaxation of 10% in the marks of qualifying examination as mentioned under (2a) to determine their eligibility for admission to the competitive examination.

Candidates will be admitted to the MBBS/BDS Courses strictly on the basis of merit Provided he/she secures at least 50% marks in the competitive examination based on written paper. In the case of SC/ST candidates he/she should secure at least 40% marks in the competitive examination.

(ii) Passing of English Examination in pre-Medical or other equivalent examination before appearing in Atal Medical and Research University Competitive examination is compulsory. Conditional permission for passing English after admission into the course (s) will not be granted.

(b) The candidate should have already completed or should complete the age of 17 years and must not have completed 25 years of age on 31st December of the year of the concerned competitive examination. The application of candidates who do not fulfil the age requirements will be summarily rejected. Date of Birth as recorded in the Matriculation/Higher Secondary Certificate/Indian School Certificate will only be valid.

## 2. FACULTY OF INDIAN SYSTEM OF MEDICINE

**Bachelor of Ayurvedic Medicine & Surgery (B.A.M.S.)** A candidate should have passed 10+2 examination with Science (Medical group) with Physics, Chemistry and Biology as subjects and up to class 10<sup>th</sup> desirably Sanskrit.

**Bachelor of Homoeopathic Medicine and Surgery (BHMS B. Pharma (Ayurveda).**

## 4. FACULTY OF PHARMACEUTICAL SCIENCE

- BACHELOR OF PHARMACY (B. PHARMA) (4 years course)**
- (i) For admission to 4 years Bachelor of Pharmacy (B.Pharma) the candidate should have passed 10+2 (Class XII) medical group or its equivalent examinations from recognized Board/ University
  - (ii) For admission to Bachelor of Pharmacy (B.Pharma), candidate must have appeared in the Entrance Test to be conducted by the Atal Medical and Research University or any other agency approved by Atal Medical & Research University, H.P. and admission will be made strictly on the basis of marks obtained in the entrance test for all types of seats.
  - (iii) In case the seats in Bachelor of Pharmacy (B.Pharma) remain vacant after exhausting/ availing the merit then in this case these seats will be filled up in order of merit to be determined on the basis of aggregate of marks obtained in PCB or PCM in 10+2 examination provided the candidate fulfils the minimum eligibility.
  - (iv) **LATERAL ENTRY IN BACHELOR OF PHARMACY (B.PHARMA)**  
For being eligible to seek lateral entry to Bachelor of Pharmacy (B.Pharma) programme at the 2<sup>nd</sup> year/ 3<sup>rd</sup> semester level, a student should be bonafide Himachali & should have acquired a diploma of 2 years (D. Pharmacy after 10+2) of H.P. State Board of Technical Education or equivalent. Lateral Entry for Diploma holders will be allowed in the 2<sup>nd</sup> year (3<sup>rd</sup> semester level) and the total number of seats reserved for such students will be 10% of

the sanctioned intake of first year. The candidates seeking admission against seats reserved for polytechnic students must have passed diploma course with a minimum of 60% marks in the aggregate.

Provided that the vacant seats in the 2<sup>nd</sup> year/ 3<sup>rd</sup> semester of Bachelor of Pharmacy (B.Pharm) in addition to 10% ceiling prescribed over and above sanctioned intake of first year level shall be filled up from the diploma holders possessing at least 60% marks (aggregate) in the diploma course. The candidates admitted through lateral entry will be at par with the students who have been promoted successfully to 3<sup>rd</sup> semester.

## 5. FACULTY OF NURSING SCIENCE

**B.Sc.(Nursing )  
M.Sc ( Nursing)**

A candidate should have passed 10+2 examination with science (Medical group) with Physics, Chemistry and Biology as subjects

### **Admission Guidelines:**

1. The minimum age for admission shall be 17 years on 31<sup>st</sup> December of the year in which admission is sought.
2. **Minimum Educational qualification:**
  - a) A candidate should have passed in the subjects of Physics, Chemistry, Biology (PCB) and English individually and must have obtained a minimum of 45% marks taken together in PCB at the qualifying examination (10+2).
  - b) Candidates are also eligible from State Open School recognized by State Government and National Institute of Open School (NIOS) recognized by Central Government having science subjects and English only.
  - c) English is a compulsory subject in 10+2.
3. Candidate shall be medically fit. However, colour Blind candidates should be considered for admission to Nursing Courses subject to the condition that colour corrective contact lens and spectacles are worn by such candidates.
4. Candidate shall be admitted once in a year.
5. **Reservation Policy:**
  - a) For disabled candidates 5% Disability reservation to be considered with a disability of locomotor to the tune of 45% to 50% of the lower extremity and other eligibility criteria with regard to age and qualification will be same as prescribed for each nursing programme.
  - b) Admission under the reserved quota shall be subject to reservation policy and eligibility criteria for SC/ST/OBC/PH/EWSs prescribed by the Central Govt./ State Govt./ Union Territory as applicable to the college concerned.
  - c) Reservation SC/ST, OBC or any other shall be as per the Central Govt./State Govt. rule as applicable.

Note: Reservation shall be applicable within the sanctioned number of the seats. This letter issues with the approval of Competent Authority.

## 6. FACULTY OF PARAMEDICAL SCIENCES

**(B.Sc. Medical Technology  
(Laboratory)**

**B.Sc. Medical Technology  
(Radiology and Imaging)**

**B.Sc. Medical Technology  
(Anesthesia & Operation  
Theater)**

**B.Sc. Medical Technology  
(Renal Dialysis technology)**

**B.Sc. Optometry**

**B.Sc. Physiotherapy**

**1. Eligibility:** Candidate must have passed 10+2 examination of any recognized Board with Medical Group with 50% marks in aggregate including English and 40% marks in case of SC/ST candidates.

Provided that *in-service candidates* they must have (essential qualifications at the time of appointment of relevant cadre i.e.:-

(a) Matric with Science.

(b) Diploma/ Certificate course in concerned subject i.e. Lab Technology, Radiology, Anesthesia awarded DHS or **Operation Theatre** DME and minimum ten years' experience in Govt. service **Techniques**) in Health & Family Deptt. and Ayurveda Deptt. of Himachal Pradesh.

OR

Must have passed 10+2 examination of any recognized University/ Board with science with 5 years experience in Health & Family welfare department and Ayurveda Deptt. in the concerned specialties (Lab Techniques/ Assistant Radiology/ OTA) in which the applicant intends to compete.

OR

All the interested candidates promoted from the post of Laboratory Assistant to the post of Laboratory Technicians who passed Matric with science examination from any recognized University/ Board and having 10 years experience as Laboratory technicians in Govt. service in the Health & Family Welfare Deptt. and Ayurveda Deptt. of Himachal Pradesh.

**2. Age:** A candidate should have attained minimum age of 17 years and maximum age of 25 years as on 31<sup>st</sup> December of the year concerned. Provided that the maximum age limit shall not be applicable in case of in-service candidates.

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## **CHAPTER- II**

### **(REGISTRATION OF STUDENTS)**

**2.1:-** As per the provision made in the Act of Atal Medical & Research University, HP of Health Science Act 2017 amended in 2019 at Clause No. 45(1) chapter (a) that every Student, joining the Atal Medical & Research University as a regular student or as a research scholar or joining as a student of a college or institution affiliated to the University or seeking admission to an examination of the University as a private candidate, shall be required to get himself/herself registered with the University.

Provided that in case of a student seeking registration/admission on wrong information in respect of age, subject and percentage of marks etc., his/her registration/admission will be liable to be cancelled, at any time, when it comes to the notice of the University and disciplinary action shall be taken against the candidate.

**2.2 Students of the University:** - All students registered with the University shall be called 'Students of the University'.

#### **2.3 Register of students: -**

(a) The Controller of Examinations shall maintain in such form as the Board of Management Committee may from time to time prescribe, a 'Register of Students'. The register shall contain the following information in capital letter: -

- (b) Full name of the student.
- (c) Name of the mother.
- (d) Name of the father
- (e) Date of Birth of the student.
- (f) Examinations passed (qualifying) for entry into the Atal Medical & Research University HP.
  - (i) Board
  - (ii) Migration Certificate No.
  - (iii) Year of passing
  - (iv) Roll No.
- (g) College/Institution joined. (Affiliated with Atal Medical & Research University HP.)
  - (i) Date of Joining.
  - (ii) Date of migration to another institution affiliated to the University and the name of Institution.
- (h) Name of examination of the University in which appeared.
  - (i) Year of examination.
  - (ii) Roll No.
  - (iii) Result of examination i.e. whether passed or failed, and if passed, the division in which placed.
  - (iv) Prizes, Medals or Scholarships won.
  - (v) Any other relevant information.

(b) The Principal of Constituent College/ Colleges of the University or of an Affiliated College/Colleges

or Institution, shall forward to the Registrar within one month of the date of admission the name and full particulars of the students admitted and their registration fees.

When a student registered with the University in past re- joins an institution affiliated with University, the student's registration number shall be communicated to the Controller of Examinations for record of the fact in the Register of Students.

(c) If the name of a student is struck off the rolls of University or he/she migrates to another institution/university or is rusticated or expelled, such fact shall also be immediately reported to the Controller of Examinations for record in the Register of students.

**2.4. Registration number:** - Every student of the University shall be supplied a Registration Card, showing his/her registration number, and in all correspondence with the University in respect of that student his/her registration number shall be quoted. This registration number shall be mentioned in application for admissions to examinations of the University and mentioned on the Degree and Marks Sheet issued by the University.

**2.5 Cessation of registration:** - The registration of a student, who migrates to join another University or is rusticated or expelled from the University shall be ceased, and shall not be renewed till the student applies for re-registration within two months of his/her being allowed to re-join the University.

#### **2.6 Registration fee, continuation fee and re-registration fees**

- (a) A student seeking registration shall be required to pay the registration fee as may be prescribed by the Board of Management/Finance Committee from time to time.
- (b) Each student shall pay a continuation fee as may be prescribed by the Board of Management/Finance Committee from time to time.
- (c) The re-registration fee shall be as may be prescribed by the Board of Management/Finance Committee from time to time.
- (d) A student is entitled to get a certified copy of all the entries relating to him/her in the "Register of Students" on payment of a fee as may be prescribed by the Board of Management from time to time.
- (e) A duplicate copy of the registration card may be issued on payment of a fee as may be prescribed by the Board of Management from time to time.

**2.7 Change in entries of the Register of Students:-** Except to correct a clerical error no change in the entries relating to the name and the date of birth of a student in the Register of Students shall be made except in accordance with and on payment of the fees as prescribed below:-

- (a) An application for a change in the entry shall be submitted through:-
  - (i) The Head of the Institution in which the student is studying;

OR

- (ii) The Head of the Institution in which he/she last studied and if that institution has ceased to exist, the head of an institution affiliated to or maintained by the University, if the person is a past student;

OR

- (iii) The Head of the Institution through which he/she got himself/herself registered or if that institution has ceased to exist, the head of an institution affiliated to or maintained by the University, in the case of a person who was a private candidate.

- (b) An application for the change of name shall be accompanied by-

- (i) An affidavit sworn before a Magistrate by the person himself/herself, if he/she is a major or by his/her parent or guardian; if he/she is a minor, stating the existing and the proposed /changed names;
- (ii) A cutting from a newspaper in which the proposed change of name has been advertised; and
- (iii) A fee as may be prescribed by the Board of Management from time to time.

- (iv) No change/correction in the name of the father or mother of a candidate will be allowed in the entries of the register of students maintained by his/her university unless it is on account of a purely clerical mistake such as, of an error in transferring the entry from one school register to another, The change in name when allowed shall be notified in the Himachal Pradesh Rajpatra.

- (c) An application for a correction in the date of birth shall be accompanied by-

- (i) A certificate from the Board/University/Council from which the student passed his/her High School/ Matriculation/ Examination, as the case may be, that the necessary correction has been made and a new certificate has been issued in lieu thereof.
- (ii) The new High School/Matriculation and
- (iii) A fee as may be prescribed by the Board of Management from time to time.

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## **CHAPTER-III (ADMISSION)**

### **3.1 Admission and reservation**

1. Admission to the various courses of study shall be open to all persons, irrespective of race, creed, caste or class subject to the following conditions: -

a) Reservations in admission for various categories will be applicable as per standing instructions of the competent authorities and Govt. from time to time.

2. The Minimum marks in qualifying examination for admission to a course in case of candidates belonging to scheduled castes & scheduled tribes categories shall be relaxed by 10% of the maximum marks. The admission to these reserved seats shall be made as per procedure/rules approved by the as per the policy of the Govt. from time to time.

**2.2 Basis of Admission:** - The basis of admission in all course of study including MBBS, BDS, BAMS, BHMS course etc. shall be merit to be determined by the competitive examination, or on the basis of qualifying examination (entrance test conducted by the University) in accordance with the policy framed by the Govt. of the Himachal Pradesh.

**3.3 Refusal of admission:** - Notwithstanding anything contained in the foregoing rules, a student shall be refused admission if his/her conduct during any previous stay in the University has been unsatisfactory. Such a student shall, however, have the right of appeal to the Vice-Chancellor, whose decision shall be final.

A Student who has been expelled or rusticated shall not be admitted to any course of study in the University without the prior approval of the Vice- Chancellor.

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## CHAPTER-IV

### (EXAMINATION GENERAL)

4. Save as otherwise provided in the Statute, a degree or certificate shall be awarded to a candidate after such examination as may be prescribed for that degree, diploma or certificate.

(a) Every candidate, shall be required to undergo a regular course of study i.e. attendance at lectures, tutorials, seminars, practical etc.

(b) In order to be eligible to appear at a University examination, a candidate should have put in 80 per cent attendances in each subject of the concerned courses in Theory as well as in Practicals separately.

Provided that in the case of a candidate provisionally admitted to a higher class, but reverted to the lower class, as provided herein after, his/her condition shall only be required to be fulfilled in respect of attendances or assignments as the case may be from the date of his/her reversion to the lower class:

(c) The Vice Chancellor, on the recommendation of the head of the institution concerned, may in special circumstances, for reasons to be recorded in writing, condone shortage in attendance up to 5% in each subject for theory and Practical separately. The Principal of institution/HOD may condone 5% attendance similarly.

#### 4.1. EXAMINATIONS

(a) The University shall from time to time prescribe the admission forms and the certificates required in support thereof for appearing in different examinations of the University and make these forms available to all concerned.

(b) The Controller of Examinations shall notify the dates of the commencement of various examinations of the University and the last dates for the submission of application forms for admission to the same from time to time.

#### 4.2. REFUND OF FEES

A candidate-

(a) who fails to present himself/herself for the examination or any part thereof; or

(b) who has appeared in an examination provisionally; or

(c) Who is subsequently declared to be ineligible

Shall not be entitled to refund of the fee or to have it kept in deposit for subsequent examination:

**Provided that-**

(i) if a candidate dies before the commencement of his/her examination, the fee shall be refundable to his/her legal heirs:

(ii) if a candidate is unable to appear due to medical grounds in an examination, after

submitting his/her admission form and fee, but before he/she has appeared in the examination or any part thereof, 75 per cent of his/her admission fee shall be refundable to him/her: Medical Certificate should be submitted which is issued by Medical practitioner Registered with **Medical Council of India (NMC) or State Medical Council**.

The application for refund of the fee shall be made on the prescribed form within three months of the date when the refund becomes due.

Late fee shall be refunded in full provided a candidate is declared ineligible in terms of ordinance

- (iii) Excess fee, Migration fee and Registration fee etc. wrongly deposited by a candidate shall all be refunded in full:

Provided that the applications for refund of fee shall be made within 3 months from the date of the deposit of the fee (s)/declaration of ineligibly to appear in the examination.

#### **4.3 CONDUCT OF EXAMINATIONS**

All examinations of the University shall be conducted in accordance with regulations framed for the purpose by the Board of Management. These regulations shall provide inter alia for the following:

- a. Creation and cancellation of the examination centres; provided that no new centre shall be created except in a college or institution which has been affiliated to or recognized by the University or at any other place after proper inspection by the Controller of Examination or his/her nominee with regard to availability of satisfactory facilities;
- b. Appointment, duties and remuneration, if any, of the supervisory staff, including Senior Superintendent, Deputy Superintendent, Assistant Superintendent, Clerical and other assistance etc.
- c. Appointment and duties of inspectors and the mode of inspection of the examination centers:
- d. Provision of facilities to the permanently physically handicapped candidates.

Every candidate shall take the examination at the examination centre allotted to him/her.

#### **4.4 CHANGE IN THE ALLOTTED CENTRE**

1. A change in the allotted centre of examination may be permitted by the Controller of Examination in the following circumstances: -

- a) If the candidates father/mother or guardian is transferred and the fact of transfer is certified by the Head of the office, or of the Department in which he or his/her father/mother or guardian, as the case may be, is employed;
- b) If the change of centre is necessitated by reason of a candidate's ill health and the fact of illness is supported by a certificate from a Registered Medical Practitioner not below the rank of a Medical Officer registered with Medical Council in India or National Medical Commission/ State Medical Council.
- c) To avoid hardship in an exceptional case not covered by (a) and (b).

2. An application for change of the allotted centre shall be made on the form prescribed for the purpose, and shall be accompanied by the prescribed fee and two passport size copies of the candidate's

photograph, bearing on the front the candidate's signature in full, duly attested by the authority who had signed or countersigned the original application of the candidate for admission to that examination, or by the head of an affiliated institution. The face must be spared while signing the photograph.

3. No application for change in the allotted centre shall be entertained, unless it reaches the Controller of Examinations at least twenty-one days before the commencement of the examination, and if the change of centre is sought only for the practical examination, at least twenty-one days before the commencement of such practical examination.

4. Provided that the Vice-Chancellor may for medical reasons and in the circumstances, enumerated for reasons to be recorded by him/her in writing, permit the application of a candidate for a change in the allotted centre for the examination, or for the practical examination only, to be entertained by the Controller of Examinations up to seven days before the commencement of the examination or the practical examination as the case may be.

5. The fees as may be prescribed by the Board of Management/Finance Committee from time to time shall be required to be paid along with application for a change in the allotted center, within Himachal Pradesh.

#### **4.5. DISCIPLINARY CONTROL OF AN EXAMINATION CENTRE**

1. During an examination, a candidate shall be under the disciplinary control of the Senior Superintendent and Superintendent of the centre and he/she shall obey their instructions. If a candidate disobeys their instructions or misbehaves with any member of the supervisory staff or with any of the examinees at that centre, he/she may be excluded from the examination of that session.

2. The Centre Superintendent shall immediately report the facts of such a case with full details of evidence to the Controller of Examinations who will refer the matter to the Examination Disciplinary Committee. The Committee may order the cancellation of the examination of the candidate for that session or the entire examination, and further disqualify him/her from appearing in any University examination for period not exceeding three years. However, if the committee is satisfied that the exclusion of the candidate from the examination was not justified, it shall order that the candidate be provided another early opportunity to take the examination concerned, and if it is of the view that the exclusion of the candidate was mala fide, it shall also recommend to the Vice-Chancellor that proper disciplinary action be taken against the Senior Superintendent of the concerned center.

(a) Every day before an examination begins, the Superintendent, shall call upon all the candidates to search their pockets, tables, desks etc. and hand over deliver all the papers, books, notes or other reference material including electronic devices which they may have in their possession or accessible to them. Whenever a late-comer to the examination is admitted the warning cell as mentioned above shall be repeated to him/her in the examination hall.

(b) The Superintendent, shall forward to the Controller of Examinations every day a declaration, signed by him/her and witnessed by all the Assistant Superintendents then on duty, to the effect that as a matter of fact the candidates were called upon to search their pockets, tables, desks etc. and to

surrender all papers, books, notes, or other reference material including electronic devices in their possession or accessible to them and that all late-comers to the examination were also given the warning as required in paragraph (a) above.

(c) If at a University examination, but before the question paper is distributed, a candidate voluntarily surrenders to the Superintendent, books, notes or other reference material including electronic devices in his/her possession, or if a candidate is found having in his/her possession or accessible to him/her papers, books, notes or any other material or device, which do not relate to the subject of the examination and which could not possibly be of any assistance to him/her, the case shall be reported to the Controller of Examinations even though no action may be called for against the candidate.

#### **4.6 USE OF UNFAIR MEANS**

1. A candidate shall not use unfair means in connection with any

##### **Examination**

The following shall be deemed to be unfair means: -

- a) Talking to another candidate or any person, inside or outside the examination hall, during the examination hours without the permission of a member of the supervisory staff.
- b) Leaving the examination hall without delivering the answer book or continuation sheet, if any, to the Superintendent or the Deputy Superintendent or the Assistant Superintendent concerned, and taking away tearing off or otherwise disposing of the same or any part thereof.
- c) Writing on blotting paper or any other piece of paper, a question or anything connected with or relating to a question, or solving a question on anything except the answer-book or the continuation sheet supplied to the candidate.
- d) Using abusive or obscene language in the answer-book.
- e) Deliberately disclosing one's identity or making any distinctive marks in the answer book for that purpose, or writing Roll Number at place/s other than the specified for that purpose.
- f) Making an appeal to the Examiner by writing on the answer book.
- g) Possession by a candidate or having accessible to him/her books, notes, paper or any other material, whether written, inscribed or engraved or any other device, which could be of help or assistance to him/her in answering any part of the question paper.
- h) Concealing, destroying, disfiguring, rendering illegible, swallowing, running away with, causing disappearance of or attempting to do any of these things in respect of any book, notes, paper or other material or device, used or attempted to be used for assistance or help in answering a question or a part thereof.
- i) Passing on or attempting to pass on, during the examination hours, a copy of a question or a part thereof or the question paper itself or a part thereof, or solution to a question or a part thereof, to any other candidate or to any other person.
- j) Smuggling into the examination hall an answer-book or a continuation sheet, or taking out or arranging to send out an answer-book or continuation sheet, or replacing or attempting to get

replaced the answer-book or continuation sheet, during or after the examination with or without the help or convenience of any person connected with the examination, or through any other agency, whatsoever.

**(k)** Receiving or attempting to receive, with or without the help or convenience of any member of the supervisory or assisting staff or any outside agency, a solution to a question or a part thereof.

**(l)** Approaching or influencing directly or indirectly, a paper setter, examiner, evaluator, tabulator or any other person, connected with the University examinations, with the object, directly or indirectly, of inducing him or her to leak out the question paper or any part thereof, or to enhance marks, or to favorably evaluate, or to change the award in favor of the candidate.

**(m)** Undue influence, that is to say any direct or indirect interference or attempt thereof, on the part of the candidate, or of any person on his/her behalf, with the discharge of the duties of a member of the supervisory or inspecting staff of an Examination Centre before, during or after the examination.

Provided that without prejudice to the generality of the provisions of this/her clause any such person as is referred to therein who-

**i.** Abuses, insults, intimidates, assaults any member of the supervisory or inspecting staff, or threatens to do so;

**ii.** Abuses, insults, intimidates, assaults any other candidate or threatens to do so;  
Shall be deemed to have interfered with the duties of the supervisory and the inspecting staff within the meaning of the clause.

**(n)** Copying, attempting to copy, taking assistance or help from any book, notes, paper or any other material or device, or from any other candidate, to do any of these things or facilitating or rendering any assistance to any other candidate to do any of these things.

**(o)** Presenting a thesis, dissertation, practical or class-work note book, wherever required, not prepared or produced by the candidate himself/herself.

**(p)** Arranging or permitting any person, whosoever he/she may be, to impersonate for the candidate at the examination.

**(q)** Forging a document or using a forged document, knowing it to be forged, in any matter relating to the examinations.

**(r)** The Board of Management may declare by resolution any other act of omission or commission to be unfair means in respect of any or all the examinations.

**(s)** If the Board of Management is satisfied that (i) there has been copying or use of unfair means on mass scale at a particular center or centres it may cancel the examination of the candidates concerned and order re-examination.

OR

**(i)** Disqualify the candidate from appearing at such examination of the University for a period not exceeding one year; in case disqualification is to be imposed then such action may be taken

on the report, recommendations of the Examination Discipline Committee, or the Board of Management may take such action suo moto after giving the effected candidates a reasonable opportunity of being heard. The Board of Management may take one or both the actions, i.e. ordering, re-examination and disqualifying them from appearing at such examination as stated above.

**(ii)** the use of unfair means at the Center (s) was aided, abetted or connived at by the authorities of the institution where the Centre was located or by some other outside agency or due to the inability of the authorities to prevent the use of unfair means, it may abolish that centre for a period as deemed fit and/or take such action and in such manner as stated in (i) above.

**2.(a)** The Senior Superintendent/Superintendent of the examination centre shall report to the Controller of Examinations without delay and on the day of the occurrence, if possible, each case where use of unfair means in the examination is suspected or discovered with full details of the evidence in support thereof and the statement of the candidate concerned, if any, on the forms supplied by the Controller of Examinations for the purpose.

**(b)** A candidate shall not be forced to give a statement, but the fact of his/her having refused to make a statement shall be recorded by the Superintendent and shall be got attested by two other members, of the supervisory staff, if on duty, at the time of occurrence.

**(c)** A candidate detected or suspected to be using unfair means in the examination shall be permitted to answer the remaining part of the question paper, but on a separate answer-book and the answer- book in which the use of unfair means is suspected shall be seized by the Superintendent, who shall send both the answer-books to the Controller of Examinations with his/her report. This will not affect the candidate's right to appear in the rest of the examination.

**(d)** All cases of use of unfair means specified in shall be reported immediately to the Controller of Examinations by the examiner, paper-setter, evaluator, tabulator or the person connected with the University examination, as the case may be, with all the relevant material.

#### **4.7 Examination Disciplinary Committee**

**1.(a)** All the cases of alleged use of unfair means shall be referred and presented by the Officer Incharge to a Committee, called the Examination Disciplinary Committee to be appointed by the Board of Management on the recommendations of the Vice-Chancellor.

**(b)** The Committee shall consist of at least five members drawn from the fields of Medical Education.

**(c)** A member shall be appointed for a term of two years, but shall be eligible for re-appointment.

**(d)** Members of the Examination Disciplinary Committee shall be paid such remuneration as may be decided by the Board of Management /Finance Committee from time to time.

**(e)** At least three members present shall constitute the quorum.

**(f)** A decision taken by the majority of members present at a meeting shall be final; but if the

members are equally divided, the case shall be referred to the Vice- Chancellor, whose decision shall be final.

(g) A candidate may within seven days of the receipt of the decision of the Examination Disciplinary Committee bring to the notice of the Vice-Chancellor, in writing, any fact or material, which may not have been considered by the Examination Disciplinary Committee. The Vice- Chancellor, if satisfied that there is force in the representation of the candidate, may refer back the case to the Examination Disciplinary Committee for reconsideration.

The Examination Disciplinary Committee shall then re-consider the case and a unanimous decision of the Committee shall be final. In case of difference of opinion amongst members of the Committee the matter shall be referred by the Vice Chancellor, to the Board of Management, whose decision shall be final.

**2. (a) (i)** The Controller of Examinations, or any officer authorized by him/her in his/her behalf, shall by means of a registered letter issued to the person concerned a show cause notice, which shall be accompanied by a copy of the reports received against him/her about the use of unfair means and also make available to him/her the full details of the evidence and the statement of the candidate, if any,

(ii) The show cause notice shall be issued at least 15 days earlier to the date on which the proceedings against the candidate are intended to be taken and the receipt issued by the Post Office in token of the show cause notice having been dispatched shall be taken as sufficient proof of the candidate concerned having been served with the show cause notice referred to in sub-cause (i) above.

(b) The person concerned shall be called upon to intimate if he/she would like to be heard in person or would like to produce evidence in his/her defense. The person shall, however, be informed that he/she would himself/herself have to bear all the expenses in connection with his/her appearance before the Committee and in connection with his/her production of his/her defense evidence.

(c) The person concerned shall be given a period of at least fifteen days to submit his/her explanation, and if he/she fails to do so within the time allowed to him/her, a decision may be taken against him/her expert by the Examination Discipline Committee.

On the request of the person concerned the examination Discipline Committee shall allow him/her to be heard in person and to produce evidence in his/her defense and for his/her purpose may also allow inspection of the record in its presence.

In all proceedings before the Examination Discipline Committee, a person alleged to have used unfair means shall not be allowed to be accompanied or represented by any other person. The Examination Discipline Committee may order that:

(i) The examination for the session or paper in respect of which a candidate is found to have used unfair means

**Explanation:** In case of the competitive examination for admission to the various Medical & Paramedical Courses in the Medical Colleges or Dental Colleges or other Institutions affiliated to the university, in which a student has been found guilty of committing Unfair Means under these

ordinances may be debarred/disqualified from appearing in any subsequent examination/examinations, and he/she may further be punished for the use of such Unfair Means as provided in these Ordinances in addition or in substitution to the punishment provided above.

The Examination Discipline Committee shall bring to the notice of the Board of Management through the Vice-Chancellor all cases in which the use of unfair means by a candidate in an examination has been the result of instigation, conspiracy, assistance or intentional aid by an act or omission on the part of any person other than a candidate at the examination. The Board of Management may disqualify the person or persons from any or all of the following:

- (i) Appearing at any University examination for a period not exceeding one years:

Provided that a person who impersonates for a candidate in any examination shall be permanently debarred from appearing at any University examination, and any degree, diploma, or certificate already conferred on him/her by the University shall also be liable to be withdrawn.

- (ii) Getting any remunerative work of the University for such period as the Board of Management may determine;

- (iv) Being appointed to or retained in the service of the University or an institution affiliated to or recognized by it.

#### **4.8 RE-EXAMINATION**

The Board of Management may order re-examination if it is satisfied that there has been a leakage of a question paper or a part thereof.

#### **4.9 APPOINTMENT OF PAPER-SETTERS, HEAD EXAMINERS, DEPUTY HEAD EXAMINERS, INTERNAL EXAMINERS AND EXTERNAL EXAMINERS.**

(a) The Paper Setters, External Examiners, Head Examiners/Co- coordinators /Internal Examiners/Examiners shall be appointed by the COE, of own OR out of panel of names to be submitted to him/her by Dean Academics.

(b) The Paper-Setters/External Theory and Practical Examiners/Head Examiners/Co-ordinators, Internal Theory and Practical Examiners shall ordinarily be selected out of the following, lists for every examination subjects, prepared separately and as per standing instructions of regulatory bodies.

##### **Name of Course**

Name of Subject	Paper-Setters/External Examiners	Paper Setter/Internal Examiners/ Examiners
1	2	3

- (c) In all cases where the University prescribed competitive Test based admission, the COE will



get the question papers set and answer books evaluated in a manner he/she deems fit.

The Paper Setters/ External Examiners, head Examiners, Co-ordinators, Deputy Head Examiners and Examiners shall be appointed for a term of maximum two years and shall be eligible for re- appointment.

The functions, duties and remuneration, if any and the conditions entailing permanent or temporary disqualification of the Paper-Setters/ External Examiners, Head Examiners/ Co-ordinators, Deputy Head Examiners, Internal Examiners and Examiners, shall be as prescribed by the Board of Management from time to time.

Every Paper-Setter/External Examiner, Head Examiner/ Co-ordinator, Deputy head Examiner, Internal Examiner and Examiner shall be supplied with detailed instructions with which he/she shall comply, inefficiency or lack of integrity in the discharge of duties shall entail permanent disqualification.

If the COE is satisfied that a Paper- setter/External Examiner, Head Examiner/Co-ordinator, Deputy Head Examiner, Internal Examiner or Examiner is unable to perform his/her work, or to discharge his/her duties efficiently or with integrity or in accordance with the instructions of the University, he/she may cancel the appointment of the person concerned and may appoint a substitute of his/her own or out of the panel of names submitted to him/her in case of emergency may appoint any other person in consultation with the concerned Head of the Department or the Dean of the Faculty, if easily available.

It would be the duty of the Controller of Examinations to ensure secrecy, integrity and accuracy of examination results and he/she may with the approval of the Vice-Chancellor engage such persons, as he/she may deem fit for preparation of key books for fictitious roll numbers, for affixing fictitious roll numbers on the scripts, de-codification of fictitious roll numbers on the tabulation chart, and for tabulation and collation of results. The persons thus engaged shall perform these duties and be paid remuneration as per rates decided by Vice-Chancellor. If Govt. servants are engaged then they shall be paid remuneration, provided work is done after office hours.

#### **4.10 PAPER SETTING**

(a) The question papers for the examinations for the Faculties shall ordinarily be set jointly by External and Internal Examiners according to the instructions issued for the purpose by the COE from time to time. Senior and regular faculty shall be assigned duty of paper setting and moderation.

(b) Three question papers shall be got prepared for each subject from different examiners or same examiner if emergency.

#### **4.11 COMPLAINTS AGAINST QUESTION PAPER**

All complaints against a question paper shall be addressed to the Controller of Examinations by name by the Principal of the affiliated or recognized institutions and shall be sent to him/her by Registered Post within five days of the examination in that paper.

The Controller of Examinations shall immediately place before the Vice-Chancellor all complaints referred to in paragraph above. The Vice-Chancellor may consult the paper- setter and the convener of the Board of studies in the subject concerned, and shall take such action as he/she deems necessary.

#### **4.12 EVALUATION OF SCRIPTS/CONDUCTING PRACTICAL EXAMINATIONS**

(a) The senior most internal examiner shall Co-ordinator. The senior most examines shall be Head Examiner.

(b) In case of the non-availability of a Paper-Setter to act as Head Examiner/ Co-ordinator, or in case there are a large number of scripts to be examined the COE may appoint Head Examiners, Deputy Head Examiners and Examiners out of the panel of names submitted to him/her.

(c) The Head Examiner/Co-ordinator shall issue instructions for the marking of scripts and shall co-ordinate the work of the Deputy Head Examiner (s), Examiner (s) working with or under him/her to ensure uniformity of standard in the matter of evaluation.

(d) The Deputy Head Examiner shall supervise the work of the Examiners working with or under him/her and ensure uniformity of standard in evaluation.

(e) The Vice-Chancellor may pass orders to COE for examiners or of his/her own if so enlist of AMRU.

#### **4.13 EVALUATION CENTRES**

In the case of examinations other than those in which there are both External and Internal Examiners, the Vice-Chancellor may set up Evaluation Centres.

(a) Each Evaluation Centre shall be in a Govt. institution and shall be under the charge of a Controller appointed by the Vice-Chancellor. Where, however, an Evaluation Centre is located in an affiliated College or institution, the Principal of the College or the head of the institution concerned shall ordinarily be the Controller of evaluation centre.

(b) It shall be the duty of the Controller to ensure integrity of evaluation and its completion within the prescribed time. The Controller of evaluation centre shall be personally responsible for the safe custody of the scripts and shall make them available to the Head/Deputy Head Examiners every day in accordance with the instructions, if any, issued by the Controller of Examinations and shall collect them every evening along with the award lists for onward transmission to the Controller of Examinations.

(c) The functions, duties and remuneration of the Controller, Deputy Controller and other members of the staff appointed to assist them shall be as prescribed by the Board of Management from time to time.

The evaluation of scripts at each Evaluation Centre shall be done by the Examiners under the supervision of the Head or Deputy Head Examiner (s), designated as Co-ordinators, who shall ensure co-ordination and uniformity of standard.

#### **4.14 MODERATION OF RESULTS**

For calculating pass marks prescribed in these Ordinances for various examinations, every half mark or more shall be rounded off to the next higher whole number in grand total for subject and shall be ignored if is less than half.

(a) A candidate, who appears at an examination, but fails in one or more Course(s)/paper(s), in case of Post-Graduate examinations, and subject(s) in the case of Under-Graduate examinations (written, practical, sessional or viva-voce), and/or in the aggregate (if there is a separate requirement of passing in the aggregate), shall be given grace marks upto a maximum of one percent of the total aggregate marks allotted to the Course(s)/Paper(s)/ Subject(s), as the case may be, in which he/she has appeared

to enable him/her to pass the said examination. While awarding grace marks the fraction working to half or more will be rounded off to the next whole number;

Provided that in the case of MBBS, BDS, BHMS, BAMS NURSING & PARAMEDICAL examinations the grace marks shall be given up to one percent of the total marks of each subject and shall be awarded subject-wise;

Provided further that grace marks up to a maximum of five may be awarded to a candidate who has failed only in one subject if it enables him/her to pass the entire examination.

Provided, however, that a candidate who is getting through with grace marks shall have an option not to avail of the benefit of grace marks. The application exercising such an option shall reach the Controller of Examinations within 30 days of the declaration of the concerned result and the Vice-Chancellor will rectify such results and report such cases to the Academic Council in its next meeting.

#### **4.15 DECLARATION OF RESULTS**

(a) At the time of declaration of results a merit list shall be prepared on the basis of aggregate marks allotted to the examination concerned excluding the marks in additional optional subject.

#### **4.16 PUBLICATION OF RESULTS**

The Controller of Examinations shall publish the results of all the examinations. The list of the names of successful candidates, showing in each case the marks obtained, shall be simultaneously communicated to the institution presenting the candidates.

Failure statements of the examinations, showing the subject or subjects in which the candidates have failed to obtain the prescribed minimum number of pass marks, shall be prepared by the Controller of Examinations and it shall be his/her duty to communicate the same to the institutions concerned within 10 days of the communication of the results.

(a) The Controller of Examinations may, on the report given in writing by the head of the institution concerned, withhold the result of a Candidate, who has already taken the examination if the candidate has failed to pay the dues outstanding against him/her including hostel and mess charges, or has failed to return library books or other article, or in case of loss has not paid the cost thereof as assessed by the Head of the institution.

(b) The Controller of Examinations will not declare the result unless the student concerned produces “No Dues Certificate”/ NOC from the Hostel/Library through Head of Institutions.

Except in the case of the First Professional M.B.B.S. examination, a candidate, the result of whose examination is notified as ‘Later’ may be allowed to join the next higher class provisionally. In case he/she is declared as having failed, his/her admission shall stand cancelled and he/she shall forthwith revert to the lower class. He/she shall have no claim against the institution he/she had joined and/ or the university.

Fees paid by such a candidate for the higher class shall be adjusted against the dues of the lower class, but in case he/she discontinues his/her studies, fee paid by him/her shall not be refunded.

#### **4.17 LOSS OF ANSWER-BOOK**

A candidate whose answer-book is lost after having been received by the Superintendent or Superintendent-in-charge of the Examination Centre, provided he/she has passed in all other subjects of the examination, may be permitted by the Vice-Chancellor to reappear in that paper, which is lost, on a date to be fixed by the Controller of Examinations, and if he/she obtains pass marks in that paper he shall be deemed to have passed the examination. In the case of dispute as to whether a candidate's paper was duly received or not, the finding of the Controller of Examinations subject to confirmation by the Vice-Chancellor, shall be final.

#### **4.18 POSTPONED/NOT HELD EXAMINATIONS**

The Vice-Chancellor, may order the holding of an "Postponed/Not held Examination" in the same semester or the same year, as the case may in respect of any examination of the University on the following conditions:-

**(i)** Where an examination has been duly notified to be held and where due to certain unforeseen calamities such as excessive snow and break down of power supply on the day of the Examination, an examination will be notified by the University to be held on a subsequent date and the candidates taking such an examination will be entitled to benefits accruing to candidates taking a regular examination.

**(ii)** Where an examination has been duly notified to be held and the postponement has to be ordered on account of disturbed conditions, riots and curfew, the candidates taking such an examination on a subsequent date to be notified by the University would be entitled to all such benefits as accrue to candidates taking the regular examination.

#### **4.19 RE-CHECKING**

If a candidate feels that either some of the answers in his/her script had not been evaluated or there is a mistake in totaling the marks awarded to him/her, he/she may within 21 days of the issue of the marks-sheet, apply in the prescribed form accompanied by the fee as prescribed by the Board of Management from time to time to the Controller of Examinations for the re-checking of his/her script. If on re-checking a mistake is discovered, the mistake shall be rectified and the fees paid by the candidate shall be refunded.

Question in Paper shall be evaluated by two examiners and mean of marks entered against each subject.

#### **4.20 CANCELLATION OF EXAMINATION**

The Board of Management may cancel the examination of a candidate, if it is found that he/she was not eligible to appear in the examination but had obtained admission through misrepresentation or a mis-statement of facts. Such a candidate shall also be liable to be disqualified from appearing at any University examination for a period, which may extend to five years.

The pending results of such defaulting candidates as fail to settle their discrepancies in

respect of examination fee, late fee, submission of academic particulars, enrolment fee etc., upto the commencement of the following Annual Examination in case of undergraduate MBBS, BDS, BAMS, BHMS, Nursing & Paramedical and upto the commencement of the next corresponding semester examination in the case of post graduate candidates shall stand cancelled.

#### **4.21 RECTIFICATION OF RESULTS**

The Board of Management shall have the power to quash the result of a candidate after it has been declared, if-

- (i) He/She is disqualified for using unfair means in the examination; or
- (ii) A mistake is found in his/her result; or
- (iii) He/She is found ineligible to appear in the examination; or
- (iv) He/She has been rusticated or expelled from a College or a Teaching Department of the University.

The Board of Management shall have the power to order rectification of the result of a candidate if at any stage a mistake of any kind is discovered.

#### **4.22 ISSUE OF DUPLICATE COPIES OF MARKS-SHEET, CERTIFICATES AND DIPLOMAS**

Duplicate copies of Marks-Sheets, Certificates and Diplomas may be supplied only on payment of such fees and under such conditions as may be laid down by the Board of Management from time to time.

#### **4.23 TAMPERING WITH A CERTIFICATE AND OBTAINING CERTIFICATE ON FALSE REPRESENTATION**

The Vice-Chancellor shall have the power to disqualify a person, who is found guilty of -

- (i) Tampering with his/her own certificate or diploma; or
- (ii) Obtaining or attempting to obtain certificate or diploma to which he/she is not entitled.

The period of disqualification shall be determined by the Vice-Chancellor and the case shall be reported to the Board of Management.

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## **CHAPTER-V**

### **FACULTY OF MEDICAL SCIENCES UG (MBBS)**

#### **GENERAL CONSIDERATIONS AND TEACHING APPROACH**

##### **5.1 Introduction**

The provisions contained in this ordinance of Atal Medical & Research University, Ner Cowk, H.P. shall apply to the MBBS course starting from academic year 2020-21 onwards.

##### **5.2 Indian Medical Graduate Training Programme**

The undergraduate medical education programme is designed with a goal to create an “Indian Medical Graduate” (IMG) possessing requisite knowledge, skills, attitudes, values and responsiveness, so that she or he may function appropriately and effectively as a physician of first contact of the community while being globally relevant. To achieve this, the following national and institutional goals for the learner of the Indian Medical Graduate training programme are hereby prescribed:-

###### **5.2.1 National Goals**

At the end of undergraduate program, the Indian Medical Graduate should be able to:

- 5.2.1.1 Recognize “health for all” as a national goal and health right of all citizens and by undergoing training for medical profession to fulfill his/her social obligations towards realization of this goal.
- 5.2.1.2 Learn every aspect of national policies on health and devote her/him to its practical implementation.
- 5.2.1.3 Achieve competence in practice of holistic medicine, encompassing promotive, preventive, curative and rehabilitative aspects of common diseases.
- 5.2.1.4 Develop scientific temper, acquire educational experience for proficiency in profession and promote healthy living.
- 5.2.1.5 Become exemplary citizen by observance of medical ethics and fulfilling social and professional obligations, so as to respond to national aspirations.

###### **5.2.2 Institutional Goals**

- (1) In consonance with the national goals each medical institution should evolve institutional goals to define the kind of trained manpower (or professionals) they intend to produce. The Indian Medical Graduates coming out of a medical institute should:
  - (a) be competent in diagnosis and management of common health problems of the individual and the community, commensurate with his/her position as a member of the health team at the primary, secondary or tertiary levels, using his/her clinical skills based on history, physical examination and relevant investigations.
  - (b) be competent to practice preventive, promotive, curative, palliative and rehabilitative medicine in respect to the commonly encountered health problems.
  - (c) appreciate rationale for different therapeutic modalities; be familiar with the administration of “essential medicines” and their common adverse effects; be able to appreciate the socio-psychological, cultural, economic and environmental factors affecting health and develop humane attitude towards the patients in discharging one's professional responsibilities.
  - (d) possess the attitude for continued self-learning and to seek further expertise or to pursue research in any chosen area of medicine, action research and documentation skills.
  - (e) be familiar with the basic factors which are essential for the implementation of the National Health Programmes including practical aspects of the following:
    - (i) Family Welfare and Maternal and Child Health (MCH)
    - (ii) Sanitation and water supply
    - (iii) Prevention and control of communicable and non-communicable diseases
    - (iv) Immunization
    - (v) Health Education
    - (vi) Indian Public Health Standards (IPHS), at various levels of service delivery
    - (vii) Bio-medical waste disposal
    - (viii) Organizational and/or institutional arrangements.
  - (f) acquire basic management skills in the area of human resources,

materials and resource management related to health care delivery, hospital management, inventory skills and counseling.

- (g) be able to identify community health problems and learn to work to resolve these by designing, instituting corrective steps and evaluating outcome of such measures.
  - (h) be able to work as a leading partner in health care teams and acquire proficiency in communication skills.
  - (i) be competent to work in a variety of health care settings.
  - (j) have personal characteristics and attitudes required for professional life such as personal integrity, sense of responsibility and dependability and ability to relate to or show concern for other individuals.
- (2) All efforts must be made to equip the medical graduate to acquire the skills as detailed in Table 11 Certifiable procedural skills – A Comprehensive list of skills recommended as desirable for Bachelor of Medicine and Bachelor of Surgery (MBBS) – Indian Medical Graduate.

### **5.2.3 Goals and Roles for the Learner**

In order to fulfil the goal of the IMG training programme, the medical graduate must be able to function in the following roles appropriately and effectively:-

- 5.2.3.1 Clinician who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.
- 5.2.3.2 Leader and member of the health care team and system with capabilities to collect analyze, synthesize and communicate health data appropriately.
- 5.2.3.3 Communicator with patients, families, colleagues and community.
- 5.2.3.4 Lifelong learner committed to continuous improvement of skills and knowledge.
- 5.2.3.5 Professional, who is committed to excellence, is ethical, responsive and accountable to patients, community and profession.

## **5.3 Competency Based Training Programme of the Indian Medical Graduate**

Competency based learning would include designing and implementing



medical education curriculum that focuses on the desired and observable ability in real life situations. In order to effectively fulfil the roles as listed in clause 2, the Indian Medical Graduate would have obtained the following set of competencies at the time of graduation:

- 5.3.1 Clinician, who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.
- 5.3.2 Demonstrate knowledge of normal human structure, function and development from a molecular, cellular, biologic, clinical, behavioral and social perspective.
- 5.3.3 Demonstrate knowledge of abnormal human structure, function and development from a molecular, cellular, biological, clinical, behavioral and social perspective.
- 5.3.4 Demonstrate knowledge of medico-legal, societal, ethical and humanitarian principles that influence health care.
- 5.3.5 Demonstrate knowledge of national and regional health care policies including the National Health Mission that incorporates National Rural Health Mission (NRHM) and National Urban Health Mission (NUHM), frameworks, economics and systems that influence health promotion, health care delivery, disease prevention, effectiveness, responsiveness, quality and patient safety.
- 5.3.6 Demonstrate ability to elicit and record from the patient, and other relevant sources including relatives and caregivers, a history that is complete and relevant to disease identification, disease prevention and health promotion.
- 5.3.7 Demonstrate ability to elicit and record from the patient, and other relevant sources including relatives and caregivers, a history that is contextual to gender, age, vulnerability, social and economic status, patient preferences, beliefs and values.
- 5.3.8 Demonstrate ability to perform a physical examination that is complete and relevant to disease identification, disease prevention and health promotion.
- 5.3.9 Demonstrate ability to perform a physical examination that is contextual to gender, social and economic status, patient preferences and values.
- 5.3.10 Demonstrate effective clinical problem solving, judgment and ability to interpret and integrate available data in order to address patient

problems, generate differential diagnoses and develop individualized management plans that include preventive, promotive and therapeutic goals.

- 5.3.11 Maintain accurate, clear and appropriate record of the patient in conformation with legal and administrative frame works.
- 5.3.12 Demonstrate ability to choose the appropriate diagnostic tests and interpret these tests based on scientific validity, cost effectiveness and clinical context.
- 5.3.13 Demonstrate ability to prescribe and safely administer appropriate therapies including nutritional interventions, pharmacotherapy and interventions based on the principles of rational drug therapy, scientific validity, evidence and cost that conform to established national and regional health programmes and policies for the following:
  - 5.3.13.1 Disease prevention,
  - 5.3.13.2 Health promotion and cure,
  - 5.3.13.3 Pain and distress alleviation, and
  - 5.3.13.4 Rehabilitation.
- 5.3.14 Demonstrate ability to provide a continuum of care at the primary and/or secondary level that addresses chronicity, mental and physical disability.
- 5.3.15 Demonstrate ability to appropriately identify and refer patients who may require specialized or advanced tertiary care.
- 5.3.16 Demonstrate familiarity with basic, clinical and translational research as it applies to the care of the patient.

### **5.3.2 Leader and Member of the Health Care Team and System**

- 5.3.2.1 Work effectively and appropriately with colleagues in an inter- professional health care team respecting diversity of roles, responsibilities and competencies of other professionals.
- 5.3.2.2 Recognize and function effectively, responsibly and appropriately as a health care team leader in primary and secondary health care settings.
- 5.3.2.3 Educate and motivate other members of the team and work

in a collaborative and collegial fashion that will help maximize the health care delivery potential of the team.

5.3.2.4 Access and utilize components of the health care system and health delivery in a manner that is appropriate, cost effective, fair and in compliance with the national health care priorities and policies, as well as be able to collect, analyze and utilize health data.

5.3.2.5 Participate appropriately and effectively in measures that will advance quality of health care and patient safety within the health care system.

5.3.2.6 Recognize and advocate health promotion, disease prevention and health care quality improvement through prevention and early recognition: in a) life style diseases and b) cancers, in collaboration with other members of the health care team.

### **5.3.3 Communicator with patients, families, colleagues, and community**

5.3.3.1 Demonstrate ability to communicate adequately, sensitively, effectively and respectfully with patients in a language that the patient understands and in a manner that will improve patient satisfaction and health care outcomes.

5.3.3.2 Demonstrate ability to establish professional relationships with patients and families that are positive, understanding, humane, ethical, empathetic, and trustworthy.

5.3.3.3 Demonstrate ability to communicate with patients in a manner respectful of patient's preferences, values, prior experience, beliefs, confidentiality and privacy.

5.3.3.4 Demonstrate ability to communicate with patients, colleagues and families in a manner that encourages participation and shared decision- making.

### **5.3.4 Lifelong learner committed to continuous improvement of skills and knowledge**

5.3.4.1 Demonstrate ability to perform an objective self-assessment of knowledge and skills, continue learning, refine existing skills and acquire new skills.

5.3.4.2 Demonstrate ability to apply newly gained knowledge or

skills to the care of the patient.

5.3.4.3 Demonstrate ability to introspect and utilize experiences, to enhance personal and professional growth and learning.

5.3.4.4 Demonstrate ability to search (including through electronic means), and critically evaluate the medical literature and apply the information in the care of the patient.

5.3.4.5 Be able to identify and select an appropriate career pathway that is professionally rewarding and personally fulfilling.

**5.3.5 Professional who is committed to excellence, is ethical, responsive and accountable to patients, community and the profession**

5.3.5.1 Practice selflessness, integrity, responsibility, accountability and respect.

5.3.5.2 Respect and maintain professional boundaries between patients, colleagues and society.

5.3.5.3 Demonstrate ability to recognize and manage ethical and professional conflicts.

5.3.5.4 Abide by prescribed ethical and legal codes of conduct and practice.

5.3.5.5 Demonstrate a commitment to the growth of the medical profession as a whole.

**5.4 Broad Outline on training format**

5.4.1 In order to ensure that training is in alignment with the goals and competencies listed in sub-clause 2 and 3 above:

5.4.1.1 There shall be a "Foundation Course" to orient medical learners to MBBS programme, and provide them with requisite knowledge, communication (including electronic), technical and language skills.

5.4.1.2 The curricular contents shall be vertically and horizontally aligned and integrated to the maximum extent possible in order to enhance learner's interest and eliminate redundancy and overlap.

5.4.1.3 Teaching-learning methods shall be learner centric and shall predominantly include small group learning, interactive teaching methods and case- based learning.

- 5.4.1.4 Clinical training shall emphasize early clinical exposure, skill acquisition, certification in essential skills; community/ primary/ secondary care- based learning experiences and emergencies.
- 5.4.1.5 Training shall primarily focus on preventive and community- based approaches to health and disease, with specific emphasis on national health priorities such as family welfare, communicable and non- communicable diseases including cancer, epidemics and disaster management.
- 5.4.1.6 Acquisition and certification of skills shall be through experiences in patient care, diagnostic and skill laboratories.
- 5.4.1.7 The development of ethical values and overall professional growth as integral part of curriculum shall be emphasized through a structured longitudinal and dedicated programme on professional development including attitude, ethics and communication.
- 5.4.1.8 Progress of the medical learner shall be documented through structured periodic assessment that includes formative and summative assessments. Logs of skill-based training shall be also maintained.
- 5.4.1.9 Appropriate Faculty Development Programmes shall be conducted regularly by institutions to facilitate medical teachers at all levels to continuously update their professional and teaching skills, and align their teaching skills to curricular objectives.

#### **ADMISSION TO INDIAN MEDICAL GRADUATE PROGRAMME: NATIONAL ELIGIBILITY-CUM - ENTRANCE TEST AND COMMON COUNSELLING**

Eligibility of the candidates for selection to undergraduate medical education course (MBBS) shall be decided as per guidelines of National Medical Commission and shall be published in prospectus from time to time.

### **5.5 ADMISSION, SELECTION, *COUNSELING*, MIGRATION & TRAINING**

#### **PREAMBLE**

5.5.1 The Parliament of India has amended the Indian Medical Council Act, 1956 by

the Indian Medical Council (Amendment Act) 2016. This Amendment Act after receiving the assent of the President has been notified in the Gazette of India on 5<sup>th</sup> August 2016. The Indian Medical Council (Amendment Act), 2016 has inserted section 10 D and section 33 to the Indian Medical Council Act, 1956. The said provision provides for a uniform entrance examination to all medical educational institutions at the undergraduate level and post graduate level by the “designated authority”. By virtue of this Amendment the Parliament has provided legislative sanctity to the National Eligibility-Cum-Entrance Test, hereinafter “NEET” included in the Graduate Medical Education Regulations, 1997 by Amendments notified in the Official Gazette on 27<sup>th</sup> December 2010, 27<sup>th</sup> February 2012 and 23<sup>rd</sup> October 2013.

5.5.2 For admission to MBBS, in terms of the Indian Medical Council (Amendment Act), 2016 the National Eligibility-cum-Entrance Test is the uniform entrance examination to all medical educational institutions at the undergraduate level and shall continue to be the uniform entrance examination to all medical educational institutions at the undergraduate level.

5.5.3 The Atal Medical & Research University, HP will be conducting the counselling on behalf of the Government of Himachal Pradesh (Department of Medical Education & Research) through Centralized Counselling Committee constituted by the Government of Himachal Pradesh under the Chairmanship of the Director Medical Education & Research, Himachal Pradesh for filling-up of State and Management/NRI Quota seats in Government Medical/Dental Colleges including private un-aided Medical/Dental Colleges of the State of Himachal Pradesh on the basis of qualified candidates of NEET-UG conducted by the National Testing Agency. The said qualified candidates are required to apply online only by using the website of the University within stipulated period. The rules & regulations framed/approved by the Government of Himachal Pradesh keeping in view the guidelines of National Medical Commission of India and Dental Council of India for admission to MBBS and BDS shall be published in prospectus. This centralized counseling shall be conducted for 85% State Quota Seats which includes the reserved seats of Children of J& K Migrants, Children of Tibetan Refugees, NRI and Economically Weaker Sections (EWSs) in Government Medical Colleges

and the seats in Private Un-aided Medical/ Dental Colleges, the same shall be filled up as per distribution of seats given in the prospectus.

5.5.4 The desirous candidates including NRI who are qualified in NEET-UG and fulfill the prescribed eligibility criteria and other conditions of the prospectus may apply as per the guidelines displayed only on University website [www.amruhp.ac.in](http://www.amruhp.ac.in) for seeking admission to MBBS and BDS in different Medical and Dental Colleges located in the State of Himachal Pradesh. The application forms of candidates found non-qualified in NEET-UG shall be rejected without any notice.

5.5.5 **Admission to the Medical Course-Eligibility Criteria:** No candidate shall be allowed to be admitted to the Medical Curriculum proper of first Bachelor of Medicine and Bachelor of Surgery course until he/ she has qualified the National Eligibility Entrance Test, and he/she shall not be allowed to appear for the National Eligibility-Cum- Entrance Test until:

- (a) He/she shall complete the age of 17 years on or before 31<sup>st</sup> December of the year of admission to the MBBS.
- (b) He/ She has obtained a minimum of marks in National Eligibility-Cum- Entrance Test as prescribed.
- (c) Provided further that in order to be eligible, the upper age limit for candidates appearing for National Eligibility Entrance Test and seeking admission to MBBS programme shall be 25 years as on the date of examination with a relaxation of 5 years for candidates belonging to **SC/ST/OBC category and persons entitled for reservation under the Rights of Persons with Disabilities Act, 2016.**

5.5.2 In order to be eligible to take National Eligibility-cum-Entrance Test He/She should have passed qualifying examination as under :-

The higher secondary examination or the Indian School Certificate Examination which is equivalent to 10+2 Higher Secondary Examination after a period of 12 years study, the last two years of study comprising of Physics, Chemistry, Biology/Bio-technology and Mathematics or any other elective subjects with English at a level not less than core course of English as prescribed by the National Council of Educational Research and Training after the introduction of the 10+2+3 years educational structure as recommended by the National Committee on education. Candidates who have passed 10+2 from open School as private candidates shall not be eligible for admission. Furthermore, study of Biology/Biotechnology as an Additional subject at 10+2 level also shall not be permissible.

OR

B.Sc. examination of an Indian University, provided that he/she has passed the B.Sc. examination with not less than two of the following subjects Physics, Chemistry, Biology (Botany, Zoology)/Biotechnology and further that he/she has passed the earlier qualifying examination with the following subjects – Physics, Chemistry, Biology and English.

OR

Any other examination which, in scope and standard is found to be equivalent to the intermediate science examination of an Indian University/Board, taking Physics, Chemistry and Biology/Bio- technology including practical test in each of these subjects and English.

The pre-medical course may be conducted either at Medical College, or a science College.

Provided further that the students studied abroad seeking admission in Medical/Dental Colleges in India must have passed in the subjects of Physics, Chemistry, Biology/Bio-technology and English upto the 12 standard level with 50% marks as mentioned above and their equivalency shall be determined as per regulations of the Nation Medical Commission New Delhi/ by the Association of Indian Universities, New Delhi.

***Note: Marks obtained in Mathematics are not to be considered for admission to MBBS/BDS courses.***

**“Procedure for selection to MBBS course shall be as follows:”**

- (1) There shall be a uniform entrance examination to all medical educational institutions at the undergraduate level namely ‘National Eligibility-cum- Entrance Test for admission to MBBS course in each academic year and shall be conducted under overall supervision of the Ministry of Health & Family Welfare, Government of India.
- (2) The “designated authority” to conduct the ‘National Eligibility-Cum- Entrance Test’ shall be the Central Board of Secondary Education or any other body/organization so designated by the Ministry of Health & Family Welfare, Government of India, in consultation with the National Medical Commission (NMC).
- (3) The language and manner of conducting the ‘National Eligibility-Cum- Entrance Test’ shall be determined by the “designated authority” in



consultation with the NMC and the Ministry of Health and Family Welfare, Government of India.

- (4) In order to be eligible for admission to MBBS Course for an academic year, it shall be necessary for a candidate to obtain minimum of marks at 50<sup>th</sup> percentile in 'National Eligibility-cum-Entrance Test to MBBS course' held for the said academic year. However, in respect of candidates belonging to Scheduled Castes, Scheduled Tribes, Other Backward Classes, the minimum marks shall be at 40<sup>th</sup> percentile. In respect of candidates with benchmark disabilities specified under the Rights of Persons with Disabilities Act, 2016, in terms of Clause 4(3) above, the minimum marks shall be at 45<sup>th</sup> percentile. The percentile shall be determined on the basis of highest marks secured in the All-India common merit list for admission in 'National Eligibility-cum-Entrance Test for admission to MBBS course.

Provided when sufficient number of candidates in the respective categories fail to secure minimum marks as prescribed in National Eligibility-cum-Entrance Test held for any academic year for admission to MBBS Course, the Central Government in consultation with NMC may at its discretion lower the minimum marks required for admission to MBBS Course for candidates belonging to respective categories and marks so lowered by the Central Government shall be applicable for the said academic year only.

- (5) The above qualifications will only determine the eligibility of a candidate for admission. The Atal Medical & Research University, HP will be conducting the counselling on behalf of the Government of Himachal Pradesh (Department of Medical Education & Research) through Centralized Counselling Committee constituted by the Government of Himachal Pradesh under the Chairmanship of the Director Medical Education & Research, Himachal Pradesh for filling-up of State and Management/NRI Quota seats in Government Medical/Dental Colleges including private un-aided Medical/Dental Colleges of the State of Himachal Pradesh on the basis of qualified candidates of NEET-UG conducted by the National Testing Agency. The said qualified candidates are required to apply online only by using the website of the University within stipulated period. The rules & regulations framed/approved by the Government of Himachal Pradesh keeping in view the guidelines of National Medical Commission of India and Dental Council of India for admission to MBBS and BDS shall be published in prospectus. This centralized counseling shall be conducted for 85% State Quota Seats which includes the reserved

seats of Children of J& K Migrants, Children of Tibetan Refugees, NRI and Economically Weaker Sections (EWSs) in Government Medical Colleges and the seats in Private Un-aided Medical/ Dental Colleges, the same shall be filled up as per distribution of seats given in the prospectus.

- (6) The desirous candidates including NRI who are qualified in NEET-UG and fulfill the prescribed eligibility criteria and other conditions of the prospectus may apply as per the guidelines displayed only on University website [www.amruhp.ac.in](http://www.amruhp.ac.in) for seeking admission to MBBS and BDS in different Medical and Dental Colleges located in the State of Himachal Pradesh. The application forms of candidates found non-qualified in NEET-UG shall be rejected without any notice. but the admission shall be made through centralized counselling committee on the basis of merit drawn by the Atal Medical & Research University, Ner Chowk, H.P., of those qualified candidates of NEET who have submitted online application form successfully with requisite transaction of fee within stipulated period.
- (7) The eligibility criterion and percentage of reservation of seats in various Medical College of the state for respective categories shall be published in prospectus.

## **MIGRATION**

### **5.6 Migration**

- 5.6(1) Migration of students from one medical college to another medical college may be granted on any genuine ground subject to the availability of vacancy in the college where migration is sought and fulfilling the other requirements laid down in the Regulations and NMC/DCI. Migration would be restricted to 5% of the sanctioned intake of the college during the year. No migration will be permitted on any ground from one medical college to another located within the same city.
- 5.6(2) For the purpose of migration an applicant candidate shall first obtain “No Objection Certificate” from the college where he is studying for the present and the university to which that college is affiliated and also from the college to which the migration is sought and the university to it that college is affiliated. He/She shall submit his application for migration within a period of 1 month of passing (Declaration of result of the 1<sup>st</sup> Professional MBBS examination) alongwith the above cited four “No Objection Certificates” to:
- (a) the Director of Medical Education of the State, if migration is sought from

one college to another within the same State or (b) the National Medical Commission (NMC), if the migration is sought from one college to another located outside the State.

## **PHASE WISE TRAINING AND TIME DISTRIBUTION FOR PROFESSIONAL DEVELOPMENT**

The Competency based Undergraduate Curriculum and Attitude, Ethics and Communication (AETCOM) course, as published by the Medical Council of India and also made available on the Council's website, shall be the curriculum for the batches admitted in MBBS from the academic year 2019-20 onwards.

Provided that in respect of batches admitted prior to the academic year 2019-20, the governing provisions shall remain as per the old regulations.

### **5.7 Training period and time distribution:**

5.7.1 Every learner shall undergo a period of certified study extending over 4 ½ academic years, from the date of commencement of course to the date of completion of examination which shall be followed by one year of compulsory rotating internship.

5.7.2 Each academic year will have at least 240 teaching days with a minimum of eight hours of working on each day including one hour as lunch break.

5.7.3 Teaching and learning shall be aligned and integrated across specialties both vertically and horizontally for better learner comprehension. Learner centered learning methods should include problem- oriented learning, case studies, community- oriented learning, self- directed and experiential learning.

### **5.7.4 The period of 4 ½ years is divided as follows:**

5.7.4.1 Pre-Clinical Phase [(Phase I) - First Professional phase of 13 months preceded by Foundation Course of one month]: will consist of preclinical subjects – Human Anatomy, Physiology, Biochemistry, Introduction to Community Medicine, Humanities, Professional development including Attitude, Ethics & Communication (AETCOM) module and early clinical exposure, ensuring both horizontal and vertical integration.

5.7.4.2 Para-clinical phase [(Phase II) - Second Professional (12 months)]: will consist of

Para-clinical subjects namely Pathology, Pharmacology, Microbiology, Community Medicine, Forensic Medicine and Toxicology, Professional development including Attitude, Ethics & Communication (AETCOM) module and introduction to clinical subjects ensuring both horizontal and vertical integration.

The clinical exposure to learners will be in the form of learner-doctor method of clinical training in all phases. The emphasis will be on primary, preventive and comprehensive health care. A part of training during clinical postings should take place at the primary level of health care. It is desirable to provide learning experiences in secondary health care, wherever possible. This will involve:

- a) Experience in recognizing and managing common problems seen in outpatient, inpatient and emergency settings,
- b) Involvement in patient care as a team member,
- c) Involvement in patient management and performance of basic procedures.

#### **5.7.4.3 Clinical Phase – [(Phase III) Third Professional (28 months)]**

- a. **Part I (13 months)** - The clinical subjects include General Medicine, General Surgery, Obstetrics & Gynaecology, Pediatrics, Orthopaedics, Dermatology, Otorhinolaryngology, Ophthalmology, Community Medicine, Forensic Medicine and Toxicology, Psychiatry, Respiratory Medicine, Radiodiagnosis & Radiotherapy and Anaesthesiology & Professional development including AETCOM module.
- b. **Electives (2 months)** - To provide learners with opportunity for diverse learning experiences, to do research/community projects that will stimulate enquiry, self directed experimental learning and lateral thinking [9.3].
- c. **Part II (13 months)** - Clinical subjects include:
  - (i) Medicine and allied specialties (General Medicine, Psychiatry, Dermatology Venereology and Leprosy (DVL), Respiratory Medicine including Tuberculosis)
  - (ii) Surgery and allied specialties (General Surgery, Orthopedics [including trauma]), Dentistry, Physical Medicine and rehabilitation, Anaesthesiology and Radiodiagnosis)
  - (iii) Obstetrics and Gynecology (including Family Welfare)

(iv) Pediatrics

(v) AETCOM module

- 5.7.5 Didactic lectures shall not exceed one third of the schedule; two third of the schedule shall include interactive sessions, practicals, clinical or/and group discussions. The learning process should include clinical experiences, problem-oriented approach, case studies and community health care activities.  
The admission shall be made strictly in accordance with the statutory notified time schedule towards the same.
- 5.7.6 Universities shall organize admission timing and admission process in such a way that teaching in the first Professional year commences with induction through the Foundation Course by the 1st of August of each year.
- (i) Supplementary examinations shall not be conducted later than 90 days from the date of declaration of the results of the main examination, so that the learners who pass can join the main batch for progression and the remainder would appear for the examination in the subsequent year.
  - (ii) A learner shall not be entitled to graduate later than ten (10) years of her/his joining the first MBBS course.
- 5.7.7 No more than four attempts shall be allowed for a candidate to pass the first Professional examination. The total period for successful completion of first Professional course shall not exceed four (4) years. Partial attendance of examination in any subject shall be counted as an attempt.
- 5.7.8 A learner, who fails in the second Professional examination, shall not be allowed to appear in third Professional Part I examination unless she/he passes all subjects of second Professional examination.
- 5.7.9 Passing in third Professional (Part I) examination is not compulsory before starting part II training; however, passing of third Professional (Part I) is compulsory for being eligible for third Professional (Part II) examination.
- 5.7.10 During para-clinical and clinical phases, including prescribed 2 months of electives, clinical postings of three hours duration daily as specified in Tables 5, 6, 7 and 8 would apply for various departments.

## **5.8 Phase distribution and timing of examination**

- 5.8.1 Time distribution of the MBBS programme is given in Table 1.

- 5.8.2 Distribution of subjects by Professional Phase-wise is given in Table 2.
- 5.8.3 Minimum teaching hours prescribed in various disciplines are as under Tables 3-7.
- 5.8.4 Distribution of clinical postings is given in Table 8.
- 5.8.5 Duration of clinical postings will be:
- 5.8.5.1 Second Professional: 36 weeks of clinical posting (Three hours per day – five days per week: Total 540 hours)
- 5.8.5.2 Third Professional part I: 42 weeks of clinical posting (Three hours per day - six days per week: Total 756 hours)
- 5.8.5.3 Third Professional part II: 44 weeks of clinical posting (Three hours per day - six days per week: Total 792 hours)
- 5.8.6 Time allotted excludes time reserved for internal / University examinations, and vacation.
- 5.8.7 Second professional clinical postings shall commence before / after declaration of results of the first professional phase examinations, as decided by the institution/ University. Third Professional parts I and part II clinical postings shall start no later than two weeks after the completion of the previous professional examination.
- 5.8.8 25% of allotted time of third Professional shall be utilized for integrated learning with pre- and para- clinical subjects. This will be included in the assessment of clinical subjects.

**Table 1: Time distribution of MBBS Programme & Examination Schedule**

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
							Foundation Course	I MBBS			
I MBBS								Exam I MBBS	II MBBS		
II MBBS								Exam II MBBS	III MBBS		
III MBBS Part I									Exam III MBBS Part I	Electives & Skills	
III MBBS Part II											
Exam III MBBS Part II	Internship										
Internship											

- One month is provided at the end of every professional year for completion of examination and declaration of results.

**Table 2: Distribution of subjects by Professional Phase**

Phase & year of MBBS training	Subjects & New Teaching Elements	Duration#	University examination
First Professional MBBS	<ul style="list-style-type: none"> <li>• Foundation Course (1 month)</li> <li>• Human Anatomy, Physiology &amp; Biochemistry, introduction to Community Medicine, Humanities</li> <li>• Early Clinical Exposure</li> </ul>	1 + 13 months	I Professional
	<ul style="list-style-type: none"> <li>• Attitude, Ethics, and Communication Module(AETCOM)</li> </ul>		
Second Professional MBBS	<ul style="list-style-type: none"> <li>• Pathology, Microbiology, Pharmacology, Forensic Medicine and Toxicology,</li> <li>• Introduction to clinical subjects including Community Medicine</li> <li>• Clinical postings</li> <li>• Attitude, Ethics &amp; Communication Module (AETCOM)</li> </ul>	12 months	II Professional
Third Professional MBBS Part I	<ul style="list-style-type: none"> <li>• General Medicine, General Surgery, Obstetrics &amp; Gynecology, Pediatrics, Orthopedics, Dermatology, Psychiatry, Otorhinolaryngology, Ophthalmology, Community Medicine, Forensic Medicine and Toxicology, Respiratory medicine, Radiodiagnosis &amp; Radiotherapy, Anesthesiology</li> <li>• Clinical subjects /postings</li> <li>• Attitude, Ethics &amp; Communication Module (AETCOM)</li> </ul>	13 months	III Professional (Part I)
Electives	<ul style="list-style-type: none"> <li>• Electives, Skills and assessment*</li> </ul>	2 months	
Third Professional MBBS Part II	<ul style="list-style-type: none"> <li>• General Medicine, Pediatrics, General Surgery, Orthopedics, Obstetrics and Gynecology including Family welfare and allied specialties</li> <li>• Clinical postings/subjects</li> <li>• Attitude, Ethics &amp; Communication Module (AETCOM)</li> </ul>	13 months	III Professional (Part II)

\*Assessment of electives shall be included in Internal Assessment.



**Table 3: Foundation Course (one month)**

<b>Subjects/ Contents</b>	<b>Teaching hours</b>	<b>Self-Directed Learning (hours)</b>	<b>Total hours</b>
Orientation <sup>1</sup>	30	0	30
Skills Module <sup>2</sup>	35	0	35
Field visit to Community Health Center	8	0	8
Introduction to Professional Development & AETCOM module	-	-	40
Sports and extracurricular activities	22	0	22
Enhancement of language/ computer skills <sup>3</sup>	40	0	40
	-	-	175

1. Orientation course will be completed as single block in the first week and will contain elements outlined in 9.1.
2. Skills modules will contain elements outlined in 9.1.
3. Based on perceived need of learners, one may choose language enhancement (English or local spoken or both) and computer skills. This should be provided longitudinally through the duration of the Foundation Course.

Teaching of Foundation Course will be organized by pre-clinical departments.

**Table 4: First Professional teaching hours**

<b>Subjects</b>	<b>Lectures (hours)</b>	<b>Small Group Teaching/ Tutorials/ Integrated learning/ Practical (hours)</b>	<b>Self directed learning (hours)</b>	<b>Total (hours)</b>
Human Anatomy	220	415	40	675
Physiology*	160	310	25	495
Biochemistry	80	150	20	250
Early Clinical Exposure**	90	-	0	90
Community Medicine	20	27	5	52
Attitude, Ethics & Communication Module(AETCOM) ***	-	26	8	34
Sports and extracurricular activities	-	-	-	60
Formative assessment and Term examinations	-	-	-	80
Total	-	-	-	1736

\* including Molecular Biology.

\*\* Early clinical exposure hours to be divided equally in all three subjects.

\*\*\* AETCOM module shall be a longitudinal programme.

**Table 5: Second Professional teaching hours**

<b>Subjects</b>	<b>Lectures (hours)</b>	<b>Small group learning (Tutorials / Seminars) /Integrated learning (hours)</b>	<b>Clinical Postings (hours) *</b>	<b>Self - Directed Learning (hours)</b>	<b>Total (hours)</b>
Pathology	80	138	-	12	230
Pharmacology	80	138	-	12	230
Microbiology	70	110	-	10	190
Community Medicine	20	30	-	10	60
Forensic Medicine and Toxicology	15	30	-	5	50
Clinical Subjects	75**	-	540** *		615
Attitude, Ethics & Communication Module (AETCOM)		29	-	8	37
Sports and extracurricular activities	-	-	-	28	28
Total	-	-	-	-	1440

\* At least 3 hours of clinical instruction each week must be allotted to training in clinical and procedural skill laboratories. Hours may be distributed weekly or as a block in each posting based on institutional logistics.

\*\* 25 hours each for Medicine, Surgery and Gynecology & Obstetrics.

\*\*\*The clinical postings in the second professional shall be 15 hours per week (3 hrs per day from Monday to Friday)

**Table 6: Third Professional Part I teaching hours**

<b>Subjects</b>	<b>Teaching Hours</b>	<b>Tutorials/ Seminars /Integrated Teaching (hours)</b>	<b>Self-Directed Learning (hours)</b>	<b>Total (hours)</b>
General Medicine	25	35	5	65
General Surgery	25	35	5	65
Obstetrics and Gynecology	25	35	5	65
Pediatrics	20	30	5	55
Orthopaedics	15	20	5	40
Forensic Medicine and Toxicology	25	45	5	75
Community Medicine	40	60	5	105
Dermatology	20	5	5	30
Psychiatry	25	10	5	40
Respiratory Medicine	10	8	2	20
Otorhinolaryngology	25	40	5	70
Ophthalmology	30	60	10	100
Radiodiagnosis and Radiotherapy	10	8	2	20
Anesthesiology	8	10	2	20
Clinical Postings*	-	-	-	756
Attitude, Ethics & Communication Module(AETCOM)		19	06	25
<b>Total</b>	<b>303</b>	<b>401</b>	<b>66</b>	<b>1551</b>

\* The clinical postings in the third professional part I shall be 18 hours per week (3 hrs per day from Monday to Saturday).

**Table 7: Third Professional Part II teaching hours**

<b>Subjects</b>	<b>Teaching Hours</b>	<b>Tutorials/ Seminars Integrated Teaching (hours)</b>	<b>Self - Directed Learning (hours)</b>	<b>Total* (hours)</b>
General Medicine	70	125	15	210
General Surgery	70	125	15	210
Obstetrics and Gynecology	70	125	15	210
Pediatrics	20	35	10	65
Orthopaedics	20	25	5	50
Clinical Postings**				792
Attitude, Ethics & Communication Module(AETCOM)***	28		16	43
Electives				200
Total	250	435	60	1780

\* 25% of allotted time of third professional shall be utilized for integrated learning with pre- and para- clinical subjects and shall be assessed during the clinical subjects examination. This allotted time will be utilized as integrated teaching by para-clinical subjects with clinical subjects (as Clinical Pathology, Clinical Pharmacology and Clinical Microbiology).

\*\* The clinical postings in the third professional part II shall be 18 hours per week (3 hrs per day from Monday to Saturday).

\*\*\* Hours from clinical postings can also be used for AETCOM modules.

**Table 8: Clinical postings**

Subjects	Period of training in weeks			Total Weeks
	II MBBS	III MBBS Part-I	III MBBS Part-II	
Electives			8* (4 regular clinical posting)	4
General Medicine <sup>1</sup>	4	4	8+4	20
General Surgery	4	4	8+4	20
Obstetrics & Gynaecology <sup>2</sup>	4	4	8+4	20
Pediatrics	2	4	4	10
Community Medicine	4	6	-	10
Orthopedics - including Trauma <sup>3</sup>	2	4	2	8
Otorhinolaryngology	4	4	-	8
Ophthalmology	4	4	-	8
Respiratory Medicine	2	-	-	2
Psychiatry	2	2	-	4
Radiodiagnosis <sup>4</sup>	2	-	-	2
Dermatology, Venereology & Leprosy	2	2	2	6
Dentistry & Anesthesia	-	2	-	2
Casualty	-	2	-	2
	36	42	48	126

\* In four of the eight weeks of electives, regular clinical postings shall be accommodated. Clinical postings may be adjusted within the time framework.

- 1 This posting includes Laboratory Medicine (Para-clinical) & Infectious Diseases (Phase III Part I).
- 2 This includes maternity training and family welfare (including Family Planning).
- 3 This posting includes Physical Medicine and Rehabilitation.
- 4 This posting includes Radiotherapy, wherever available.

## **5.9 New teaching / learning elements**

### **5.9.1 Foundation Course**

(a) **Goal:** The goal of the Foundation Course is to prepare a learner to study medicine effectively. It will be of one month duration after admission.

(b) **Objectives:** The objectives are to:

**(a) Orient the learner to:**

- (i) The medical profession and the physician's role in society
- (ii) The MBBS programme
- (iii) Alternate health systems in the country and history of medicine
- (iv) Medical ethics, attitudes and professionalism
- (v) Health care system and its delivery
- (vi) National health programmes and policies
- (vii) Universal precautions and vaccinations
- (viii) Patient safety and biohazard safety
- (ix) Principles of primary care (general and community based care)
- (x) The academic ambience

**(a) Enable the learner to acquire enhanced skills in:**

- (i) Language
- (ii) Interpersonal relationships
- (iii) Communication
- (iv) Learning including self-directed learning
- (v) Time management
- (vi) Stress management
- (vii) Use of information technology

**(b) Train the learner to provide:**

- (i) First-aid

- (ii) Basic life support
- (c) In addition to the above, learners may be enrolled in one of the following programmes which will be run concurrently
  - a) Local language programme
  - b) English language programme
  - c) Computer skills
  - d) These may be done in the last two hours of the day for the duration of the Foundation Course.
- (d) These sessions must be as interactive as possible.
- (e) Sports (to be used through the Foundation Course as protected 04 hours / week).
- (f) Leisure and extracurricular activity (to be used through the Foundation Course as protected 02 hours per week)
- (g) Institutions shall develop learning modules and identify the appropriate resource persons for their delivery.
- (h) The time committed for the Foundation Course may not be used for any other curricular activity.
- (i) The Foundation Course will have compulsory 75% attendance. This will be certified by the Dean of the college.
- (j) The Foundation Course will be organized by the Coordinator appointed by the Dean of the college and will be under supervision of the heads of the preclinical departments.
- (k) Every college must arrange for a meeting with parents and their wards.

### **5.9.2 Early Clinical Exposure**

- (a) **Objectives:** The objectives of early clinical exposure of the first-year medical learners are to enable the learner to:
  - a) Recognize the relevance of basic sciences in diagnosis, patient care and treatment,
  - b) Provide a context that will enhance basic science learning,
  - c) Relate to experience of patients as a motivation to learn,
  - d) Recognize attitude, ethics and professionalism as integral to the doctor-patient relationship,
  - e) Understand the socio-cultural context of disease through the study of humanities.

#### **5.9.2.2 Elements**

- a) Basic science correlation: i.e. apply and correlate principles of basic sciences as they relate to the care of the patient (this will be part of



integrated modules).

- b) Clinical skills: to include basic skills in interviewing patients, doctor-patient communication, ethics and professionalism, critical thinking and analysis and self- learning (this training will be imparted in the time allotted for early clinical exposure).
- c) Humanities: To introduce learners to a broader understanding of the socio- economic framework and cultural context within which health is delivered through the study of humanities and social sciences.

### 5.9.3 Electives

- (a) **Objectives:** To provide the learner with opportunities:
  - a) For diverse learning experiences,
  - b) To do research/community projects that will stimulate enquiry, self-directed, experiential learning and lateral thinking.
- (b) Two months are designated for elective rotations after completion of the examination at end of the third MBBS Part I and before commencement of third MBBS Part II.
- (c) It is mandatory for learners to do an elective. The elective time should not be used to make up for missed clinical postings, shortage of attendance or other purposes.
- (d) **Structure**
  - a) The learner shall rotate through two elective blocks of 04 weeks each.
  - b) Block 1 shall be done in a pre-selected preclinical or para-clinical or other basic sciences laboratory OR under a researcher in an ongoing research project.  
During the electives regular clinical postings shall continue.
  - c) Block 2 shall be done in a clinical department (including specialties, super- specialties, ICUs, blood bank and casualty) from a list of electives developed and available in the institution.  
OR  
as a supervised learning experience at a rural or urban community clinic.
- d) Institutions will pre-determine the number and nature of electives, names of the supervisors, and the number of learners in each elective based on the local conditions, available resources and faculty.
- (e) Each institution will develop its own mechanism for allocation of electives.
- (f) It is preferable that elective choices are made available to the learners in the beginning of the academic year.
- (g) The learner must submit a learning log book based on both blocks of the elective.

- (h) 75% attendance in the electives and submission of log- book maintained during elective is required for eligibility to appear in the final MBBS examination.
- (i) Institutions may use part of this time for strengthening basic skill certification.

#### **5.9.4 Professional Development including Attitude, Ethics and Communication Module (AETCOM)**

5.9.4.1 Objectives of the programme: At the end of the programme, the learner must demonstrate ability to:

- a) understand and apply principles of bioethics and law as they apply to medical practice and research, understand and apply the principles of clinical reasoning as they apply to the care of the patients
- b) understand and apply the principles of system based care as they relate to the care of the patient,
- c) understand and apply empathy and other human values to the care of the patient,
- d) communicate effectively with patients, families, colleagues and other health care professionals,
- e) understand the strengths and limitations of alternative systems of medicine,
- f) respond to events and issues in a professional, considerate and humane fashion,
- g) translate learning from the humanities in order to further his / her professional and personal growth.

#### **5.9.4.2 Learning experiences:**

- a) This will be a longitudinal programme spread across the continuum of the MBBS programme including internship,
- b) Learning experiences may include – small group discussions, patient care scenarios, workshop, seminars, role plays, lectures etc.
- c) Attitude, Ethics & Communication Module (AETCOM module) developed by Medical Council of India should be used longitudinally for purposes of instruction.
- (a) 75% attendance in Professional Development Programme (AETCOM Module) is required for eligibility to appear for final examination in each professional year.

- (b) Internal Assessment will include:
  - a) Written tests comprising of short notes and creative writing experiences,
  - b) OSCE based clinical scenarios / viva voce.
- (c) At least one question in each paper of the clinical specialties in the University examination should test knowledge competencies acquired during the professional development programme.
- (d) Skill competencies acquired during the Professional Development Programme must be tested during the clinical, practical and viva voce.

#### 5.9.5 Learner-doctor method of clinical training (Clinical Clerkship)

##### 5.9.5.1 **Goal:** To provide learners with experience in:

- a) Longitudinal patient care,
- b) Being part of the health care team,
- c) Hands-on care of patients in outpatient and inpatient setting.

##### 5.9.5.2 **Structure:**

- (a) The first clinical posting in second professional shall orient learners to the patient, their roles and the specialty.
- (b) The learner-doctor programme will progress as outlined in Table 9.
- (c) The learner will function as a part of the health care team with the following responsibilities:
  - (i) Be part of the unit's outpatient services on admission days,
  - (ii) Remain with the admission unit until 6 PM except during designated class hours,
  - (iii) Be assigned patients admitted during each admission day for whom he/she will undertake responsibility, under the supervision of a senior resident or faculty member,
  - (iv) Participate in the unit rounds on its admission day and will present the assigned patients to the supervising physician,
  - (v) Follow the patient's progress throughout the hospital stay until discharge,
  - (vi) Participate, under supervision, in procedures, surgeries, deliveries etc. of assigned patients (according to responsibilities outlined in table 9).
  - (vii) Participate in unit rounds on at least one other day of the week excluding the admission day,
  - (viii) Discuss ethical and other humanitarian issues during unit rounds,
  - (ix) Attend all scheduled classes and educational activities,

- (x) Document his/her observations in a prescribed log book / case record.
- (d) No learner will be given independent charge of the patient
- (e) The supervising physician will be responsible for all patient care decisions

### 5.9.5.3 Assessment:

- (a) A designated faculty member in each unit will coordinate and facilitate the activities of the learner, monitor progress, provide feedback and review the log book/ case record.
- (b) The log book/ case record must include the written case record prepared by the learner including relevant investigations, treatment and its rationale, hospital course, family and patient discussions, discharge summary etc.
- (c) The log book should also include records of outpatients assigned. Submission of the log- book/ case record to the department is required for eligibility to appear for the final examination of the subject.

**Table 9: Learner - Doctor programme (Clinical Clerkship)**

Year of Curriculum	Focus of Learner - Doctor programme
Year 1	Introduction to hospital environment, early clinical exposure, understanding perspectives of illness
Year 2	History taking, physical examination, assessment of change in clinical status, communication and patient education
Year 3	All of the above and choice of investigations, basic procedures and continuity of care
Year 4	All of the above and decision making, management and outcomes

## COMPETENCY BASED CURRICULUM OF THE INDIAN MEDICAL GRADUATE PROGRAMME

### 5.10 Specific Competencies

**5.10.1 Preamble:** The salient feature of the revision of the medical curriculum in 2019 is the emphasis on learning which is competency-based, integrated and learner-centered acquisition of skills and ethical & humanistic values.

Each of the competencies described below must be read in conjunction with the goals of the medical education as listed in items 2 to 3.5.5

It is recommended that didactic teaching be restricted to less than one third of the total time allotted for that discipline. Greater emphasis is to be laid

on hands-on training, symposia, seminars, small group discussions, problem-oriented and problem-based discussions and self-directed learning. Learners must be encouraged to take active part in and shared responsibility for their learning.

The global competencies to be achieved by the learner are outlined above in Chapter 1-section 3. Since the MBBS programme assessment will continue to be subject based, subject specific competencies have been outlined. These have to be acquired by the learner in the corresponding professional year. These competencies must be interpreted in the larger context outlined in section 3 and may be considered as “sub competencies” of the global competencies.

**5.10.2** Integration must be horizontal (i.e. across disciplines in a given phase of the course) and vertical (across different phases of the course). As far as possible, it is desirable that teaching/learning occurs in each phase through study of organ systems or disease blocks in order to align the learning process. Clinical cases must be used to integrate and link learning across disciplines.

### **5.10.3 Pre-clinical Subjects**

#### **5.10.3.1 Human Anatomy**

**(a) Competencies:** The undergraduate must demonstrate:

1. Understanding of the gross and microscopic structure and development of human body,
2. Comprehension of the normal regulation and integration of the functions of the organs and systems on basis of the structure and genetic pattern,
3. Understanding of the clinical correlation of the organs and structures involved and interpret the anatomical basis of the disease presentations.

**(b) Integration:** The teaching should be aligned and integrated horizontally and vertically in organ systems with clinical correlation that will provide a context for the learner to understand the relationship between structure and function and interpret the anatomical basis of various clinical conditions and procedures.

#### **5.10.3.2 Physiology**

**(a) Competencies:** The undergraduates must demonstrate:

1. Understanding of the normal functioning of the organs and organ systems of the body,
2. Comprehension of the normal structure and organization of the organs and systems on basis of the functions,

3. Understanding of age-related physiological changes in the organ functions that reflect normal growth and development,
  4. Understand the physiological basis of diseases.
- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in organ systems in order to provide a context in which normal function can be correlated both with structure and with the biological basis, its clinical features, diagnosis and therapy.

#### **5.10.3.3 Biochemistry**

**The course will comprise Molecular and Cellular Biochemistry.**

(a) **Competencies:** The learner must demonstrate an understanding of:

1. Biochemical and molecular processes involved in health and disease,
2. Importance of nutrition in health and disease,
3. Biochemical basis and rationale of clinical laboratory tests, and demonstrate ability to interpret these in the clinical context.

(b) **Integration:** The teaching/learning programme should be integrated horizontally and vertically, as much as possible, to enable learners to make clinical correlations and to acquire an understanding of the cellular and molecular basis of health and disease.

#### **5.10.3.4 Introduction to Community Medicine**

**5.10.3.4.1 Competencies:** The undergraduate must demonstrate:

1. Understanding of the concept of health and disease,
2. Understanding of demography, population dynamics and disease burden in National and global context,
3. Comprehension of principles of health economics and hospital management,
4. Understanding of interventions to promote health and prevent diseases as envisioned in National and State Health Programmes.

#### **5.10.4 Second Professional (Para-Clinical)**

##### **5.10.4.1 Pathology**

(a) **Competencies:** The undergraduate must demonstrate:

1. Comprehension of the causes, evolution and mechanisms of

diseases,

2. Knowledge of alterations in gross and cellular morphology of organs in disease states,
  3. Ability to correlate the natural history, structural and functional changes with the clinical manifestations of diseases, their diagnosis and therapy,
- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in organ systems recognizing deviations from normal structure and function and clinically correlated so as to provide an overall understanding of the etiology, mechanisms, laboratory diagnosis, and management of diseases.

#### 5.10.4.2 Microbiology

(a) **Competencies:** The undergraduate learner demonstrate:

1. Understanding of role of microbial agents in health and disease,
  2. Understanding of the immunological mechanisms in health and disease,
  3. Ability to correlate the natural history, mechanisms and clinical manifestations of infectious diseases as they relate to the properties of microbial agents,
  4. Knowledge of the principles and application of infection control measures,
  5. An understanding of the basis of choice of laboratory diagnostic tests and their interpretation, antimicrobial therapy, control and prevention of infectious diseases.
- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in organ systems with emphasis on host- microbe-environment interactions and their alterations in disease and clinical correlations so as to provide an overall understanding of the etiological agents, their laboratory diagnosis and prevention.

#### 5.10.4.3 Pharmacology

(a) **Competencies:** The undergraduate must demonstrate:

1. Knowledge about essential and commonly used drugs and an

understanding of the pharmacologic basis of therapeutics,

2. Ability to select and prescribe medicines based on clinical condition and the pharmacologic properties, efficacy, safety, suitability and cost of medicines for common clinical conditions of national importance,
3. Knowledge of pharma covigilance, essential medicine concept and sources of drug information and industry-doctor relationship,

(b) Ability to counsel patients regarding appropriate use of prescribed drug and drug delivery systems.

(c) **Integration:** The teaching should be aligned and integrated horizontally and vertically in organ systems recognizing the interaction between drug, host and disease in order to provide an overall understanding of the context of therapy.

#### **5.10.4.4 Forensic Medicine and Toxicology**

(a) **Competencies:** The learner must demonstrate:

1. Understanding of medico-legal responsibilities of physicians in primary and secondary care settings,
2. Understanding of the rational approach to the investigation of crime, based on scientific and legal principles,
3. Ability to manage medical and legal issues in cases of poisoning / overdose,
4. Understanding the medico-legal framework of medical practice and medical negligence,
5. Understanding of codes of conduct and medical ethics.

(b) **Integration:** The teaching should be aligned and integrated horizontally and vertically recognizing the importance of medico- legal, ethical and toxicological issues as they relate to the practice of medicine.

#### **5.10.4.5 Community Medicine – as per 510.3.4**

#### **5.10.5 Third Professional (Part I)**

##### **5.10.5.1 General Medicine**

(a) **Competencies:** The student must demonstrate ability to do the



following in relation to common medical problems of the adult in the community:

1. Demonstrate understanding of the patho-physiologic basis, epidemiological profile, signs and symptoms of disease and their investigation and management,
  2. Competently interview and examine an adult patient and make a clinical diagnosis,
  3. Appropriately order and interpret laboratory tests,
  4. Initiate appropriate cost-effective treatment based on an understanding of the rational drug prescriptions, medical interventions required and preventive measures,
  5. Follow up of patients with medical problems and refer whenever required,
  6. Communicate effectively, educate and counsel the patient and family,
  7. Manage common medical emergencies and refer when required,
  8. Independently perform common medical procedures safely and understand patient safety issues.
- (b) Integration:** The teaching should be aligned and integrated horizontally and vertically in order to provide sound biologic basis and incorporating the principles of general medicine into a holistic and comprehensive approach to the care of the patient.

#### **5.10.5.2 General Surgery**

**(a) Competencies:** The student must demonstrate:

1. Understanding of the structural and functional basis, principles of diagnosis and management of common surgical problems in adults and children,
2. Ability to choose, calculate and administer appropriately intravenous fluids, electrolytes, blood and blood products based on the clinical condition,
3. Ability to apply the principles of asepsis, sterilization, disinfection, rational use of prophylaxis, therapeutic utilities

of antibiotics and universal precautions in surgical practice,

4. Knowledge of common malignancies in India and their prevention, early detection and therapy,
5. Ability to perform common diagnostic and surgical procedures at the primary care level,
6. Ability to recognize, resuscitate, stabilize and provide Basic & Advanced Life Support to patients following trauma,
7. Ability to administer informed consent and counsel patient prior to surgical procedures,
8. Commitment to advancement of quality and patient safety in surgical practice.

(b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to provide a sound biologic basis and a holistic approach to the care of the surgical patient.

#### **5.10.5.3 Obstetrics and Gynaecology**

(a) **Competencies in Obstetrics:** The student must demonstrate ability to:

1. Provide peri-conceptional counseling and antenatal care,
2. Identify high-risk pregnancies and refer appropriately,
3. Conduct normal deliveries, using safe delivery practices in the primary and secondary care settings,
4. Prescribe drugs safely and appropriately in pregnancy and lactation,
5. Diagnose complications of labor, institute primary care and refer in a timely manner,
6. Perform early neonatal resuscitation,
7. Provide postnatal care, including education in breast-feeding,
8. Counsel and support couples in the correct choice of contraception,
9. Interpret test results of laboratory and radiological investigations as they apply to the care of the obstetric patient,

10. Apply medico-legal principles as they apply to tubectomy, Medical Termination of Pregnancy (MTP), Pre-conception and Prenatal Diagnostic Techniques (PC PNDT Act) and other related Acts.

**Competencies in Gynecology:** The student must demonstrate ability to:

1. Elicit a gynecologic history, perform appropriate physical and pelvic examinations and PAP smear in the primary care setting,
  2. Recognize, diagnose and manage common reproductive tract infections in the primary care setting,
  3. Recognize and diagnose common genital cancers and refer them appropriately.
- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to provide comprehensive care for women in their reproductive years and beyond, based on a sound knowledge of structure, functions and disease and their clinical, social, emotional, psychological correlates in the context of national health priorities.

#### 5.10.5.4 Pediatrics

(a) **Competencies:** The student must demonstrate:

1. Ability to assess and promote optimal growth, development and nutrition of children and adolescents and identify deviations from normal,
2. Ability to recognize and provide emergency and routine ambulatory and First Level Referral Unit care for neonates, infants, children and adolescents and refer as may be appropriate,
3. Ability to perform procedures as indicated for children of all ages in the primary care setting,
4. Ability to recognize children with special needs and refer appropriately,
5. Ability to promote health and prevent diseases in children,
6. Ability to participate in National Programmes related to child

health and in conformation with the Integrated Management of Neonatal and Childhood Illnesses (IMNCI) Strategy,

7. Ability to communicate appropriately and effectively.
- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to provide comprehensive care for neonates, infants, children and adolescents based on a sound knowledge of growth, development, disease and their clinical, social, emotional, psychological correlates in the context of national health priorities.

#### **5.10.5.5 Orthopaedics (including Trauma)**

- (a) **Competencies:** The student must demonstrate:
  1. Ability to recognize and assess bone injuries, dislocation and poly- trauma and provide first contact care prior to appropriate referral,
  2. Knowledge of the medico-legal aspects of trauma,
  3. Ability to recognize and manage common infections of bone and joints in the primary care setting,
  4. Recognize common congenital, metabolic, neoplastic, degenerative and inflammatory bone diseases and refer appropriately,
  5. Ability to perform simple ortho paedic techniques as applicable to a primary care setting,
  6. Ability to recommend rehabilitative services for common orthopedic problems across all ages.
- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to allow the student to understand the structural basis of orthopedic problems, their management and correlation with function, rehabilitation and quality of life.

#### **5.10.5.6 Forensic Medicine and Toxicology – as per 5.10.4.4**

#### **5.10.5.7 Community medicine**

**(a) Competencies:** The learner must demonstrate:

1. Understanding of physical, social, psychological, economic and environmental determinants of health and disease,
2. Ability to recognize and manage common health problems including physical, emotional and social aspects at individual family and community level in the context of National Health Programmes,
3. Ability to Implement and monitor National Health Programmes in the primary care setting, Knowledge of maternal and child wellness as they apply to national health care priorities and programmes,
4. Ability to recognize, investigate, report, plan and manage community health problems including malnutrition and emergencies.

**(b) Integration:** The teaching should be aligned and integrated **horizontally** and vertically in order to allow the learner to understand the impact of environment, society and national health priorities as they relate to the promotion of health and prevention and cure of disease.

#### **5.10.5.8 Dermatology, Venereology & Leprosy**

**(a) Competencies:** The undergraduate student must demonstrate:

1. Understanding of the principles of diagnosis of diseases of the skin, hair, nail and mucosa,
2. Ability to recognize, diagnose, order appropriate investigations and treat common diseases of the skin including leprosy in the primary care setting and refer as appropriate,
3. A syndromic approach to the recognition, diagnosis, prevention, counseling, testing and management of common sexually transmitted diseases including HIV based on national health priorities,
4. Ability to recognize and treat emergencies including drug reactions and refer as appropriate.

**(b) Integration:** The teaching should be aligned and integrated

horizontally and vertically in order to emphasize the biologic basis of diseases of the skin, sexually transmitted diseases and leprosy and to provide an understanding that skin diseases may be a manifestation of systemic disease.

#### **5.10.5.9 Psychiatry**

(a) **Competencies:** The student must demonstrate:

1. Ability to promote mental health and mental hygiene,
2. Knowledge of etiology (bio-psycho-social-environmental interactions), clinical features, diagnosis and management of common psychiatric disorders across all ages,
3. Ability to recognize and manage common psychological and psychiatric disorders in a primary care setting, institute preliminary treatment in disorders difficult to manage, and refer appropriately,
4. Ability to recognize alcohol/ substance abuse disorders and refer them to appropriate centers,
5. Ability to assess risk for suicide and refer appropriately,
6. Ability to recognize temperamental difficulties and personality disorders,
7. Assess mental disability and rehabilitate appropriately,
8. Understanding of National and State programmes that address mental health and welfare of patients and community.

(b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to allow the student to understand bio-psycho-social-environmental interactions that lead to diseases/disorders for preventive, promotive, curative, rehabilitative services and medico-legal implications in the care of patients both in family and community.

#### **5.10.5.10 Respiratory Medicine**

(a) **Competencies:** The student must demonstrate:

1. Knowledge of common chest diseases, their clinical

manifestations, diagnosis and management,

2. Ability to recognize, diagnose and manage pulmonary tuberculosis as contemplated in National Tuberculosis Control programme,
3. Ability to manage common respiratory emergencies in primary care setting and refer appropriately.

(b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to allow the student to recognize diagnose and treat TB in the context of the society, national health

priorities, drug resistance and co-morbid conditions like HIV.

#### **5.10.5.11 Otorhinolaryngology**

(a) **Competencies:** The learner must demonstrate:

1. Knowledge of the common Otorhinolaryngological (ENT) emergencies and problems,
2. Ability to recognize, diagnose and manage common ENT emergencies and problems in primary care setting,
3. Ability to perform simple ENT procedures as applicable in a primary care setting,
4. Ability to recognize hearing impairment and refer to the appropriate hearing impairment rehabilitation programme.

(b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to allow the learner to understand the structural basis of ENT problems, their management and correlation with function, rehabilitation and quality of life.

#### **5.10.5.12 Ophthalmology**

(a) **Competencies:** The student must demonstrate:

1. Knowledge of common eye problems in the community
2. Recognize, diagnose and manage common eye problems and identify indications for referral,
3. Ability to recognize visual impairment and blindness in the community and implement National programmes as

applicable in the primary care setting.

- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to allow the student to understand the structural basis of ophthalmologic problems, their management and correlation with function, rehabilitation and quality of life.

#### **5.10.5.13b Radiodiagnosis**

- (a) **Competencies:** The student must demonstrate:
  1. Understanding of indications for various radiological investigations in common clinical practice,
  2. Awareness of the ill effects of radiation and various radiation protective measures to be employed,
  3. Ability to identify abnormalities in common radiological investigations.
- (b) **Integration:** Horizontal and vertical integration to understand the fundamental principles of radiologic imaging, anatomic correlation and their application in diagnosis and therapy.

#### **10.5.13 b Radiotherapy**

- (a) **Competencies:** The student must demonstrate understanding of:
  1. Clinical presentations of various cancers,
  2. Appropriate treatment modalities for various types of malignancies,
  3. Principles of radiotherapy and techniques.
- (b) **Integration:** Horizontal and vertical integration to enable basic understanding of fundamental principles of radio-therapeutic procedures.

#### **5.10.5.4 Anaesthesiology**

- (a) **Competencies in Anaesthesiology:** The student must demonstrate ability to:
  1. Describe and discuss the pre-operative evaluation, assessing fitness for surgery and the modifications in medications in relation to anaesthesia / surgery,
  2. Describe and discuss the roles of Anaesthesiologist as a peri-



operative physician including pre-medication, endotracheal intubation, general anaesthesia and recovery (including variations in recovery from anaesthesia and anaesthetic complications),

3. Describe and discuss the management of acute and chronic pain, including labour analgesia,
4. Demonstrate awareness about the maintenance of airway in children and adults in various situations,
5. Demonstrate the awareness about the indications, selection of cases and execution of cardio-pulmonary resuscitation in emergencies and in the intensive care and high dependency units,
6. Choose cases for local / regional anaesthesia and demonstrate the ability to administer the same,
7. Discuss the implications and obtain informed consent for various procedures and to maintain the documents.

(b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to provide comprehensive care for patients undergoing various surgeries, in patients with pain, in intensive care and in cardio respiratory emergencies. Integration with the preclinical department of Anatomy, para- clinical department of Pharmacology and horizontal integration with any/all surgical specialities is proposed.

a. **Third Professional (Part II)**

**5.10.6.1 General Medicine – as per 5.10.5.1**

**5.10.6.2 General Surgery – as per 5.10.5.2**

**5.10.6.3 Obstetrics & Gynaecology – as per 5.10.5.3**

**5.10.6.4 Pediatrics – as per 5.10.5.4**

**5.10.6.5 Orthopaedics – as per 5.10.5.5**

**5.10.6.6 Emergency Medicine-**The Department of Emergency Medicine with following minimum facilities shall be mandatory for all Medical Colleges

with effect from academic year 2022-2023 onwards.

### **Requirements**

There shall be a minimum of one unit of 30 beds in the department of Emergency Medicine. All the beds should have central oxygen and suction points with provision of piped oxygen supply. All medical college hospitals should have PSA (Pressure Swing Adsorption) or VSA (Vacuum Swing Adsorption) technology produced oxygen supply in addition to piped oxygen supply.

### **Faculty requirement**

Professor 1

Associate Professor 1

Assistant Professor 1

Sr. Residents 9

Junior Residents (JR)/Medical officers 9

**Note:** *There must be at least 1 faculty and at least 02 Senior residents from surgical specialities who should be available in the Department of Emergency Medicine.*

## **ASSESSMENT**

### **5.11 Assessment**

#### **5.11.1 Eligibility to appear for Professional examinations**

5.11.1.1 The performance in essential components of training are to be assessed, based on:

##### **(a) Attendance**

1. Attendance requirements are 75% in theory and 80% in practical/clinical for eligibility to appear for the examinations in that subject. In subjects that are taught in more than one phase – the learner must have 75% attendance in theory and 80% in practical in each phase of instruction in that subject.
2. If an examination comprises more than one subject (for e.g., General Surgery and allied branches), the candidate must have 75% attendance in each subject and 80% attendance in each clinical posting.
3. Learners who do not have at least 75% attendance in the electives will not be eligible for the Third Professional - Part II examination.

**Internal Assessment:** Internal assessment shall be based on day-to-day assessment. It shall relate to different ways in which learners participate in learning process including assignments, preparation for seminar, clinical case presentation, preparation of clinical case for discussion, clinical case study/problem solving exercise, participation in project for health care in the community, proficiency in carrying out a practical or a skill in small research project, a written test etc.

1. Regular periodic examinations shall be conducted throughout the course. There shall be no less than three internal assessment examinations in each Preclinical / Para-clinical subject and no less than two examinations in each clinical subject in a professional year. An end of posting clinical assessment shall be conducted for each clinical posting in each professional year.
2. When subjects are taught in more than one phase, the internal assessment must be done in each phase and must contribute proportionately to final assessment. For example, General Medicine must be assessed in second Professional, third Professional Part I and third Professional Part II, independently.
3. Day to day records and log book (including required skill certifications) should be given importance in internal assessment. Internal assessment should be based on competencies and skills.
4. The final internal assessment in a broad clinical specialty (e.g., Surgery and allied specialties etc.) shall comprise of marks from all the constituent specialties. The proportion of the marks for each constituent specialty shall be determined by the time of instruction allotted to each.
5. Learners must secure at least 50% marks of the total marks (combined in theory and practical / clinical; not less than 40 % marks in theory and practical separately) assigned for internal assessment in a particular subject in order to be eligible for appearing at the final University examination of that subject. Internal assessment marks will reflect as separate head of passing at the summative examination.
6. The results of internal assessment should be displayed on the notice board within a 1-2 weeks of the test. Universities shall guide the colleges regarding formulating policies for remedial measures for students who are either not able to score qualifying marks or have

missed on some assessments due to any reason.

7. Learners must have completed the required certifiable competencies for that phase of training and completed the log book appropriate for that phase of training to be eligible for appearing at the final university examination of that subject.

### **5.11.2 University Examinations**

5.11.2.1 University examinations are to be designed with a view to ascertain whether the candidate has acquired the necessary knowledge, minimal level of skills, ethical and professional values with clear concepts of the fundamentals which are necessary for him/her to function effectively and appropriately as a physician of first contact. Assessment shall be carried out on an objective basis to the extent possible.

5.11.2.2 Nature of questions will include different types such as structured essays (Long Answer Questions- LAQ), Short Answers Questions (SAQ) and objective type questions (e.g. Multiple Choice Questions - MCQ). Marks for each part should be indicated separately. MCQs shall be accorded a weightage of not more than 20% of the total theory marks. In subjects that have two papers, the learner must secure at least 40% marks in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass.

5.11.2.3 Practical/clinical examinations will be conducted in the laboratories and /or hospital wards. The objective will be to assess proficiency and skills to conduct experiments, interpret data and form logical conclusion. Clinical cases kept in the examination must be common conditions that the learner may encounter as a physician of first contact in the community. Selection of rare syndromes and disorders as examination cases is to be discouraged. Emphasis should be on candidate's capability to elicit history, demonstrate physical signs, write a case record, analyze the case and develop a management plan.

5.11.2.4 Viva/oral examination should assess approach to patient management, emergencies, attitudinal, ethical and professional values. Candidate's skill in interpretation of common investigative data, X-rays, identification of specimens, ECG, etc. is to be also assessed.

5.11.2.5 There shall be one main examination in an academic year and a supplementary to be held not later than 90 days after the declaration of the results of the main examination.

5.11.2.6 A learner shall not be entitled to graduate after 10 years of his/her joining of the first part of the MBBS course.

5.11.2.7 University Examinations shall be held as under:

**(a) First Professional**

1. The first Professional examination shall be held at the end of first Professional training (1+12 months), in the subjects of Human Anatomy, Physiology and Biochemistry.
2. A maximum number of four permissible attempts would be available to clear the first Professional University examination, whereby the first Professional course will have to be cleared within 4 years of admission to the said course. Partial attendance at any University examination shall be counted as an availed attempt.

**(b) Second Professional**

1. The second Professional examination shall be held at the end of second professional training (11 months), in the subjects of Pathology, Microbiology, and Pharmacology.

**(c) Third Professional**

1. Third Professional Part I shall be held at end of third Professional part 1 of training (12 months) in the subjects of Ophthalmology, Otorhinolaryngology, Community Medicine and Forensic Medicine and Toxicology
2. Third Professional Part II - (Final Professional) examination shall be at the end of training (14 months including 2 months of electives) in the subjects of General Medicine, General Surgery, Obstetrics & Gynecology and Pediatrics. The discipline of Orthopedics, Anesthesiology, Dentistry and Radiodiagnosis will constitute 25% of the total theory marks incorporated as a separate section in paper II of General Surgery.

3. The discipline of Psychiatry and Dermatology, Venereology and Leprosy (DVL), Respiratory Medicine including Tuberculosis will constitute 25% of the total theory marks in General Medicine incorporated as a separate section in paper II of General Medicine.

**(d) Examination schedule is in Table 1.**

**(e) Marks distribution is in Table 10.**

**Table 10 : Marks distribution for various subjects**

Phase of Course	Written Theory – Total	Practicals/Orals /Clinicals	Pass Criteria
First Professional			Internal
Human Anatomy - 2 papers	200	100	Assessment: 50% combined in theory and practical (not less than 40% in each) for eligibility for appearing for University Examinations
Physiology - 2 papers	200	100	
Biochemistry - 2 papers	200	100	
Second Professional			University Examination: Mandatory 50% marks separately in theory and practical (practical = practical/ clinical + viva)
Pharmacology - 2 Papers	200	100	
Pathology - 2 papers	200	100	
Microbiology - 2 papers	200	100	University Examination: Mandatory 50% marks separately in theory and practical (practical = practical/ clinical + viva)
Third Professional Part – I			
Forensic Medicine & Toxicology - 1 paper	100	100	
Ophthalmology – 1 paper	100	100	University Examination: Mandatory 50% marks separately in theory and practical (practical = practical/ clinical + viva)
Otorhinolaryngology – 1 paper	100	100	
Community Medicine - 2 papers	200	100	
Third Professional Part – II			University Examination: Mandatory 50% marks separately in theory and practical (practical = practical/ clinical + viva)
General Medicine - 2 papers	200	200	
General Surgery - 2 papers	200	200	
Pediatrics – 1 paper	100	100	University Examination: Mandatory 50% marks separately in theory and practical (practical = practical/ clinical + viva)
Obstetrics & Gynaecology - 2 papers	200	200	

At least one question in each paper of the clinical specialties should test knowledge - competencies acquired during the professional development programme (AETCOM module); Skills competencies acquired during the Professional Development programme (AETCOM module) must be tested during clinical, practical and viva.

**In subjects that have two papers, the learner must secure at least 40% marks**

in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass in the said subject.

- 1.. **Criteria for passing in a subject:** A candidate shall obtain 50% marks in University conducted examination separately in Theory and Practical (practical includes: practical/ clinical and viva voce) in order to be declared as passed in that subject.

## 2.. **Appointment of Examiners**

- (f) Person appointed as an examiner in the particular subject must have at least four years of total teaching experience as assistant professor after obtaining postgraduate degree in the subject in a college affiliated to a recognized/approved/permitted medical college.
- (g) For the Practical/ Clinical examinations, there shall be at least four examiners for 100 learners, out of whom not less than 50% must be external examiners. Of the four examiners, the senior-most internal examiner will act as the Chairman and coordinator of the whole examination programme so that uniformity in the matter of assessment of candidates is maintained. Where candidates appearing are more than 100, two additional examiners (one external & one internal) for every additional 50 or part there of candidates appearing, be appointed.
- (h) In case of non-availability of medical teachers, approved teachers without a medical degree (engaged in the teaching of MBBS students as whole-time teachers in a recognized medical college), may be appointed examiners in their concerned subjects provided they possess requisite doctorate qualifications and four years teaching experience (as assistant professors) of MBBS students. Provided further that the 50% of the examiners (Internal & External) are from the medical qualification stream.
- (i) External examiners may not be from the same University.
- (j) The internal examiner in a subject shall not accept external examinership for a college from which external examiner is appointed in his/her subject.
- (k) A University having more than one college shall have separate sets of examiners for each college, with internal examiners from the

concerned college.

- (l) External examiners shall rotate at an interval of 2 years.
- (m) There shall be a Chairman of the Board of paper-setters who shall be an internal examiner and shall moderate the questions.
- (n) All eligible examiners with requisite qualifications and experience can be appointed internal examiners by rotation in their subjects.
- (o) All theory paper assessment should be done as central assessment program (CAP) of concerned university.
- (p) Internal examiners should be appointed from same institution for unitary examination in same institution. For pooled examinations at one centre approved internal examiners from same university may be appointed.
- (q) The grace marks up to a maximum of five marks may be awarded at the discretion of the University to a learner for clearing the examination as a whole but not for clearing a subject resulting in exemption.

## **INTERNSHIP**

### **5.12 INTERNSHIP**

Internship is a phase of training wherein a graduate will acquire the skills and competencies for practice of medical and health care under supervision so that he/she can be certified for independent medical practice as an Indian Medical Graduate. In order to make trained work force available, it may be considered as a phase of training wherein the graduate is expected to conduct actual practice under the supervision of a trained doctor. The learning methods and modalities have to be done during the MBBS course itself with larger number of hands on session and practice on simulators.

#### **5.12.1 Goal:**

The goal of the internship programme is to train medical students to fulfill their roles as doctors of first contact in the community.

- 5.12.2 **Objectives:** At the end of the internship period, the medical graduate will possess all competencies required of an Indian



Medical Graduate, namely:

- 5.12.2.1 Independently provide preventive, promotive, curative and palliative care with compassion,
- 5.12.2.2 Function as leader and member of the health care team and health system,
- 5.12.2.3 Communicate effectively with patients, families, colleagues and the community,
- 5.12.2.4 Be certified in diagnostic and therapeutic skills in different disciplines of medicine taught in the undergraduate programme,
- 5.12.2.5 Be a lifelong learner committed to continuous improvement of skills and knowledge,
- 5.12.2.6 Be a professional committed to excellence and is ethical, responsive and accountable to patients, community and profession.

### **5.12.3 Time Distribution**

Community Medicine (Residential posting)	2 months
General Medicine including 15 days of Psychiatry	2 months
General Surgery including 15 days Anaesthesia	2months
Obstetrics & Gynaecology including Family Welfare Planning	2 months
Pediatrics	1 month
Orthopaedics including PM & R	1 month
Otorhinolaryngology	15 days
Ophthalmology	15 days
Casualty	15 days
Elective posting(1x15days)	15 days

Subjects for Elective posting will be as follows:

1. Dermatology, Venereology & Leprosy
2. Respiratory Medicine
3. Radio diagnosis

4. Forensic Medicine & Toxicology
5. Blood Bank
6. Psychiatry

**Note:** Structure internship with assessment at the end in the college.

**5.12.4 Other details:**

- 5.12.4.1 The core rotations of the internship shall be done in primary and secondary/ tertiary care institutions in India. In case of any difficulties, the matter may be referred to the Medical Council of India to be considered on individual merit.
- 5.12.4.2 Every candidate will be required after passing the final MBBS examination to undergo compulsory rotational internship to the satisfaction of the College authorities and University concerned for a period of 12 months so as to be eligible for the award of the degree of Bachelor of Medicine and Bachelor of Surgery (MBBS) and full registration.
- 5.12.4.3 The University shall issue a provisional MBBS pass certificate on passing the final examination.
- 5.12.4.4 The State Medical Council will grant provisional registration to the candidate upon production of the provisional MBBS pass certificate. The provisional registration will be for a period of one year. In the event of the shortage or unsatisfactory work, the period of provisional registration and the compulsory rotating internship shall be suitably extended by the appropriate authorities.
- 5.12.4.5 The intern shall be entrusted with clinical responsibilities under direct supervision of a designated supervising physician. They shall not work independently.
- 5.12.4.6 Interns will not issue medical certificate or death certificate or other medico-legal document under their signature.
- 5.12.4.7 Each medical college must ensure that the student gets learning experience in primary/secondary and urban/rural centers in order to provide a diverse learning experience and facilitate the implementation of national health programmes/ priorities. These shall include community and outreach activities, collaboration with rural and urban community health centers, participation in

government health missions etc.

5.12.4.8 One year's approved service in the Armed Forces Medical Services, after passing the final MBBS examination shall be considered as equivalent to the pre-registration training detailed above; such training shall, as far as possible, be at the Base/General Hospital. The training in Community Medicine should fulfill the norms of the MCI as proposed above.

5.12.4.9 In recognition of the importance of hands-on experience, full responsibility for patient care and skill acquisition, internship should be increasingly scheduled to utilize clinical facilities available in District Hospital, Taluka Hospital, Community Health Centre and Primary Health Centre, in addition to Teaching Hospital. A critical element of internship will be the acquisition of specific experiences and skill as listed in major areas: provided that where an intern is posted to District/Sub Divisional Hospital for training, there shall be a committee consisting of representatives of the college/University, the State Government and the District administration, who shall regulate the training of such trainee. Provided further that, for such trainee a certificate of satisfactory completion of training shall be obtained from the relevant administrative authorities which shall be countersigned by the Principal/Dean of College.

#### **5.12.5 Assessment of Internship:**

5.12.5.1 The intern shall maintain a record of work in a log book, which is to be verified and certified by the medical officer under whom he/she works. Apart from scrutiny of the record of work, assessment and evaluation of training shall be undertaken by an objective approach using situation tests in knowledge, skills and attitude during and at the end of the training.

5.12.5.2 Based on the record of work and objective assessment at the end of each posting, the Dean/Principal shall issue cumulative certificate of satisfactory completion of training at the end of internship, following which the University shall award the MBBS degree or declare him eligible for it.

5.12.5.3 Full registration shall only be given by the State Medical Council/Medical Council of India on the award of the MBBS

degree by the University or its declaration that the candidate is eligible for it.

5.12.5.4 Some guidelines for the implementation of the training programme are given below.

#### **5.12.6 INTERNSHIP – DISCIPLINE RELATED:**

##### **5.12.6.1 COMMUNITY MEDICINE GOAL:**

The aim of teaching the undergraduate student in Community Medicine is to impart such knowledge and skills that may enable him to diagnose and treat common medical illnesses and recognize the importance of community involvement. He/she shall acquire competence to deal effectively with an individual and the community in the context of primary health care. This is to be achieved by hands-on experience in the District Hospital and Primary Health Centre. The details are as under: -

#### **I) District Hospital /Community Health Centre/Attachment to General Practitioner:**

##### **A. An intern must be able to do without assistance:**

1. An intern must:
  - a) Be able to diagnose common ailments and advise primary care;
  - b) Demonstrate knowledge on 'Essential drugs' and their usage;
  - c) Recognize medical emergencies, resuscitate and institute initial treatment and refer to a suitable institution.
2. An intern must be familiar with all National Health Programmes (e.g. RCH, UIP, CDD, ARI, FP, ANC, Tuberculosis, Leprosy and others), as recommended by the Ministry of Health and Family Welfare.
3. An intern must:
  - a) Gain full expertise in immunization against infectious disease;
  - b) Participate in programmes related to prevention and control of locally prevalent endemic diseases including nutritional disorders;
  - c) Learn skills in family welfare planning procedures;

4. An intern must:
  - a) Conduct programmes on health education,
  - b) Gain capabilities to use Audiovisual aids,
  - c) Acquire capability of utilization of scientific information for promotion of community health
- B. An intern must have observed or preferably assisted at the following:**
  1. An intern should be capable of establishing linkages with other agencies as water supply, food distribution and other environmental/social agencies.
  2. An intern should acquire managerial skills including delegation of duties to and monitoring the activities of paramedical staff and other health professionals.

## **II) Taluka Hospital/ First Referral Unit**

### **A. An intern must be able to do without assistance:**

1. An intern shall provide health education to an individual/community on:
  - a) tuberculosis,
  - b) small family, spacing, use of appropriate contraceptives,
  - c) applied nutrition and care of mothers and children,
  - d) immunization.

### **B. An intern must be able to do with supervision:**

An intern shall attend at least one school health programme with the medical officer.

## **III) Primary Health Centre / Urban Health Centre**

### **A. An intern must be able to do without assistance the following:**

- a) Participate in family composite health care (birth to death), inventory of events.
- b) Participate in use of the modules on field practice for community health e.g. safe motherhood, nutrition surveillance and rehabilitation, diarrheal disorders etc.

- c) Participate in and maintain documents related to immunization and cold chain.
- d) Acquire competence in diagnosis and management of common ailments e.g. malaria, tuberculosis, enteric fever, congestive heart failure, hepatitis, meningitis acute renal failure etc.

**B. An intern must be able to do under supervision the following:**

- a) Acquire proficiency in Family Welfare Programmes (antenatal care, normal delivery, contraception etc.).
- b) Undergo village attachment of at least one week duration to understand issues of community health along with exposure to village health centres, ASHA Sub Centres.
- c) Participate in Infectious Diseases Surveillance and Epidemic Management activities alongwith the medical officer.

**5.12.6.2 GENERAL MEDICINE GOAL:**

The aim of teaching the undergraduate student in General Medicine is to impart such knowledge and skills that may enable him to diagnose and treat common medical illnesses. He/she shall acquire competence in clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management; this would include diseases common in tropics (parasitic, bacterial or viral infections, nutritional disorders, including dehydration and electrolyte disturbances) and various system illnesses.

**A. An intern must be able to do without assistance and interpret the results of:**

i. the following laboratory investigations:

- a) Blood: (Routine hematology smear and blood groups),
- b) Urine: (Routine chemical and microscopic examination),
- c) Stool: (for ova/cyst and occult blood),
- d) Sputum and throat swab for gram stain or acid-fast stain, and
- e) Cerebrospinal Fluid (CSF) for smear,
- f) Electrocardiogram (ECG),

- g) Glucometer recording of blood sugar,
- h) routine radiographs of chest, abdomen, skull etc.

ii. Perform independently the following:

- a) diagnostic procedures

Proctoscopy, Ophthalmoscopy/Otoscopy, Indirect laryngoscopy.

- b) Therapeutic procedures;

Urethral catheterization, Insertion of Ryle's Tube, Pleural, Ascetic fluid aspiration, Cerebrospinal Fluid (CSF) aspiration, Air way tube installation, Oxygen administration etc.

**B. An intern must have observed or preferably assisted at the following operations/ procedures:**

- a) **Biopsy Procedures:** Liver, Kidney, Skin, Nerve, Lymph node, and muscle biopsy, Bone marrow aspiration, Biopsy of Malignant lesions on surface, nasal/nerve/skin smear for leprosy under supervision.

**C. Skills that an intern should be able to perform under supervision:**

- (a) An intern should be familiar with lifesaving procedures, including use of aspirator, respirator and defibrillator, cardiac monitor, blood gas analyzer.
- (b) An intern should be able to advise about management and prognosis of acute & chronic illnesses like viral fever, gastroenteritis, hepatitis, pneumonias, myocardial infarction and angina, TIA and stroke, seizures, diabetes mellitus, hypertension renal and hepatic failure, thyroid disorders and hematological disorders. He should participate in counseling sessions for patients with non-communicable diseases and tuberculosis, HIV patients etc.
- (c) Intern should be able to confirm death and demonstrate understanding of World Health Organization cause of death reporting and data quality requirements.
- (d) Intern should be able to demonstrate understanding of the coordination with local and national epidemic management

plans.

- (e) Intern shall be able to demonstrate prescribing skills and demonstrate awareness of pharma covigilance, antibiotics policy, prescription audit and concept of essential medicines list.

### **5.12.6.3 : PEDIATRICS**

#### **GOAL**

The aim of teaching the undergraduate student in Pediatrics is to impart such knowledge and skills that may enable him to diagnose and treat common childhood illnesses including neonatal disorders. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management; this would include diseases common in tropics (parasitic, bacterial or viral infections, nutritional disorders, including dehydration and electrolyte disturbances) and various system illnesses.

#### **A. An intern must be able to do without assistance:**

An intern shall be able to diagnose and manage common childhood disorders including neonatal disorders and acute emergencies, examining sick child making a record of information.

An intern shall perform:

- a) **diagnostic techniques:** blood collection (including from femoral vein and umbilical cord), drainage of abscess, collection of cerebrospinal, pleural and peritoneal fluids, suprapubic aspiration of urine.
- b) **techniques related to patient care:** immunization, perfusion techniques, nasogastric tube insertion, feeding procedures, tuberculin testing & breast-feeding counseling.
- c) **use of equipments:** vital monitoring, temperature monitoring, resuscitation at birth and care of children receiving intensive care.
- d) institute early management of common childhood disorders



with special reference to pediatric dosage and oral rehydration therapy.

**B. An intern must have observed or preferably assisted at the following operations/ procedures:**

- a) screening of newborn babies and those with risk factors for any anomalies and steps for prevention in future; detect congenital abnormalities;
- b) recognize growth abnormalities; recognize anomalies of psychomotor development;
- c) assess nutritional and dietary status of infants and children and organize prevention, detection and follow up of deficiency disorders both at individual and community levels, such as:
  - protein-energy malnutrition
  - deficiencies of vitamins especially A, B, C and D;
  - Iron deficiency

**C. Skills that an intern should be able to perform under supervision:**

- a) An intern should be familiar with life-saving procedures, including use of aspirator, respirator, cardiac monitor, blood gas analyzer.
- b) An intern should be able to advise about management and prognosis of acute & chronic illnesses like viral fever, gastroenteritis, hepatitis, pneumonias, congenital heart diseases, seizures, renal and hepatic diseases, thyroid disorders and hematological disorders. She/he should participate in counseling sessions with parents including HIV counseling.

**5.12.6.4: GENERAL SURGERY GOAL:**

The aim of teaching the undergraduate student in General Surgery is to impart such knowledge and skills that may enable him to diagnose and treat common surgical ailments. He/she shall have ability to diagnose and suspect with reasonable accuracy all acute and chronic surgical illnesses.

**(A) THERAPEUTIC- An intern must perform or assist in:**

- a) venesection or venous access

- b) tracheostomy and endotracheal intubation
- c) catheterization of patients with acute retention or trocar cystostomy
- d) drainage of superficial abscesses
- e) basic suturing of wound and wound management (including bandaging)
- f) biopsy of surface tumors
- g) perform vasectomy

**(B) Skill that an intern should be able to perform under supervision:**

- a) Advise about prognosis of acute & chronic surgical illnesses, head injury, trauma, burns and cancer. Counsel patients regarding the same.
- b) Advise about rehabilitation of patients after surgery and assist them for early recovery.
- c) Intern should be able to demonstrate understanding of World Health Organisation cause of death reporting and data quality requirements.
- d) Intern should be able to demonstrate understanding of the use of national and sub-national cause of death statistics.

**(C) An intern must have observed or preferably assisted at the following operations/procedures:**

- a) Resuscitation of critical patients
- b) Basic surgical procedures for major and minor surgical illnesses
- c) Wound dressings and application of splints
- d) Laparoscopic/ Minimally Invasive surgery
- e) Lymph node biopsy

**5.12.6.5 CASUALTY:**

**GOAL:**

The aim of teaching the undergraduate student in

casualty is to impart such knowledge and skills that may enable him/her to diagnose and treat common acute surgical /medical ailments. He/she shall have ability to diagnose and suspect, with reasonable accuracy, acute surgical illnesses including emergencies, resuscitate critically injured patient and a severely burned patient, control surface bleeding and manage open wounds and monitor and institute first-line management of patients of head, spine, chest, abdominal and pelvic injury as well as acute abdomen.

**(A) THERAPEUTIC- An intern must perform or assist in:**

- a) Identification of acute emergencies in various disciplines of medical practice,
- b) Management of acute anaphylactic shock,
- c) Management of peripheral-vascular failure and shock,
- d) Management of acute pulmonary edema and Left Ventricular Failure (LVF),
- e) Emergency management of drowning, poisoning and seizure,
- f) Emergency management of bronchial asthma and status asthmatics,
- g) Emergency management of hyperpyrexia,
- h) Emergency management of comatose patients regarding airways, positioning, prevention of aspiration and injuries,
- i) Assessment and administering emergency management of burns,
- j) Assessing and implementing emergency management of various trauma victims,
- k) Identification of medico-legal cases and learn filling up of forms as well as complete other medico-legal formalities in cases of injury, poisoning, sexual offenses, intoxication and other unnatural conditions.

**(B) Skill that an intern should be able to perform under supervision:**

- a) Advise about prognosis of acute surgical illnesses, head injury, trauma and burns. Counsel patients regarding the

same.

**(C) An intern must have observed or preferably assisted at the following operations/ procedures:**

- a) Resuscitation of critical patients
- b) documentation medico legal cases
- c) management of bleeding and application of splints;

**5.12.6.6: OBSTETRICS AND GYNAECOLOGY GOAL:**

The aim of teaching the undergraduate student in Obstetrics & Gynaecology is to impart such knowledge and skills that may enable him to diagnose and manage antenatal and post natal follow up; manage labor and detect intrapartum emergencies; diagnose and treat common gynaecologic ailments.

**(A) THERAPEUTIC- An intern must perform or assist in:**

- a) Diagnosis of early pregnancy and provision of ante-natal care; antenatal pelvic assessment and detection of cephalopelvic disproportion,
- b) Diagnosis of pathology of pregnancy related to:
  - abortion
  - ectopic pregnancy
  - tumour complicating pregnancy
  - acute abdomen in early pregnancy
  - hyperemesis gravidarum,
- c) Detection of high risk pregnancy cases and give suitable advice e.g. PIH, hydramanios, antepartum hemorrhage, multiple pregnancies, abnormal presentations and intra-uterine growth retardation,
- d) Induction of labor and anatomy under supervision,
- e) Induction of labor and anatomy under supervision,
- f) Management of normal labor, detection of abnormalities, post- partum hemorrhage and repair of perennial tears,
- g) Assist in forceps delivery,
- h) Detection and management of abnormalities of lactation,
- i) Evaluation and prescription oral contraceptives with counseling,
- j) Per speculum, per vaginum and per rectal examination for detection of common congenital, inflammatory, neoplastic

- and traumatic conditions of vulva, vagina, uterus and ovaries,  
k) Medico-legal examination in Gynecology and Obstetrics.

**(B) Skills that an intern should be able to perform under supervision:**

- a) Dilatation and curettage and fractional curettage,
- b) Endometrial biopsy,
- c) Endometrial aspiration,
- d) Pap smear collection,
- e) Intra Uterine Contraceptive Device (IUCD) insertion,
- f) Minilap ligation,
- g) Urethral catheterization,
- h) Suture removal in postoperative cases,
- i) Cervical punch biopsy.

**(C) An intern must have observed or preferably assisted at the following operations/ procedures:**

- a) Major abdominal and vaginal surgery cases,
- b) Second trimester Medical Termination of Pregnancy (MTP) procedures e.g. Emcredy Prostaglandin instillations, Caesarean section.

**5.12.6.7 OTORHINOLARYNGOLOGY (ENT) GOAL:**

The aim of teaching the undergraduate student in ophthalmology is to impart such knowledge and skills that may enable him to diagnose and treat common to rhino laryngological conditions such as ear pain, foreign bodies and acquire ability for a comprehensive diagnosis of common Ear, Nose and Throat (ENT) diseases including emergencies and malignant neoplasms of the head and neck.

**(A) THERAPEUTIC- An intern must perform or assist in:**

- a) Ear syringing, antrum puncture and packing of the nose for epistaxis,
- b) Nasal douching and packing of the external canal,
- c) Removing foreign bodies from nose and ear,
- d) Observing or assisting in various endoscopic procedures and tracheostomy.

**(B) Skill that an intern should be able to perform under supervision:**

- a) Intern shall have participated as a team member in the diagnosis of various ENT- related diseases and be aware of National programme on prevention of deafness,
- b) Intern shall acquire knowledge of various ENT related rehabilitative programmes.

**(C) An intern must have observed or preferably assisted at the following operations/ procedures:**

- a) Intern shall acquire skills in the use of head mirror, otoscope and indirect laryngoscopy and first line of management of common Ear Nose and Throat (ENT) problems.

**5.12.6.8 OPHTHALMOLOGY GOAL:**

The aim of teaching the undergraduate student in ophthalmology is to impart such knowledge and skills that may enable him to diagnose and treat common ophthalmological conditions such as Trauma, Acute conjunctivitis, allergic conjunctivitis, xerosis, entropion, corneal ulcer, iridocyclitis, myopia, hypermetropia, cataract, glaucoma, ocular injury and sudden loss of vision.

**(A) THERAPEUTIC- An intern must perform or assist in:**

- a) Subconjunctival injection
- b) Ocular bandaging
- c) Removal of concretions
- d) Epilation and electrolysis
- e) Corneal foreign body removal
- f) Cauterization of corneal ulcers
- g) Chalazion removal
- h) Entropion correction
- i) Suturing conjunctival tears
- j) Lids repair

- k) Glaucoma surgery (assisted)
- l) Enucleation of eye in cadaver.
- (B) **Skill that an intern should be able to perform under supervision:**
  - (a) Advise regarding methods for rehabilitation of the blind.
- (C) **An intern must have observed or preferably assisted at the following operations/ procedures:**
  - a) Assessment of refractive errors and advise its correction,
  - b) Diagnose ocular changes in common systemic disorders,
  - c) Perform investigative procedures such as tonometry, syringing, direct ophthalmoscopy, subjective refraction and fluorescein staining of cornea.

#### **5.12.6.9 ORTHOPAEDICS GOAL:**

The aim of teaching the undergraduate student in Orthopaedics and Physical Medicine and Rehabilitation is to impart such knowledge and skills that may enable him to diagnose and treat common ailments. He/she shall have ability to diagnose and suspect presence of fracture, dislocation, acute osteomyelitis, acute poliomyelitis and common congenital deformities such as congenital talipes equinovarus (CTEV) and dislocation of hip (CDH).

- (A) **THERAPEUTIC- An intern must assist in:**
  - a) Splinting (plaster slab) for the purpose of emergency splintage, definitive splintage and post-operative splintage and application of Thomas splint,
  - b) Manual reduction of common fractures – phalangeal, metacarpal, metatarsal and Colles' fracture,
  - c) Manual reduction of common dislocations – interphalangeal, metacarpophalangeal, elbow and shoulder dislocations,
  - d) Plaster cast application for undisplaced fractures of arm, forearm, leg and ankle,
  - e) Emergency care of a multiple injury patient,
  - f) Transport and bed care of spinal cord injury patients.

**(B) Skill that an intern should be able to perform under supervision:**

- a) Advise about prognosis of poliomyelitis, cerebral palsy, CTEV and CDH,
- b) Advise about rehabilitation of amputees and mutilating traumatic and leprosy deformities of hand.

**(C) An intern must have observed or preferably assisted at the following operations:**

- a) Drainage for acute osteomyelitis,
- b) Sequestrectomy in chronic osteomyelitis,
- c) Application of external fixation,
- d) Internal fixation of fractures of long bones.

**5.12.6.10 DERMATOLOGY VENEREOLOGY & LEPROSY GOAL:**

The aim of teaching the undergraduate student in Dermatology Venereology & Leprosy is to impart such knowledge and skills that may enable him to diagnose and treat common dermatological infections and leprosy. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management; this would include diseases common in tropics (parasitic, bacterial or viral infections, and cutaneous manifestations of systemic illnesses).

**A THERAPEUTIC- At the end of internship an intern must be able to:**

- a) Conduct proper clinical examination; elicit and interpret physical findings, and diagnose common disorders and emergencies,
- b) Perform simple, routine investigative procedures for making bedside diagnosis, specially the examination of scraping for fungus, preparation of slit smears and staining for AFB for leprosy patient and for STD cases,
- c) Manage common diseases recognizing the need for referral for specialized care in case of inappropriateness of therapeutic response.

**B An intern must have observed or preferably assisted at the following operations/ procedures:**



- a) Skin biopsy for diagnostic purpose

#### **5.12.6.11 PSYCHIATRY GOAL:**

The aim of teaching the undergraduate student in Psychiatry is to impart such knowledge and skills that may enable him to diagnose and treat common psychiatric illnesses. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management.

He/she should also be able to recognize the behavioral manifestations of systemic illnesses.

#### **A. THERAPEUTIC - An intern must perform or assist in:**

- a) Diagnose and manage common psychiatric disorders,
- b) Identify and manage psychological reactions,
- c) Diagnose and manage behavioral disorders in medical and surgical patients.

#### **B. An intern must have observed or preferably assisted at the following operations/ procedures:**

- a) ECT administration,
- b) Therapeutic counseling and follow-up.

#### **5.12.6.12 RESPIRATORY MEDICINE GOAL:**

The aim of teaching the undergraduate student in Respiratory Medicine is to impart such knowledge and skills that may enable him to diagnose and treat common respiratory illnesses. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management.

#### **A. THERAPEUTIC - An intern must perform or assist in:**

- a) diagnosing and managing common respiratory disorders and emergencies,
- b) simple, routine investigative procedures required for making bedside diagnosis, especially sputum collection, examination for etiological organism like AFB, interpretation of chest X-rays and respiratory function tests,

- c) Interpreting and managing various blood gases and pH abnormalities in various illnesses.

**B. An intern must have observed or preferably assisted at the following operations/ procedures:**

- a) Laryngoscopy,
- b) Pleural aspiration, respiratory physiotherapy, laryngeal intubation and pneumo-thoracic drainage aspiration,
- c) Therapeutic counseling and follow up.

**5.12.6.13 ANAESTHESIOLOGY GOAL:**

The aim of teaching the undergraduate student in anaesthesia is to impart such knowledge and skills that may enable him to understand principles of anaesthesia and recognize risk and complications of anaesthesia. At the end of internship, graduate should be able to perform cardio-pulmonary resuscitation correctly, including recognition of cardiac arrest.

**(A) THERAPEUTIC-** An intern must perform or assist in:

- a) Pre-anaesthetic checkup and prescribe pre-anaesthetic medications, Venepuncture and set up intravenous drip,
- b) Laryngoscopy and endotracheal intubation,
- c) Lumbar puncture, spinal anaesthesia and simple nerve blocks,
- d) Simple general anaesthetic procedures under supervision,
- e) Monitor patients during anaesthesia and in the post-operative period,
- f) Maintain anaesthetic records,
- g) Perform cardio-pulmonary resuscitation correctly, including recognition of cardiac arrest.

**(B) Skill that an intern should be able to perform under supervision:**

- a) Counseling and advise regarding various methods of anaesthesia,
- b) Recognise and manage problems associated with emergency anaesthesia,
- c) Recognise and treat complications in the post-operative period.

**(C) An intern must have observed or preferably assisted at the following operations/ procedures:**

- a) Anaesthesia for major and minor surgical and other procedures;

#### **5.12.6.14 RADIODIAGNOSIS GOAL:**

The aim of teaching the undergraduate student in radiodiagnosis is to impart such knowledge and skills that may enable him to understand principles of imageology and recognize risk and complications of radiologic procedures and the need for protective techniques. At the end of internship, graduate should be able to counsel and prepare patients for various radiologic procedures.

##### **An intern must acquire competency in:**

- a) Identifying and diagnosing acute abdominal conditions clinically and choose appropriate imaging modality for diagnosis,
- b) Identifying and diagnosing acute traumatic conditions in bones and skull using X rays / CT Scans with emphasis on fractures and head injuries,
- c) Recognising basic hazards and precautions in radio-diagnostic practices specially related to pregnancy,
- d) Demonstrating awareness of the various laws like PC PNDT Act.

#### **5.12.6.15 PHYSICAL MEDICINE AND REHABILITATION GOAL:**

The aim of teaching the undergraduate student in Physical Medicine & Rehabilitation is to impart such knowledge and skills that may enable him to diagnose and treat common rheumatologic, orthopedic and neurologic illnesses requiring physical treatment. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management.

##### **A. THERAPEUTIC- An intern must perform or assist in:**

- a) Diagnosing and managing with competence clinical diagnosis and management based on detailed history and assessment of common disabling conditions like poliomyelitis, cerebral palsy, hemiplegia, paraplegia, amputations etc.
- b) Participation as a team member in total rehabilitation including appropriate follow up of common disabling conditions,
- c) Procedures of fabrication and repair of artificial limbs and appliances.

**B. An intern must have observed or preferably assisted at the following operations/ procedures:**

**a) Use of self-help devices and splints and mobility aids**

b) Accessibility problems and home making for disabled

c) Simple exercise therapy in common conditions like prevention of deformity in polio, stump exercise in an amputee etc.

d) Therapeutic counselling and follow up

#### **5.12.6.16 FORENSIC MEDICINE AND TOXICOLOGY GOAL:**

The aim of teaching the undergraduate student in Forensic Medicine is to impart such knowledge and skills that may enable him to manage common medico-legal problems in day to day practice. He/she shall acquire competence for post mortem diagnosis based on history, physical examination and relevant observations during autopsy.

**A. An intern must perform or assist in:**

a) Identifying and documenting medico-legal problems in a hospital and general practice,

b) Identifying the medico-legal responsibilities of a medical man in various hospital situations,

c) Diagnosing and managing with competence basic poisoning conditions in the community,

d) Diagnosing and managing with competence and documentation in cases of sexual assault,

e) Preparing medico-legal reports in various medico legal situations.

**B. An intern must have observed or preferably assisted at the following operations/ procedures, as given in Table 11:**

a. Various medico legal / post-mortem procedures and formalities during their performance by police.

#### **Table 11: Certifiable Procedural Skills:**

A Comprehensive list of skills recommended as desirable for Bachelor of Medicine and Bachelor of Surgery(MBBS) – Indian Medical Graduate

Specialty	Procedure
General Medicine	<ul style="list-style-type: none"> <li>• Venipuncture (I)</li> <li>• Intramuscular injection(I)</li> <li>• Intradermal injection (D)</li> <li>• Subcutaneous injection(I)</li> <li>• Intra Venous (IV) injection (I)</li> <li>• Setting up IV infusion and calculating drip rate (I)</li> </ul>
	<ul style="list-style-type: none"> <li>• Blood transfusion (O)</li> <li>• Urinary catheterization (D)</li> <li>• Basic life support (D)</li> <li>• Oxygen therapy (I)</li> <li>• Aerosol therapy / nebulization (I)</li> <li>• Ryle's tube insertion (D)</li> <li>• Lumbar puncture (O)</li> <li>• Pleural and ascitic aspiration (O)</li> <li>• Cardiac resuscitation (D)</li> <li>• Peripheral blood smear interpretation (I)</li> <li>• Bedside urine analysis (D)</li> </ul>
General Surgery	<ul style="list-style-type: none"> <li>• Basic suturing (I)</li> <li>• Basic wound care (I)</li> <li>• Basic bandaging (I)</li> <li>• Incision and drainage of superficial abscess (I)</li> <li>• Early management of trauma (I) and trauma life support (D)</li> </ul>
Orthopedics	<ul style="list-style-type: none"> <li>• Application of basic splints and slings (I)</li> <li>• Basic fracture and dislocation management (O)</li> <li>• Compression bandage (I)</li> </ul>
Gynecology	<ul style="list-style-type: none"> <li>• Per Speculum (PS) and Per Vaginal (PV) examination (I)</li> <li>• Visual Inspection of Cervix with Acetic Acid (VIA) (O)</li> <li>• Pap Smear sample collection &amp; interpretation (I)</li> <li>• Intra- Uterine Contraceptive Device (IUCD) insertion &amp; removal (I)</li> </ul>
Obstetrics	<ul style="list-style-type: none"> <li>• Obstetric examination (I)</li> <li>• Episiotomy (I)</li> <li>• Normal labor and delivery (including program) (I)</li> </ul>
Pediatrics	<ul style="list-style-type: none"> <li>• Neonatal resuscitation (D)</li> <li>• Setting up Pediatric IV infusion and calculating drip rate (I)</li> <li>• Setting up Pediatric Intraosseous line (O)</li> </ul>

Forensic Medicine	<ul style="list-style-type: none"> <li>• Documentation and certification of trauma (I)</li> <li>• Diagnosis and certification of death (D)</li> <li>• Legal documentation related to emergency cases (D)</li> </ul>
	<ul style="list-style-type: none"> <li>• Certification of medical-legal cases e.g. Age estimation, sexual assault etc. (D)</li> <li>• Establishing communication in medico-legal cases with police, public health authorities, other concerned departments, etc (D)</li> </ul>
Otorhinolaryngology	<ul style="list-style-type: none"> <li>• Anterior nasal packing (D)</li> <li>• Otoscopy (I)</li> </ul>
Ophthalmology	<ul style="list-style-type: none"> <li>• Visual acuity testing (I)</li> <li>• Digital tonometry (D)</li> <li>• Indirect ophthalmoscopy (O)</li> <li>• Epilation (O)</li> <li>• Eye irrigation (I)</li> <li>• Instillation of eye medication (I)</li> <li>• Ocular bandaging (I)</li> </ul>
Dermatology	<ul style="list-style-type: none"> <li>• Slit skin smear for leprosy (O)</li> <li>• Skin biopsy (O)</li> <li>• Gram's stained smear interpretation (I)</li> <li>• KOH examination of scrapings for fungus (D)</li> <li>• Dark ground illumination (O)</li> <li>• Tissue smear (O)</li> <li>• Cautery - Chemical and electrical (O)</li> </ul>

I- Independently performed on patients, O- Observed in patients or on simulations, D- Demonstration on patients or simulations and performance under supervision in patients

Certification of Skills: Any faculty member of concerned department can certify skills. For common procedures, the certifying faculty may be decided locally.

***Note:***

- ***The undergraduate curriculum as approved and notified by the National Medical Commission (NMC) will be followed strictly.***
- ***The internship training programme will also be adopted by the university as per the NMC notification.***

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## **CHAPTER-VI**

### **ADMISSION TO PG (MD/MS) COURSES**

#### **6.1 General Conditions to be Observed by Postgraduate Teaching Institutions**

- I. Postgraduate Medical Education in broad specialities shall be of three years duration in the case of degree course and two years in the case of Diploma course after MBBS and in the case of super specialities the duration shall be of three years after MD/MS.
- II. Postgraduate curriculum shall be competency based and approved by NMC.
- III. Learning in postgraduate programme shall be essentially autonomous and self-directed.
- IV. A combination of both formative and summative assessment is vital for the successful completion of the PG programme.
- V. A modular approach to the course curriculum is essential for achieving a systematic exposure to the various areas concerned with a discipline.

The training of PG students shall involve learning experience 'derived from' or 'targeted to' the needs of the community. It shall, therefore, be necessary to expose the students to community based activities.

#### **6.2 Goals and General Objectives of Postgraduate Medical Education Programme to be observed by Postgraduate Teaching Institution.**

##### **6.2.1 GOAL**

The goal of postgraduate medical education shall be to produce competent specialists and/ or Medical teachers.

- i. who shall recognize the health needs of the community, and carry out professional obligations ethically and in keeping with the objectives of the national health policy
- ii. who shall have mastered most of the competencies, pertaining to the speciality, that are required to be practiced at the secondary and the tertiary levels of the health care delivery system
- iii. who shall be aware of the contemporary advance and developments in the discipline concerned
- iv. who shall have acquired a spirit of scientific inquiry and is oriented to the principles of research methodology and epidemiology and
- v. who shall have acquired the basic skills in teaching of the medical and paramedical professionals

##### **6.2.2 General Objectives of Post-Graduate Training Expected From Students at the End of Post-Graduate Training**



At the end of the postgraduate training in the discipline concerned the student shall be able to;

- 6.2.2.1 Recognize the importance to the concerned speciality in the context of the health needs of the community and the national priorities in the health section.
- 6.2.2.2 Practice the speciality concerned ethically and in step with the principles of primary health care.
- 6.2.2.3 Demonstrate sufficient understanding of the basic sciences relevant to the concerned speciality.
- 6.2.2.4 Identify social, economic, environmental, biological and emotional determinants of health in a given case, and take them into account while planning therapeutic, rehabilitative, preventive and primitive measure/strategies.
- 6.2.2.5 Diagnose and manage majority of the conditions in the speciality concerned on the basis of clinical assessment, and appropriately selected and conducted investigations.
- 6.2.2.6 Plan and advise measures for the prevention and rehabilitation of patients suffering from disease and disability related to the speciality.
- 6.2.2.7 Demonstrate skills in documentation of individual case details as well as morbidity and mortality rate relevant to the assigned situation.
- 6.2.2.8 Demonstrate empathy and humane approach towards patients and their families and exhibit interpersonal behavior in accordance with the societal norms and expectations.
- 6.2.2.9 Play the assigned role in the implementation of national health programme, effectively and responsibly.
- 6.2.2.10 Organize and supervise the chosen/assigned health care services demonstrating adequate managerial skills in the clinic/hospital or the field situation.
- 6.2.2.11 Develop skills as a self-directed learner, recognize continuing education needs; select and use appropriate learning resources.
- 6.2.2.12 Demonstrate competence in basic concepts of research methodology and epidemiology and be able to critically analyze relevant published research literature.
- 6.2.2.13 Develop skills in using educational methods and techniques as applicable to the teaching of medical/nursing students, general physicians and paramedical health workers.
- 6.2.2.14 Function as an effective leader of a health team engaged in health care, research or training.

### **6.3 Statement of the Competencies:**

Keeping in view the general objectives of postgraduate training, each discipline

shall aim at development of specific competencies which shall be defined and spelt out in clear terms. Each department shall produce a statement and bring it to the notice of the trainees in the beginning of the programme so that he or she can direct the efforts towards the attainment of these competencies.

#### **6.4 Components of the Postgraduate Curriculum**

The major components of the Postgraduate curriculum shall be :

- 6.4.1** Theoretical knowledge
- 6.4.2** Practical and clinical skills
- 6.4.3** Writing Thesis/ Research articles
- 6.4.4** Attitudes including communication skills
- 6.4.5** Training in research methodology, Medical Ethics and Medicolegal aspects

#### **6.5 STARTING OF POSTGRADUATE MEDICAL COURSES AND THEIR RECOGNITION.**

- 6.5.1** An institution intending to start a post-graduate medical education course or to increase the annual intake capacity in an already ongoing course shall obtain the prior permission of the AMR University. The prior permission granted by the University for Postgraduate Degree/Postgraduate Diploma courses shall be for four and three academic years respectively.

Provided that it shall be incumbent upon Medical Institutions to make an application for starting of Post-graduate medical education courses within three years of grant of recognition, i.e., three years from the date of inclusion of the MBBS qualification awarded by the Medical College in the First Schedule of the Indian Medical Council Act, 1956. Failure to make an application for starting of Postgraduate courses within the stipulated time shall entail the withdrawal of recognition of MBBS qualification.

Provided further that a Medical Institution that makes an application for starting of a Postgraduate course in the eventuality of disapproval shall be granted two more opportunities for the succeeding years to make an application.

Failure to obtain permission of AMRU thereafter shall entail the withdrawal of affiliation of MBBS qualification. Provided further that above shall be applicable to the scheme submitted from the academic year 2020-21 onwards, in order to provide time to the existing colleges to apply.

- 6.5.2** The Institution shall apply for recognition of the Post Graduate Medical qualification to the Central Government through AMRU, when the first admitted batch shall be due to appear for the examination to be conducted by

AMR University.

In the event of deficiencies being found in the assessment, the Institution shall be granted an opportunity to submit compliance within 30 days from the date of communication of deficiencies by the NMC. Such an opportunity to comply with the deficiencies shall be availed by the Institute only twice.

- 6.5.3** Failure to seek timely recognition as required in sub-clause 6.5.2 shall invariably result in stoppage of admission to the concerned Post Graduate course.

In the event of failure of the institute to seek recognition for existing Post Graduate courses, the AMRU may impose an exemplary penalty which may extend to Rupees ten lakhs per seat of the postgraduate course; and/or stoppage of other postgraduate Medical courses of the Institution; and/or debar the Institution from making any application for starting or increase of seats in postgraduate courses for a specified period; and/or reducing the intake capacity in MBBS.

- 6.5.4** The recognition so granted to a Post Graduate Course shall be for a maximum period of 5 years, upon which it shall have to be renewed.

- 6.5.5** The procedure for 'Renewal' of recognition shall be same as applicable for the Award of recognition.

- 6.5.6** Failure to seek timely renewal of recognition as required in sub-clause-4 shall invariably result in stoppage of admissions to the concerned Post Graduate course.

- 6.5.7** The existing/new medical colleges should mandatorily have the department of Blood Bank with component of blood separation unit and Transfusion Medicine.

## **6.6 Nomenclature of Postgraduate Courses**

Specialities/ Subjects in which Postgraduate Degree and Diploma can be awarded by Atal Medical and Research University and the eligibility requirements of candidates for registration for the same.

- A. M.D. (DOCTOR OF MEDICINE)** for which candidates must possess recognized degree of MBBS (or its equivalent recognized degree)

1. Anesthesiology
2. Aerospace Medicine
3. Anatomy
4. Biochemistry
5. Biophysics
6. Community Medicine
7. Dermatology, Venereology and Leprosy
8. Family Medicine
9. Forensic Medicine
10. General Medicine

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11. Geriatrics
  12. Health Administration
  13. Hospital Administration
  14. Immuno Haematology and Blood Transfusion
  15. Microbiology
  16. Nuclear Medicine
  17. Pathology
  18. Pediatrics
  19. Pharmacology
  20. Physical Medicine Rehabilitation
  21. Physiology
  22. Psychiatry
  23. Radio-diagnosis
  24. Radiation Oncology
  25. Sports Medicine
  26. Tropical Medicine
  27. Respiratory Medicine
  28. Emergency Medicine
  29. MD (Palliative Medicine)
  30. Master of Public Health (Epidemiology)
  31. M.D. (Marine Medicine)

**B. M.S. (MASTER OF SURGERY)** for which candidates must possess recognized degree of MBBS (or its equivalent recognized degree).

1. Otorhinolaryngology
2. General Surgery
3. Ophthalmology
4. Orthopedics
5. Obstetrics & Gynecology
6. MS (Traumatology & Surgery)

**C. D.M. (DOCTOR OF MEDICINE)** for which candidates must possess recognized degree of M.D. (or its equivalent recognized degree) in the subject shown against them.

<b>Sr. No.</b>	<b>Area of Specialization</b>	<b>Prior Requirement</b>
1.	Cardiology	MD(Medicine), MD (Paediatrics) M.D. (Respiratory Medicine)
2.	Clinical Haematology	MD(Medicine), MD(Pathology) MD(Paediatrics), MD(Biochemistry)
3.	Clinical Pharmacology	MD (Pharmacology)
4.	Endocrinology	MD(Medicine) MD(Paediatrics)
5.	Immunology	MD(Medicine) MD(Pathology) MD(Microbiology) MD(Paediatrics) MD(Biochemistry) MD(Physiology)
6.	Medical Gastroenterology	MD(Medicine)
7.	Medical Genetics	MD/MS in any subject
8.	Medical Oncology	MD(Medicine), MS(Radiotherapy)MD (Paediatrics)
9.	Neonatology	MD (Paediatrics)
10.	Nephrology	MD(Medicine), MD(Paediatrics)
11.	Neurology	MD(Medicine), MD(Paediatrics)
12.	Neuro-radiology	MD (Radio-Diag.)
13.	Pulmonary Medicine	MD(General Medicine, MD(Paediatrics), MD(Resp. Medicine)
14.	Rheumatology	MD (General Medicine), MD(Paediatrics)
15.	Child & Adolescent Psychiatry	MD (Psychiatry)
16.	Paediatrics Gastroenterology	MD (Paediatrics)
17.	Paediatrics Cardiology	MD (Paediatrics)
18.	Cardiac Anaesthesia	MD (Anaesthesia)
19.	D.M. (Hepatology)	MD(General Medicine) MD (Paediatrics)

20	DM (Organ Transplant Anaesthesia & Critical Care)	MD(Anaesthesia)
21	DM(Critical Care Medicine)	MD(Anesthesia) MD(Medicine) MD(Respiratory Medicine) MD(Emergency Medicine) MD(Paediatrics)
22	DM(Paediatric Hepatology)	MD(Paediatrics) MD(Medicine)
23	DM (Neuro - Anaesthesia)	MD(Anesthesia)
24	DM (Paediatric Nephrology)	MD(Paediatrics)
25	DM (Infectious Disease)	M.D.(Medicine) M.D.(Paediatrics) M.D.(Tropical Medicine) M.D.(T.B. & Chest)
26	DM (Virology)	MD(Microbiology)
27	DM (Paediatric Oncology)	MD(Paediatrics)
28	DM (Geriatric Mental Health)	MD(Psychiatry)
29	DM (Paediatrics and Neonatal Anaesthesia)	MD(Anaesthesia)
30	DM (Interventional Radiology)	MD (Radiology)
31	D.M. (Onco-Pathology)	M.D.(Pathology)

**D. M.Ch. (MASTER OF CHIRURGIE)** for which candidates must possess recognized degree of M.S. (or its equivalent recognized degree) in the subjects shown against them.

<b>Sr. No.</b>	<b>Area Specialization</b>	<b>Prior Requirement</b>
1.	Cardio vascular & Thoracic Surgery	MS (Surgery)
2.	Urology	MS (Surgery)
3.	Neuro-Surgery	MS (Surgery)
4.	Paediatrics Surgery	MS (Surgery)
5.	Plastic & Reconstructive Surgery	MS (Surgery)
6.	Surgical Gastroenterology	MS (Surgery)
7.	Surgical Oncology	MS (Surgery), MS (ENT), MS (Orthopaedics), MD (Obst. & Gynae.)
8.	Endocrine Surgery	MS (General Surgery)
9.	Gynecological Oncology	MD/MS (Obst. & Gynae)
10.	Vascular Surgery	MS (Surgery)
11.	Paediatric Cardio Thoracic Vascular Surgery	MS (Surgery)
12.	M.Ch. (Hepato-Pancreato- Biliary Surgery)	MS (General Surgery)
13	M.Ch.(Hand Surgery)	MS(General Surgery) MS(Orthopaedics)
14	M.Ch.(Head & Neck Surgery)	M.S.(E.N.T.) or M.S.(General Surgery) or M.Ch.(Plastic & Reconstructive Surgery)or M.Ch. (Surgical Oncology)or M.Ch. (Neuro Surgery)
15	M.Ch. (ReproductiveMedicine & Surgery)	MD(Obstetrics & Gynaecology)
16	M.Ch. (PaediatricOrthopaedics)	MS (Orthopaedics)

#### **E. Ph.D. (DOCTOR OF PHILOSOPHY)**

Ph.D. Degree may be instituted in all subjects wherever recognized postgraduate qualification in medical subjects are awarded by Atal Medical& Research University subject to fulfillment of the following guidelines:

1. Ph.D. shall be awarded only upon completion of M.D. or M.S. or P.G. Diploma or M.Sc. in medical subjects.
2. The period of training for Ph.D. shall be two years for candidates who possess M.D./M.S/P.G. diploma in three years for candidates with M.Sc. (medical subjects).
3. For starting Ph.D. course, the institution concerned shall have the following facilities namely :-
  - i. Adequate facilities for experimental medicine and experimental surgery
  - ii. Ancillary Departments, adequately equipped and well staffed as prescribed for Postgraduate departments
  - iii. Adequate facilities for advanced research work and laboratory investigations in the departments of Biochemistry, Physiology, Microbiology, Histopathology, Radio-diagnosis etc.
4. A guide for the Ph.D. degree shall have not less than fifteen years' teaching and research experience after obtaining his postgraduate qualification and shall also have not less than ten years postgraduate teaching experience as an faculty member

**F. DIPLOMAS** for which candidates must possess recognized degree of MBBS (or its equivalent recognized degree).

1. Anesthesiology (D.A.)
2. Clinical Pathology (D.C.P.)
3. Community Medicine (D.C.M.)/ Public Health (D.P.H.)
4. Dermatology, Venereology and Leprosy (DDVL)
5. Forensic Medicine (D.F.M.)
6. Health Education (D.H.E.)
7. Health Administration (D.H.A.)
8. Immuno-Haematology & Blood Transfusion (D.I.H.B.T.)
9. Marine Medicine (Dip. M.M.)
10. Microbiology (D. Micro)
11. Nutrition (D.N.) Obstetrics & Gynecology (D.G.O.)
12. Occupational Health (D.O.H.)
13. Ophthalmology (D.O.)
14. Orthopedics (D.Ortho.)
15. Oto-Rhino Laryngology (D.L.O.)
16. Paediatrics (D.C.H.)
17. Physical Medicine & Rehabilitation (D.Phy. Med. & R.)
18. Psychiatry (D.P.M.)
19. Radio-diagnosis (D.M.R.D.)
20. Radio-therapy (D.M.R.T.)
21. Radiological Physics (D.R.P.)



22. Sport Medicine (D.S.M.)
23. Tropical Medicine & Health (D.T.M. & H.)
24. Tuberculosis & Chest Diseases (D.T.C.D.)
25. Virology (D. Vir.)
26. Radiation Medicine (D.R.M.)
27. Diploma in Allergy & Clinical Immunology

**G. DIPLOMAS** for which candidates must possess recognized postgraduate degree (or its equivalent recognized degree).

1. Neuro-pathology (DNP) (with the prior requirement of M.D.(Pathology).

**H. Postdoctoral Certificate Courses (PDCC) in the following subjects :-**

1. PDCC in Cardiac-Anaesthesia
2. PDCC in Neuro-Anaesthesia
3. PDCC in Organ Transplant Anaesthesia
4. PDCC in Paediatric Endocrinology
5. PDCC in Critical Care Medicine
6. PDCC in Paediatric Gastroenterology
7. PDCC in Laboratory Immunology
8. PDCC in Infectious Diseases
9. PDCC in Nuclear Nephrology
10. PDCC in Renal Pathology
11. PDCC in Gastro-Radiology
12. PDCC in Neuro-Radiology
13. PDCC in Aphaeresis Technology and Blood Component Therapy
14. PDCC in Pain Management
15. PDCC in Haemato-Oncology
16. PDCC in Paediatric Endocrinology
17. PDCC in Paediatric ENT
18. PDCC in Interventional Radiology
19. PDCC in Spine Surgery

## 6.7 GENERAL

- 6.7.1 The Medical Institution recognized under the Indian Medical Council Act, 1956 for running post-graduate courses prior to the commencement of the Indian Medical Council (Amendment) Act, 1993; the Medical Colleges recognized for running Bachelor of Medicine and Bachelor of Surgery (MBBS) course; and the Medical Institutions established by the Central Government for the purpose of imparting postgraduate medical education shall be eligible for starting a post-graduate

medical education course or to increase the intake capacity in any already ongoing postgraduate medical education course.

Provided that it shall be permissible for Medical Colleges not yet recognized for the award of MBBS degree under the Indian Medical Council Act, 1956 to apply for starting of a Post-graduate medical education course in pre clinical and para clinical subjects, namely, Anatomy; Physiology; Biochemistry; Pharmacology; Pathology; Microbiology; Forensic Medicine; and Community Medicine at the time of third renewal i.e., along with the admission of fourth batch for the MBBS course; and in clinical subjects, namely, Anaesthesiology; Dermatology, Venereology and Leprosy; General Medicine; Paediatrics; Psychiatry; Radio-diagnosis; Radiation Oncology; Respiratory Medicine; Otorhinolaryngology; General Surgery; Ophthalmology; Orthopaedics; Obstetrics & Gynecology, at the time of fourth renewal, i.e., along with the admission of fifth batch for the MBBS course.”

(6.7A) The Central Government shall exempt any such existing/proposed non-teaching institutions or specialist institution or autonomous body owned and managed by the Central Government/State Government from fulfilling the prescribed provision of having an undergraduate teaching facility, and allow starting Postgraduate medical course.

6.7.2 The maximum number of students for a postgraduate medical course, who can be registered in any recognised department, for training for the award of postgraduate degree or diploma by AMR university, shall be determined by the facilities available in the department in terms of infrastructure, teaching staff and clinical teaching material.

6.7.3 Every student, selected for admission to a Post Graduate medical course

in any of the medical institutions on acquiring MBBS Degree or an equivalent qualification thereto shall have obtained permanent registration with the Medical Council of India, or any of the State Medical Council(s) or shall obtain the same within a period of one month from the date of his/her admission, failing which his/her admission shall stand cancelled

Provided that in the case of a foreign national, the Medical Council of India may, on payment of the prescribed fee for registration, grant temporary registration for the duration of the Post Graduate course limited to the medical college/institution to which he/she is admitted for the time being exclusively for pursuing postgraduate studies”.

Provided further that temporary registration to such foreign national shall be subject to the condition that such person is duly registered as medical practitioner with appropriate registering authority in his own country wherefrom he has obtained his Basic Medical qualification and is duly recognized by the corresponding Medical

Council or concerned authority.

6.7.4 The students undergoing postgraduate courses shall be exposed to the following :-

- a. Basics of statistics to understand and critically evaluate published research paper.
- b. Exposure to Human Behavior studies.

## **6.8 Selection of Postgraduate Students**

**Procedure for selection of candidate for Postgraduate courses shall be as follows :-**

- i. There shall be a uniform entrance examination to all medical educational institutions at the Postgraduate level namely 'National Eligibility-cum-Entrance Test' for admission to postgraduate courses in each academic year and shall be conducted under the overall supervision of the Ministry of Health & Family Welfare, Government of India.
- ii. The "designated authority" to conduct the 'National Eligibility-cum- Entrance Test' shall be the National Board of Examination or any other body/organization so designated by the Ministry of Health and Family Welfare, Government of India.
- iii. In order to be eligible for admission to Postgraduate Course for an academic year, it shall be necessary for a candidate to obtain minimum of marks at 50<sup>th</sup> percentile in the 'National Eligibility- Cum-Entrance Test for Postgraduate courses' held for the said academic year. However, in respect of candidates belonging to Scheduled Castes, Scheduled Tribes, and Other Backward Classes, the minimum marks shall be at 40<sup>th</sup> percentile. In respect of candidates with benchmark disabilities specified under the Rights of Persons with Disabilities Act, 2016, the minimum marks shall be at 45<sup>th</sup> percentile for General Category and 40<sup>th</sup> percentile for

SC/ST/OBC. The percentile shall be determined on the basis of highest marks secured in the All India Common merit list in National Eligibility-cum-Entrance Test for Postgraduate courses.

Provided when sufficient number of candidates in the respective categories fail to secure minimum marks as prescribed in National Eligibility-cum-Entrance Test held for any academic year for admission to Postgraduate Courses, the Central Government in consultation with Medical council of India may at its discretion lower the minimum marks required for admission to Post Graduate Course for candidates belonging to respective categories and marks so lowered by the Central Government shall be applicable for the academic year only.

- iv. The reservation of seats in Medical institutions affiliated to Atal Medical & Research University for respective categories shall be published in the prospectus of for each session. The number of seats available under various categories published in prospectus shall be final. An all India merit list as well as State merit

list of the eligible candidates shall be prepared on the basis of the marks obtained in National Eligibility-cum-Entrance Test and candidates shall be admitted to Postgraduate Courses from the said merit list only.

Provided that in determining the merit of candidates who are in service of government/public authority, weightage in the marks may be given by the Government/Competent Authority as an incentive up to 10% of the marks obtained for each year of service in remote and/or difficult areas or Rural areas upto maximum of 30% of the marks obtained in National Eligibility-cum Entrance Test. The remote and/or difficult areas or Rural areas shall be as notified by State Government/Competent authority from time to time.

- v. 5% seats of annual sanctioned intake capacity shall be filled up by persons with benchmark disabilities in accordance with the provisions of the Rights of Persons with Disabilities Act, 2016, based on the merit list of National Eligibility-Cum-Entrance Test for admission to Postgraduate Medical Courses.

In order to be eligible for admission to Postgraduate Course for an academic year, it shall be necessary for a candidate to obtain minimum of marks at 50<sup>th</sup> percentile in the 'National Eligibility- Cum- Entrance Test for Postgraduate courses' held for the said academic year. However, in respect of candidates belonging to Scheduled Castes, Scheduled Tribes, and Other Backward Classes, the minimum marks shall be at 40<sup>th</sup> percentile. In respect of candidates with benchmark disabilities specified under the Rights of Persons with Disabilities Act, 2016, the minimum marks shall be at 45<sup>th</sup> percentile for General Category and 40<sup>th</sup> percentile for SC/ST/OBC.

- vi. No candidate who has failed to obtain the minimum eligibility marks as prescribed in Sub-Clause (3) above shall be admitted to any Postgraduate courses in the said academic year.
- vii. In non-Governmental medical institutions, 50% (Fifty Percent) of the total seats shall be filled by AMRU and the remaining 50% (Fifty Percent) of the seats shall be filled by the concerned medical colleges on the basis of the merit list prepared as per the marks obtained in National Eligibility-cum-Entrance Test.
- viii. The admission process shall be organized in such a way that teaching in broad speciality postgraduate courses starts by 1<sup>st</sup> May and for super speciality courses by 1<sup>st</sup> August each year.
- ix. There shall be no admission of students in respect of any academic session beyond 31<sup>st</sup> May for postgraduate courses and 31<sup>st</sup> August for super speciality courses under any circumstances.
- x. No authority / institution shall admit any candidate to any postgraduate medicine course in contravention of the criteria / procedure as laid down by these Regulations and / or in violation of the judgments passed by the Hon'ble Supreme Court in respect of admissions. Any candidate admitted in

contravention / violation of aforesaid shall be discharged by AMRU forthwith. The authority / institution which grants admission to any student in contravention / violation of the Regulations and / or the judgments passed by the Hon'ble Supreme Court, shall also be liable to face such action as may be prescribed by the University, including surrender of seats equivalent to the extent of such admission made from its sanctioned intake capacity for the succeeding academic year / years.

- xi. The eligibility and selection criteria in respect of In-Service GDOs shall be notified by the Government of Himachal Pradesh from time to time and the same shall be published in the prospectus. At present it shall be according to Notification No. HFW-B (F)4-9/2017-II dated 27.02.2019.

**6.8.1 Incentive for pursuing Post Graduation within the State through NEET PG**

6.8.1.1 There shall be no requirement for a NOC to appear in NEET-PG2021 for any of the GDO candidates.

6.8.1.2 There shall be requirement of an Incentive Certificate for availing the incentive for serving in the State as a GDO provided that such Incentive Certificate shall be issued to only those GDO who have completed at least one year of uninterrupted continuous service without any break or unauthorized absence on the date of declaration of result of NEET- PG. Further provided that this Incentive Certificate shall be valid only for appearing in the State Quota Counselling.

6.8.1.3 The application for issuance of Incentive Certificate shall be made by the desirous GDO to the concerned Chief Medical Officer under whom he/she is currently serving. The application shall be made on a prescribed format. The concerned Chief Medical Officer shall verify the service particulars of the GDO from the maintained service record and send the Incentive Certificate for counter signature of the Director of Health Services, Himachal Pradesh.

6.8.1.4 The GDOs shall be entitled for an incentive in terms of percentage of marks obtained in NEET-PG based on their services rendered in various field postings is given below as per PG policy notified by the State Government vide Notification No.HFW-B(F)4- 9/2017-II dated 27/02/2019.

**Incentive percentage for GDOs for doing Post-Graduation Course through NEET-PG within the State of Himachal Pradesh:**

Category	Name of District	Medical Blocks/ Health Institution under the areas	Area wise percentage incentive for one year of service
A	Chamba	Pangi	10
	Lahul & Spiti	Whole District	
	Kinnaur	Pooh	
	Shimla	Area within Dodra Kwar sub-division of Chirgaon Medical Block	
B	Chamba	Bharmour, Kihar and Tissa	8
	Kinnaur	Sangla & Nichar except CHC Bhabanagar & RH Recang Peo	
C	Kinnaur	CHC Bhabanagar of Nichhar Block, RH Recang Peo	6
	Shimla	Chirgaon and Nerwa	
	Mandi	Janjehli, Chhohar Valley of Padhar Medical Block	
	Sirmour	Shilai and Sangrah	
D	Kullu	Anni and Nirmond (Except CH Nirmond)	4
	Mandi	Bagsaid (Expect CH Gohar) and Sandhole (Expect CH Dharampur)	
	Chamba	Phukhari Choori and Samote	
	Sirmour	Rajgarh (Transgiri area)	
	Kangra	Mahakal	
	Shimla	Nankhari and Tikker	
E	All Districts	Other Medical Institution of the State (Excluding the above and below) (A,B,C,D & F)	2
F	All	All urban Areas	0
<p>The percentage incentive shall be computed on pro-rata basis for the actual duration of service rendered in a particular field posting as per following formula:</p> <p>Incentive percentage for a Particular field Posting  on served (in days X Prescribed incentive for particular Institution 365</p>			

In case a particular GDO has been posted at one particular station but he is deputed for some period to another station, the actual duration served at a particular field posting will be taken into account for the calculation of incentive. This incentive shall be available to only those GDOs who are in the active service of the State in a continuous manner and for the purpose of computing the incentive, the present continuous service shall be taken into

account; meaning thereby, any doctor who has served as a GDO in the past but has subsequently resigned from GDO ship shall not be eligible to avail benefit of this incentive on the basis of any previous service. Similarly, if he/she subsequently joins GDO ship again, the incentive will be calculated taking into consideration the latest period of service reckoned from the date when he/she is in continuous service without any break. This incentive will be subject to maximum of 30% as per judgment delivered by the Hon'ble Supreme Court of India on 16<sup>th</sup> August, 2016 in Civil Appeal No.:8047/2016- State of U.P. & Ors. Versus Dr. Dinesh Singh Chauhan and as per Medical Council of India Regulations.

- 6.8.1.5 For the purpose of computation of incentive by the Director of Health Services, Himachal Pradesh the cutoff date shall be the date of declaration of NEET-PG result.
- 6.8.1.6 The last date for applying Incentive Certificate to the Director of Health Services shall be intimated every year.
- 6.8.1.7 If any GDO fails to make application before the expiry of the last date prescribed for the purpose, it shall be presumed that he/she is not interested in availing the benefit of the incentive.
- 6.8.1.8 The incentive applicable for each field posting for a particular candidate shall be calculated, summed up and rounded off to three decimal points by the Director of Health Services. The Director of Health Services shall compile the list of all candidates who have applied for issuance of Incentive Certificate along with their NEET-PG Roll number and communicate the entitled incentive (till three decimal points) in respect of each candidate to the Member Secretary, Counselling Committee for drawing up a combined merit list in respect of GDO and Direct candidates. The individual original Incentive Certificate shall be filed in the personal record of the GDO.
- 6.8.1.9 No incentive shall be applicable for those GDOs who are appearing for the All India counseling.
- 6.8.1.10 For the purpose of incentive, this Policy shall be applicable henceforth; meaning thereby the GDOs who have served in field postings in the past will be awarded incentive as per previous Notification dated 20-03-2017 (and amended from time to time) and any GDO who is serving/will serve in any field posting will be entitled for incentive as prescribed in this Policy from now onwards.
- 6.8.1.11 NOC/Sponsorship for pursuing Post Graduation against sponsored quota seats of autonomous institutions.

**6.8.2.1** NOC shall be issued only to GDOs desirous of pursuing Post

Graduation from the autonomous institutions for appearing in their entrance examination against the sponsored quota of the autonomous institutes subject to the following conditions:-

- (a) GDO should be regular and should have three years of uninterrupted continuous services without any break or unauthorized absence. His/her service record to this effect should have been verified by the concerned Chief Medical Officer as

per maintained service record. Such verification shall be obtained by the concerned GDO from the Chief Medical Officer before making application to the DHS for NOC for appearing in examination.

- (b) NOC will not be given before three years of service. The requirement may be lesser in case of any particular autonomous institution and shall be published in the prospectus of that institution.

**6.8.2.2** Such candidates who have been granted NOC/Sponsorship for appearing in the entrance examination of autonomous institutions and are subsequently selected in the institutions shall apply to the Director of Health Services, Himachal Pradesh for relieving along with the result card. The Director of Health Services, Himachal Pradesh shall then complete all the formalities as prescribed in the prospectus and shall relieve the candidate only after furnishing of bond documents.

**6.8.2.3** After the counseling, the GDOs desirous of pursuing Post Graduation within or out side the State shall apply for sponsorship to the Director of Health Service, Himachal Pradesh. The pre- requisites for issuance of sponsorship certificate shall be the following:

- A. For Post-Graduation within the State
  - a) The candidate should have been eligible to be issued incentive certificate as per the provision of the PG policy.
  - b) Fulfillment of all formalities as described in prospectus.
- B. For Post-Graduation outside the State through NEET-PG/ unsponsored quota of autonomous institutions:
  - a). No GDO shall be sponsored for Post-Graduation outside the state through NEET-PG or against non-sponsored quota of autonomous institutions.
  - b). Such GDOs who secure admissions in Post-Graduation courses outside the State through NEET-PG or against unsponsored quota of autonomous institutions may avail leave of kind due including Study Leave/ Extra Ordinary Leave, as may be otherwise admissible as per CCS (Leave) Rules.
  - c). Such GDOs who secure admissions in Post-Graduation courses outside the State through NEET-PG or against unsponsored quota of autonomous institutions shall apply to the DHS for relieving. If the candidate has sufficient leave of kind due as per clause above, the same may be recommended to the Government subject to the conditions as per the leave being granted including bond period for Study Leave. If sufficient leave is not admissible as may be required for duration of the Post-Graduation course, the GDO will have to resign if he/she wants to pursue the post-graduation and accordingly his/her case shall be sent to the Government by the Director of Health Services Himachal Pradesh along with recommendations.
  - d). If any GDO joins Post Graduation within or outside the state through NEET-PG exam/Autonomous Institution Entrance Examination as a direct candidate without due resignation/permission, in case of contractual GDO his/her services



shall be deemed terminated and recovery shall be made as per terms of contract agreement and in case of regular GDO candidate, disciplinary proceedings shall be initiated besides writing to the concerned Head of Institute for cancellation of the admission.

## **6.9 Eligibility and selection criteria in respect of direct candidates for state quota**

6.9.1 The graduates of Medical Colleges of Himachal Pradesh.

6.9.2 Bonafide Himachali who have done MBBS from any institute recognized by MCI/ NMC. Children of H.P. Government Employees/Employees of Autonomous Bodies wholly or partially financed by H.P. Government getting admission to MBBS course through NEET or any other All India entrance Examination in MCI/G.O.I. any recognized Medical Colleges in India.

6.9.3 Candidates seeking admission shall:-

1. Possess MBBS degree of Himachal Pradesh University or any other University recognized by National Medical Commission.
2. Have completed Compulsory Internship before the last date of submission of application form.
3. Have obtained full registration either from Medical Council of India or any of the State Medical Council.
4. The candidate possessing foreign qualifications (MBBS degree) will have to produce the certificate of having passed the MCI examination as well as Certificate of Recognition by MCI of the Institution from which he/she has obtained the MBBS Degree, at the time of 1<sup>st</sup> round of Counselling.

The cutoff date for completion of internship towards determination of eligibility for State Quota Centralized Counseling shall be notified each year.

**Note:-** For getting admission in Private Medical College through Centralized Counselling, Non- Bonafide/ Domicile Himachali candidates can also apply on the prescribed application form along- with NEET-PG result card, so that their names can be included in the State Merit list according to NEET-PG marks /ranking at appropriate place.

6.9.4 In case, the eligible candidate to the extent of reservation in any category are not available or unfilled, the vacant seats shall be filled up by making them available in the category as given below:-

- (a) The vacant/unfilled seats of SC category shall be filled up amongst the eligible ST category candidates.
- (b) The vacant /unfilled seats of ST category shall be filled up from amongst the eligible SC category candidates.
- (c) In case, the eligible candidate are not available in the above two

Reserved categories in the above manner, the vacant seats shall then be filled up from amongst the eligible unreserved candidates.

- (d) The candidature of SC/ST candidates belonging to other state (Non-HP) will only be considered for general category by virtue of their general combined merit.
- 6.9.5 Specialty-wise allotment of Recognized/ Permitted Degree Seats for AIQ/ State Quota for every session shall be published in the prospectus of concerned session.
- 6.9.6 40 point reservation roster will be applied in respect of allotment of seats/specialties amongst Gen., SC & ST categories in the following manner.

<b>Sr. No.</b>	<b>Name of Category</b>	<b>40 point Roster point (vertically)</b>
<b>1.</b>	SC (15%)	1,8,14,22,28 and 36
<b>2.</b>	ST (7.5%)	4,17 and 31
<b>3.</b>	Person with disability	20 and 40
<b>4.</b>	EWS (10 %)	9, 19, 29 and 39 (These roster points will be applicable subject to the approval of MCI on account of 10 % seats under EWS Quota)

- 6.9.7 The Centralized Counselling shall be conducted in order of merit –cum choice of specialty and 40 point reservation roster. If reserved category candidate stands in General combined merit list then, he/she can opt for any seat that falls under General category points by virtue of his/her General combined merit. In that event point of General category will be treated exhausted.
- 6.9.8 5% seats of the annual sanctioned intake capacity shall be filled up by persons with Benchmark disability in accordance with the provisions of the Rights of Persons with disability Act, 2016 and as per the directions of the Medical Council of India based on merit list of National Eligibility –cum- Entrance Test for admission to Post Graduate Courses in Govt. and Private Medical Colleges of the State. Person with disability candidates who intends to take admission in Govt. and Private Medical Colleges of the State through Centralized Counselling have to obtain the certificate of disability in the prescribed format from the Medical Board notified by Government of HP..
- 6.9.9 If Person with disability stands in General combined merit list, he/she can opt for seat earmarked to General category candidate by virtue of his /her General combined merit. In that event point of General category will be treated exhausted. If the seats reserved for the persons with disabilities in a particular category remain unfilled on account of unavailability of candidates, the seats shall be included in the annual sanctioned seats for the respective Category i.e. General Category.
- 6.9.10 The reservation will be provided to single girl child in the following manner:  
If, single girl child category candidate stands in General Combined Merit list then, she

can opt for any seat that falls under general category points by virtue of her general combined merit. In that event point of general category will be treated exhausted. If, single girl child category candidates does not stand in the general combined merit, in this events last seat of general category of the concerned government Medical College which will be available during the Counseling shall be allotted to the single girl child to maintain the reservation to single girl child.

**Definitions of Single Girl Child:-**

Single Girl Child means parents having a single girl child without any sibling subject to fulfillment of eligibility criteria as prescribed for State Quota seats under this category.

6.9.11 Reservation to EWS shall be provided as per direction of the Central Govt.

**Definitions of EWS-** Economically Weaker Sections (EWSs) means the persons who fulfilled the criteria as prescribed by Government of Himachal Pradesh Department of Personnel (AP- III) vide letter No. PER(AP)-C-B(12)-1/2019 dated 11.06.2019. As per aforesaid letter, the persons who are not covered under the scheme of reservation for SCs, STs, and OBCs and whose family has gross annual income below Rs. 4.00 lakh (Rupees four lakh only) are to be identified as EWSs for benefit of reservation. Income shall also include income from all sources i.e. salary, agriculture, business, profession, etc. for the financial year prior to the year of application. Also persons whose family owns or possesses any of the following assets shall be excluded from being identified as EWS, irrespective of the family income-

- 6.9.12 I) More than 1 hectare; of Agriculture Land in rural areas and 500 M<sup>2</sup> land in urban areas;  
II) Residential flat/house of more than 2500 square feet in rural/urban areas;  
III) Family of income tax payee;  
IV) Family of Regular/Contract employees of the Central Government, State Government, Board, Corporation and autonomous bodies and Public Sector Undertakings etc.

**Note:** The candidates claiming the benefit of reservation under EWSs category is required to submit the certificate on the prescribed format (as applicable) duly issued by the competent authority of the State of Himachal Pradesh.

**6.9A. Common Counseling**

1. There shall be a common counseling for admission to all Postgraduate Courses (Diploma/ MD/ MS/ DM/ M.Ch.) in all Medical Educational Institutions on the basis of merit list of the National Eligibility-cum-Entrance Test.
2. The Designated Authority for counselling for the 50% All India Quota seats of the contributing States, as per the existing scheme for Diploma and M.D./M.S. courses shall be the Directorate General of Health Services, Ministry of Health and Family Welfare, Government of India. Furthermore, the Directorate General of Health

Services shall conduct the counselling for all Super specialty courses (D.M./M.Ch.) in Medical Educational Institutions of the Central Government, Medical Educational Institutions of the State Government, Deemed Universities, Universities established by an Act of Parliament, Universities established by an Act of State/Union Territory Legislature, Medical Educational Institutions established by Municipal Bodies, Trust, Society, Company or Minority Institutions.

3. In order to prevent seat blocking in common counseling for admission to Postgraduate Courses and permissibility to exercise fresh choice during Counseling, there shall be forfeiture of fees as decided by the counselling committee.
4. The HP State Centralized Counselling Committee of Atal Medical & Research University shall conduct counselling for state quota seats. The detailed process of counselling shall be published in the prospectus every year. On the day of Counselling, the allotment of available seats to the eligible candidates shall be made in order of merit on the basis of General combined merit drawn on the basis of ranking/ marks of NEET-PG of those candidates who have applied on the prescribed application form within stipulated time as published in the prospectus for admission to PG degree courses.

## **PERIOD OF TRAINING**

The period of training for the award of various postgraduate degrees or diplomas shall be as follows:

### **6.10.1 Doctor of Medicine (M.D.) / Master of Surgery (M.S.)**

The period of training for obtaining these degrees shall be three completed years including the period of examination.

Provided that in the case of students possessing a recognized two-year postgraduate diploma course in the same subject, the period of training, including the period of examination, shall be two year.

### **6.10.2 Doctor of Medicine (D.M.) / Master Chirurgiae (M.Ch.)**

The period of training for obtaining these Degrees shall be three completed years including the examination period.

### **6.10.3 Diplomas**

The period of training for obtaining a postgraduate Diploma shall be two completed years including the examination period.

### **Migration/transfer of postgraduate student from one medical institution to another.**

Under no circumstance, Migration/transfer of student undergoing any Post Graduate Degree/ Diploma / Super Specialty course shall be permitted by any University/

Authority.

## **6.11 Departmental training Facilities**

A department having an independent academic identity in a teaching institution, comprising of one or more units, having prescribed strength of faculty, staff and teaching beds shall be recognized for Post Graduate training.

### **6.11.1 Staff – Faculty**

- (a) A clinical department or its unit training candidates for Broad or Super Specialities, shall have a minimum of three full time faculty members belonging to the concerned disciplines of whom one shall be a Professor, one Associate Professor and one Asstt. Professor, possessing requisite qualification and teaching experience prescribed by the Medical Council of India.

Provided that the second or subsequent unit may be headed by an Associate Professor along with two Assistant Professors.

Of these faculty members only those who possess a total of eight years teaching experience, of which at least five years teaching experience is as Assistant Professor gained after obtaining Post Graduate Degree, shall be recognised as Post Graduate teachers.

Further provided that no teacher shall be considered as a postgraduate teacher in any other institution during the period till the postgraduate course at the institute which has been granted permission considering him as a postgraduate teacher is recognized u/s 11(2) of the Indian Medical Council Act, 1956.

Minimum staff required (Broad speciality):

(First Unit)

1-Professor

1- Associate Professor

1- Assistant Professor

1- Senior Resident

2- Junior Residents

Remaining units of the department (in multi unit departments) can be headed by Professor or Associate Professor and remaining two faculties can be Assistant Professor in addition to one Senior Resident and two Junior Resident.

The above definition shall not apply to the Departments of Critical Care/ Departments with day care services such as Respiratory Medicine/ Dermatology Venereology Leprosy/ Ophthalmology/ Otorhinolaryngology etc.

- (b) In a Department, training candidates for Super Speciality, there shall be a minimum of three faculty members with requisite Post Graduate qualification and experience, one shall be Professor, One Associate Professor and one Assistant Professor. Provided that the second or subsequent unit may be headed by an Associate Professor along with two Assistant Professors.

Of these only those faculty members who possess eight years teaching experience of which at least five years teaching experience is as Assistant Professor or above gained after obtaining the Post Graduate degree shall be recognised as Post Graduate teachers :

Further provided that no teacher shall be considered as a postgraduate teacher in any other institution during the period till the postgraduate course at the institute which has been granted permission considering him as a postgraduate teacher is recognized u/s 11(2) of the Indian Medical Council Act, 1956.

Minimum staff required (Super-speciality): (First Unit)

1-Professor

1- Associate Professor.

1- Assistant Professor

1-Senior Resident

2- Junior Resident

Other units may be headed by Professor or Associate Professor and remaining two faculties can be Assistant Professor in addition to one Senior Resident and two Junior Resident.

- (c) In addition to the faculty staff, the strength of Residents/ Tutors, as well as technical and other para medical staff shall be as per the staff strength prescribed for 50 or 100 or 150 students in the “Minimum Requirements for 50/100/150 MBBS Admissions Annually Regulations.

#### **6.11.2 Minimum requirements for a Post Graduate institution :**

- (a) An institution conducting both Undergraduate and Post Graduate teaching shall fulfil the prescribed minimum requirements for undergraduate training and also additional requirements for Post Graduate training depending on the type of work being carried out in the Department. The additional staff required to be provided in following Departments shall be as under :-

**1) Department of Pathology**

i)	Associate Professor	1
ii)	Assistant Professor	1
iii)	Tutor/ Demonstrator	1

**2) Department of Radiodiagnosis**

i)	Associate Professor	1
ii)	Assistant Professor	1
iii)	Senior Resident	1

**3) Department of Anaesthesiology**

i)	Associate Professor	1
ii)	Assistant Professor	1
iii)	Senior Resident	1

**6.11.3 Bed Strength in Clinical Departments**

A Department to be recognised for training of Post Graduate students, shall have at least 60 (Sixty) beds each of General Medicine, General Surgery, Obstetrics and Gynecology and 30 (thirty) beds each for others specialties for Degree and Diploma courses, and 20 (twenty) beds each in case of Super Specialty courses.

**Explanation:** A unit shall consist of not less than 30 and more than 40 beds for Degree/Diploma courses and not less than 20 and more than 30 beds for Super Specialty courses respectively.

**6.11.4 Out – patient departments**

There shall be adequate space and sufficient number of examination cubicles available in the out – patient Department. Besides the general outpatient services, Speciality Clinics shall also be available for the training of post-graduate students in the relevant broad and super speciality.

To determine the number of students who may be admitted for training, outpatient attendance, work turnover and ambulatory care also have to be taken into consideration.

**6.11.5 Laboratory Facilities**

The institution shall have adequate laboratory facilities for the training of the Post Graduate students, and such laboratories shall provide all the investigative facilities required and shall be regularly updated keeping in view the advancement of knowledge and technology and research requirements, and for training of students in non-clinical departments, proper and contemporary laboratory facilities shall be made available.

#### **6.11.6 Equipment**

The department shall have adequate number of all such equipment's including the latest ones necessary for training and as may be prescribed by the NMC for each speciality from time to time.

#### **6.12. Number of Post Graduate Students to be admitted**

- 12.1 The ratio of recognized postgraduate teacher to the number of students to be admitted for the degree course where diploma is not prescribed shall be 1:2 for a Professor and 1:1 for other cadre covered by the general note following this rule in each unit per year subject to a maximum of 5 PG seats for the degree per unit per academic year provided a complement of 10 teaching beds is added to the prescribed bed strength of 30 for the unit for broad specialties.

Provided that in Public funded Government Medical Colleges the teacher: student ratio shall be 1:3 for Professor and 1:2 for Associate Professor if the Associate Professor is a unit head, in all clinical subjects.

Further in case of Anesthesiology, Forensic Medicine, Radiation Oncology and Psychiatry where the ratio of recognized postgraduate teacher to the number of students to be admitted for the degree course where diploma is not prescribed shall be 1:3 for a Professor and 1:1 for other cadre covered by the general note following this rule.

Provided further that in non-governmental Medical Institution, the application for increase of seats on the basis of said ratio shall be considered only if the Institute:-

1. Has a standing of 15 years
2. Should be running the Postgraduate course since 10 years
3. Should have completed at least 1 continuance of recognition assessment satisfactorily and
4. Applies u/s 10A of the Indian Medical Council Act, 1956 for increase of seats which would be granted only after physical verification of faculty, resident, clinical material and infrastructural facilities etc.

- 12.2 The ratio of recognized postgraduate teacher to the number of students to be admitted for the degree course in broad specialties where diploma is prescribed shall be 1:2 for a Professor and 1:1 for other cadre covered by the general note in each unit per year subject to a maximum of 5 PG seats including diploma per unit per academic year provided a complement of 10 teaching beds is added to the prescribed bed strength of 30 for the unit.

Provided that in Public funded Government Medical Colleges the teacher: student ratio shall be 1:3 for Professor and 1:2 for Associate Professor if the Associate Professor is a unit head, in all clinical subjects.



Further in case of Anesthesiology, Forensic Medicine, Radiotherapy and Psychiatry where the ratio of recognized postgraduate teacher to the number of students to be admitted for the degree course where diploma is prescribed shall be 1:3 for a Professor and 1:1 for other cadre covered by the general note following this rule.

- 12.3 The requirement of units and beds shall not apply in the case of Postgraduate degree or diploma courses in Basic and para- clinical departments.

Provided that against the very same units, teaching personnel and infrastructure, no other postgraduate courses under any other body like National Board of Examinations, College of Physicians & Surgeons, etc. are permitted.

Provided that the additional complement of 10 beds in the unit is to be made applicable only when the allocation by higher teachers students ratio of 1:2 in the case of a Professor result in awarding 5 postgraduate seats in degree/diploma courses in the unit, further clarification that the strength of 30 beds per unit as prescribed in the present regulations, will be considered adequate up to total 3 postgraduate seats in degree/diploma courses.

- 12.4 The ratio of PG teacher to be number of students to be admitted for super specialties course shall be 1:2 for Professor/Assoc. Professor and 1:1 for remaining cadre covered by the general note following this rule in each unit per year subject to a maximum 5 PG seats for the course per unit per academic year provided the complement of 10 teaching beds per seat is added to the prescribed bed strength of 20 for the unit. The Strength of 20 beds per unit as prescribed in the present regulations, will be considered adequate up to total 4 postgraduate seats in D.M./M.Ch. courses.

Further in case of full fledged dedicated department of medical oncology and surgical Oncology the ratio of PG teacher to the number of students to be admitted shall be 1:3 for Professor, for Assoc. Professor 1:2 and 1:1 for remaining cadre covered by the general note following this rule in each unit per year subject to academic year provided a bed strength of 30 for the unit for super specialties.

Provided that against the very same units, teaching personnel and infrastructure, no other postgraduate courses under any other body like National Board of Examinations, College of Physicians & Surgeons etc. are permitted.

**General Note:**

**For Associate Professor:-** If an Associate Professor fulfills all the eligibility criteria for the post of Professor as laid down in the National Medical Commission of India Regulations, namely “Minimum Qualification for Teachers in Medical institutions, Regulations, 1998”, and fulfils all the requirement of postgraduate teacher as per Postgraduate Medical Education Regulations, (Amendment) but has not been promoted to the higher post due to administrative non- availability of post or delay in

filling up of post in the Govt. organization if he/she continue to work at the same government organization then such postgraduate teacher shall be allotted 2 (two) postgraduate students.

**For Assistant Professor:-** If an Assistant Professor fulfils all the requirements of Postgraduate Teacher as per Postgraduate Medical Education Regulations, 2000 as amended, he shall be considered a Postgraduate teacher and shall be allotted 1 (one) Postgraduate student.

### **6.13 TRAINING PROGRAMME**

- 6.13.1 The training given with due care to the Post Graduate students in the recognised institutions for the award of various Post Graduate medical degrees / diplomas shall determine the expertise of the specialist and/ or medical teachers produced as a result of the educational programme during the period of stay in the institution.
- 6.13.2 All the candidates joining the Post Graduate training programme shall work as 'Full Time Residents' during the period of training and shall attend not less than 80% (Eighty percent) of the imparted training during Academic Term of 6 months including assignments, assessed full time responsibilities and participation in all facets of the educational process.
- 6.13.3 The Post Graduate students undergoing Post Graduate Degree/ Diploma/ Super-Specialty courses shall be paid stipend on par with the stipend being paid to the Post-Graduate students of State Government Medical Institutions/ Central Government Medical Institutions/ Central Government Medical Institutions, in the State/Union Territory where the institution is located.
- 6.13.4 The postgraduate student shall be entitled to a total of 30 leaves in an academic year. These leaves shall be availed in the respective Academic year and shall not be carried forward. The GDO postgraduate students shall be entitled to the leaves due and admissible to them but they will be eligible to appear in final university examinations only if they complete the minimum attendance requirements for every academic year.

#### **6.13.5 Conduct of programme**

- (a) Every institution undertaking Post Graduate training programme shall set up an Academic cell or a curriculum committee, under the chairmanship of a senior faculty member, which shall work out the details of the training programme in each speciality in consultation with other department faculty staff and also coordinate and monitor the implementation of these training Programmes.
- (b) The training programmes shall be updated as and when required. The structured training programme shall be written up and strictly followed, to enable the examiners to determine the training undergone by the candidates and the Medical Council of India inspectors to assess the same at the time of inspection.
- (c) Post Graduate students shall maintain a record (log) book of the work carried out by them and the training programme undergone during the period of training including

details of surgical operations assisted or done independently by M.S./M.Ch. candidates.

- (d) The Record (Log) Books shall be checked and assessed periodically by the faculty members imparting the training.

6.13.6 During the training for award of Degree / Superspecialty/Diploma in clinical disciplines, there shall be proper training in Basic medical sciences related to the disciplines concerned; so also in the applied aspects of the subject; and allied subjects related to the disciplines concerned. In the Post Graduate training programmes including both Clinical and Basic medical sciences, emphasis has to be laid on Preventive and Social aspects. Emergency care, facilities for Autopsies, Biopsies, Cytopsies, Endoscopy and Imaging etc. shall also be made available for training purposes.

6.13.7 The Post Graduate students shall be required to participate in the teaching and training programme of undergraduate students and interns.

6.13.8 Training in Medical Audit, Management, Health Economics, Health Information System, basics of statistics, exposure to human behavior studies, knowledge of pharmaco – economics and introduction to non- linear mathematics shall be imparted to the Post Graduate students.

6.13.9 Implementation of the training programmes for the award of various Post Graduate Degree and Diplomas shall include the following:-

**(a) Doctor of Medical (M.D.) / Master of surgery (M.S.)**

**(i) Basic Medical Sciences** – The teaching and training of the students shall be through Lectures, Seminars, Journal Clubs, Group Discussions, Participation in laboratory and experimental work, and involvement in Research Studies in the concerned speciality and exposure to the ‘Applied aspects’ of the subject relevant to clinical specialities.

**(ii) Clinical disciplines**

The teaching and training of the students shall include graded responsibility in the management and treatment of patients entrusted to their care; participation in Seminars, Journal Clubs, Group Discussions, Clinical Meetings, Grand Rounds, and Clinico-Pathological Conferences; practical training in Diagnosis and Medical and Surgical treatment; training in the Basic Medical Sciences, as well as in allied clinical specialities.

**(b) Doctor of Medicine (D.M.) / Magister Chirurgiae (M.Ch.)**

as for M.D./ M.S. in clinical disciplines; with practical training including advanced Diagnostic, Therapeutic and Laboratory techniques, relevant to the subject of specialization. Postgraduate Degree/ Diploma/ Superspecialty Residents in Surgical Specialties shall participate in Surgical operations as well.

### **(c) Diplomas**

The teaching and training of the students shall include graded clinical responsibility; Lectures, Seminars, Journal Clubs, Group Discussions and participation in Clinical and Clinico-Pathological Conferences, practical training to manage independently common problems in the specialty; and training in the Basic Medical Sciences.

- 6.13.10 A postgraduate student of a postgraduate degree course in broad specialties/super specialties would be required to present one poster presentation, to read one paper at a national/state conference and to present one research paper which should be published/accepted for publication/sent for publication during the period of his postgraduate studies so as to make him eligible to appear at the postgraduate degree examination.

### **6.14 Examinations**

Obtaining a minimum of 40% marks in each theory paper and not less than 50% cumulatively in all the four papers for degree examinations and three papers in diploma examination. Obtaining of 50% marks in Practical examination shall be mandatory for passing the examination as a whole in the said degree/diploma examination as the case may be.

#### **Examiners**

- (a) All the Post Graduate Examiners shall be recognised Post Graduate Teachers holding recognised Post Graduate qualifications in the subject concerned.
- (b) For all Post Graduate Examinations, the minimum number of Examiners shall be four, out of which at least two (50%) shall be External Examiners, who shall be invited from other recognized universities from outside the State. Two sets of internal examiners may be appointed one for M.D./M.S. and one for diploma.
- (c) Under exceptional circumstances, examinations may be held with 3 (three) examiners provided two of them are external and Medical Council of India is intimated the justification of such action prior to publication of result for approval. Under no circumstances, result shall be published in such cases without the approval of Medical Council of India.
- (d) The examining authorities may follow the guidelines regarding appointment of examiners given below.

#### **6.14.1 Post Graduate Examination Guidelines On Appointment Of Post Graduate Examiners**

- 1. No person shall be appointed as an internal examiner in any subject unless he/she has three years experience as recognized PG teacher in the concerned subject. For external examiners, he/she should have minimum six years of experience as recognized PG teacher in the concerned subject.
- 2. There shall be at least four examiners in each subject at an examination out of which

at least 50% (Fifty percent) shall be external examiners. The external examiner who fulfils the condition laid down in clause – 1 above shall ordinarily be invited from another recognised university, from outside the State: provided that in exceptional circumstances examinations may be held with 3 (three) examiners if two of them are external and Medical Council of India is intimated with the justification of such examination and the result shall be published in such a case with the approval of Medical Council of India” is substituted by the sentence “The result in such a case shall be published with the approval of Medical Council of India.

3. An external examiner shall ordinarily be appointed for not more than two consecutive terms.
4. The internal examiner in a subject shall not accept external examinership for a college from which external examiner is appointed in his subject.
5. There shall be a Chairman of the Board of paper – setters who shall be an external examiner and shall moderate the question papers.

Where there is more than one center of examination, there shall be Co-ordinator/Convener/Chairman who shall be the Senior most internal Examiner, appointed by the University and shall supervise and Co-ordinate the examination on behalf of the University with independent authority.

#### **6.14.2 Number of candidates**

The maximum number of candidates to be examined in Clinical / practical and Oral on any day shall not exceed eight for M.D./M.S. degree, eight for diploma and three for D.M./M.Ch examinations.

#### **6.14.3 Number of examinations**

The University shall conduct not more than two examinations in a year, for any subject, with an interval of not less than 4 and not more than 6 months between the two examinations.

### **I. Doctor of Medicine (M.D.)/Master of Surgery (M.S.)**

M.D./M.S. examinations, in any subject shall consist of Thesis, Theory Papers, and clinical/Practical and Oral examinations.

#### **(a) Thesis**

Every candidate shall carry out work on an assigned research project under the guidance of a recognised Post Graduate Teacher, the result of which shall be written up and submitted in the form of a Thesis.

Work for writing the Thesis is aimed at contributing to the development of a spirit of enquiry, besides exposing the candidate to the techniques of research, critical analysis, acquaintance with the latest advances in medical science and the manner of identifying and consulting available literature.

Thesis shall be submitted at least six months before the Theory and Clinical / Practical examination.

The thesis shall be examined by a minimum of three examiners; one internal and two external examiners, who shall not be the examiners for Theory and Clinical examination. A candidate shall be allowed to appear for the Theory and Practical/Clinical examination only after the acceptance of the Thesis by the examiners.

**(b) Theory**

- (i) There shall be four theory papers. Out of these one shall be of Basic Medical Sciences and one shall be of recent advances.
- (ii) The theory examinations shall be held well in advance before the Clinical and Practical examination, so that the answer books can be assessed and evaluated before the commencement of the Clinical/Practical and Oral examination.

**(c) Clinical / Practical and Oral**

- (i) Clinical examination for the subjects in Clinical Sciences shall be conducted to test the knowledge and competence of the candidates for undertaking independent work as a specialist/Teacher, for which candidates shall examine a minimum one long case and two short cases.
- (ii) Practical examination for the subjects in Basic Medical Sciences shall be conducted to test the knowledge and competence of the candidates for making valid and relevant observations based on the experimental/Laboratory studies and his ability to perform such studies as are relevant to his subject.
- (iii) The Oral examination shall be thorough and shall aim at assessing the candidate knowledge and competence about the subject, investigative procedures, therapeutic technique and other aspects of the speciality, which form a part of the examination.

A candidate shall secure not less than 50% marks in each head of passing which shall include (1) Theory, (2) Practical including clinical and viva voce examination. Doctor of Medicine (D.M.)/Magister of Chirurgiae (M,Ch.).

**II. Doctor of Medicine (D.M.)/Magister of Chirurgiae (M,Ch.)**

The Examination consists of: (i) Theory and (ii) Clinical/Practical and Oral.

**(a) Theory**

There shall be four theory papers, one paper out of these shall be on 'Basic Medical Sciences', and another paper on 'Recent Advances'. The theory examination shall be held in advance before the Clinical and Practical examination, so that the answer books can be assessed and evaluated before the commencement of the clinical/Practical and Oral examination.

**(b) Clinical / Practical and Oral**

Practical examination may consist of carrying out special investigative techniques for Diagnosis and Therapy. M.Ch candidates shall also be examined in surgical procedures. Oral examination shall be comprehensive enough to test the candidate's overall knowledge of the subject.

A candidate shall secure not less than 50% marks in each head of passing which shall include (1) Theory (2) Practical including clinical and viva voce examination.

### **III Post Graduate Diploma**

Diploma examination in any subject shall consist of Theory, Practical/ Clinical and Oral.

#### **(a) Theory**

There shall be three 'Theory' papers, one paper out of these shall be on 'Basic Medical Sciences'. The theory of examination will be held well in advance before the Clinical examination, so that the answer books can be assessed before the commencement of the Practical / Clinical and Viva-Voce examination.

#### **(b) Clinical and Oral**

Clinical examination for the subject in clinical Science shall be conducted to test / aimed at assessing the knowledge and competence of the candidate for undertaking independent work as a Specialist / Teacher for which a candidate shall examine a minimum of one long case and two short cases.

The oral examination shall be thorough and shall aim at assessing the candidate's knowledge and competence about the subject, investigative procedures, therapeutic technique and other aspects of the speciality, which shall form a part of the examination.

The candidate shall secure not less than 50% marks in each head of passing which shall include (1) Theory (2) Practical including clinical and viva voce examinations.

- *The undergraduate curriculum as approved and notified by the National Medical Commission (NMC) will be followed strictly.*
- *The internship training programme will also be adopted by the university as per the NMC notification.*

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**CHAPTER-VII**  
**FACULTY OF DENTAL SCIENCES**  
**Regulations for the Degree of Bachelor of Dental Surgery**  
**ADMISSION, SELECTION, COUNSELLING AND MIGRATION**

**1. Admission to the Dental Course –**

**I. General Eligibility Criteria:**

Candidate shall be allowed to be admitted to the Dental Curriculum of first Bachelor of Dental Surgery (BDS) Course through centralized counseling in Government Dental Colleges including State Quota Seats in Private un-aided Dental Colleges situated in Himachal Pradesh

- i. He/she shall complete the age of 17 years on or before 31<sup>st</sup> December of the year of admission to the BDS course
- ii. He/She has obtained a minimum of marks in National Eligibility-cum-Entrance Test as prescribed in sub-regulation 5 of Regulation II under the heading “**Selection of students:**”
- iii. In order to be eligible to take National Eligibility-cum-Entrance Test he/she has passed qualifying examination as under-
  - a. The higher secondary examination or the Indian School Certificate Examination which is equivalent to 10+2 Higher Secondary Examination after a period of 12 years study, the last two years of study comprising of Physics, Chemistry, Biology and Mathematics or any other elective subjects with English at a level not less than the core course for English as prescribed by the National Council for Educational Research and Training after the introduction of the 10+2+3 years educational structure as recommended by the National Committee on education;

**Note:** Where the course content is not as prescribed for 10+2 education structure of the National Committee, the candidates will have to undergo a period of one year pre- professional training before admission to the dental colleges;

or

- b. The intermediate examination in science of an Indian University/Board or other recognised examining body with Physics, Chemistry and Biology which shall include a practical test in these subjects and also English as a compulsory subject;

or

- c. The pre-professional/pre-medical examination with Physics, Chemistry and Biology, after passing either the higher secondary school examination, or the pre-university or an equivalent examination. The pre-professional/pre-medical examination shall include a practical test in Physics, Chemistry and Biology and also English as a compulsory subject;

or

- d. The first year of the three years degree course of a recognized university,



with Physics, Chemistry and Biology including a practical test in three subjects provided the examination is a "University Examination" and candidate has passed 10+2 with English at a level not less than a core course;

or

- e. B.Sc examination of an Indian University, provided that he/she has passed the B.Sc examination with not less than two of the following subjects Physics, Chemistry, Biology (Botany, Zoology) and further that he/she has passed the earlier qualifying examination with the following subjects-Physics, Chemistry, Biology and English.

or

- f. Any other examination which, in scope and standard is found to be equivalent to the intermediate science examination of an Indian University/Board, taking Physics, Chemistry and Biology including practical test in each of these subjects and English.

4. 3% seats of the annual sanctioned intake capacity shall be filled up by candidates with locomotory disability of lower limbs between 50% to 70%

Provided that in case any seat in this 3% quota remains unfilled on account of unavailability of candidates with locomotory disability of lower limbs between 50% to 70% then any such unfilled seat in this 3% quota shall be filled up by persons with locomotory disability of lower limbs between 40% to 50% before they are included in the annual sanctioned seats for General Category candidates.

Provided further that this entire exercise shall be completed by each Dental College/ Institution as per the statutory time schedule for admissions.

## **II. Specific Criteria for eligibility:**

- A.** The following categories of candidates shall be eligible for the State Quota Seats:

- (i) The children of bonafide/domicile Himachalis who have passed at least two exams (out of middle or equivalent/matric or equivalent/10+1 or equivalent/10+2 or equivalent) from the recognized schools or colleges situated in the State of Himachal Pradesh and affiliated to ICSE/CBSE/HPBOSE or equivalent Boards/Universities established by law in India. Provided that the bonafide/domicile Himachalis students who are admitted to Navodya Schools situated in Himachal Pradesh and who have passed matric or +2 examinations under the exchange programme from other Navodya Schools in the Country shall also be eligible for admission to the above courses.
- (ii) The children of parents who are not bonafide/domicile Himachalis and who are Central Government employees (like those of All India Services/Central Civil Services) OR employees working within the State of Himachal Pradesh in Autonomous Bodies/ Institutions/ Organizations/ Semi Government Bodies established by Central/Other State Governments OR Serving Judges of the Hon'ble High Court of Himachal Pradesh OR Regular employees of Himachal Pradesh Government/H.P. Government Undertakings/Autonomous Bodies wholly owned by

Himachal Pradesh Government shall be eligible for admissions in State Quota seats subject to fulfillment of following conditions:-

- (a) The employee should be working for a period of continuous two years within the State of Himachal Pradesh in preceding four years on or before 1<sup>st</sup> January of the year of passing 10+2 examinations and;
  - (b) His or her child should have passed 10+1 (or equivalent) and 10+2 (or equivalent) from the recognized schools or colleges situated in the State of Himachal Pradesh and affiliated to ICSE/CBSE/HPBOSE or equivalent Boards/Universities established by law in India.
- (iii) Children of regular employees of Himachal Pradesh Government/H.P. Government Undertakings/Autonomous bodies wholly owned by Himachal Pradesh Government shall be exempted from the schooling condition for eligibility for State Quota seats subject to the fulfillment of following criteria: -
- a. Such employees have been holding posts outside Himachal Pradesh on or before 1<sup>st</sup> January of the year of passing 10+2 examinations for at least a continuous period of three years.
  - b. The children of bonafide Himachalis who are working with the Central Government/Undertakings or Autonomous bodies established by the Central Government shall be exempted from the schooling criteria to gain eligibility for admissions under State Quota Seats. Provided that such employees should be working/posted outside the State of Himachal Pradesh on or before 1<sup>st</sup> January of the year of passing 10+2 (or its equivalent) for at least a continuous period of three years.
  - c. The children of bonafide Himachalis who are working outside the State of Himachal Pradesh with other State Governments/Undertakings of Autonomous bodies established by other State Governments shall be eligible for State Quota Seats in the State of Himachal Pradesh provided that their child is not eligible for the State Quota in the State where their parents(s) work and a certificate to this effect duly issued and certified by the Director Medical Education of that State for the relevant academic year shall be required to be submitted.
  - d. The children of bonafide Himachalis who are serving in Indian Defence Services/ Ex-Serviceman/Para Military Forces shall be unconditionally exempted from the schooling criteria to gain eligibility for admissions under State Quota seats.

**Note :** 1. Candidates seeking admission under State Quota on the basis of eligibility criteria as defined above shall be considered only Unreserved category, as the seats under reserved categories are meant only for Bonafide/Domicile Himachali . Such candidates shall have to submit the certificate on the prescribed format as applicable.

2. Candidates claiming exemption for passing two exams from H.P School(s) under the eligibility criteria shall have to submit the certificates on the prescribed format as applicable.

### **B. Eligibility Criteria for Management Quota Seats**

The Management Quota Seats in Private un-aided Dental Colleges in the State of Himachal

Pradesh shall be filled up from the qualified candidates of NEET-UG in order of common merit drawn by the University for which there will be no condition of schooling and Bonafide Himachali/Domicile. Under this quota, both Himachali and Non-Himachali (Indian National) interested candidates can apply online for admission to BDS courses through Centralized Counselling subject to fulfillment of minimum educational qualification and age etc. as prescribed in the prospectus.

**Note:***(i) Candidates who do not fulfill the eligibility criteria as prescribed for State Quota Seats, will be considered only for Management Quota seats, if otherwise they are interested.*

**(a)** *The merit list of qualified candidates of NEET-UG-2019 who applied online to the University within stipulated period will only be drawn by the University and candidates those will not found qualified in NEET, their application forms will be rejected without any notice and names of such candidates shall not be included in the merit list. The application fee shall not be refunded in any case.*

## **2. Reservation for various categories:**

### **a. Criteria for Physically Handicapped (Benchmark Disabilities)**

Persons having benchmark disabilities have entitled for reservation under the Rights of Persons with Disability Act, 2016, 5% seats of the annual sanctioned intake capacity shall be filled up by candidates with benchmarked Disabilities in accordance with the provisions of the Rights of Persons with Disabilities Act, 2016 based on the merit of NEET-UG. For admission to BDS course, the specified disability as prescribed by the Dental Council of India vide letter No.DE-88(10)-M2-2018/9676 dated 13.2.2019 is available. If the seats reserved for the persons with disabilities in a particular category remain unfilled on account of unavailability of candidates, the seats should be included in the annual sanctioned seats for the respective category (Un-reserved). Candidates who will be considered themselves eligible for this category are advised to ensure their eligibility by getting themselves examined as per criteria laid down in the aforesaid from a duly constituted and authorized Medical Board of the Indira Gandhi Medical College & Hospital, Shimla or Dr. Rajendra Prasad Govt. Medical College & Hospital Kangra at Tanda. They are required to obtain the Disability Certificate from them and produce the same as per at the time of counselling. However, the said certificate should be issued within three months prior to 1<sup>st</sup> round of counselling for seeking admission to BDS courses for claiming the benefit of reservation as per requirement of the prospectus.

- b. **Children of Jammu & Kashmir migrants** will be required to apply for counseling/admission on the basis of the merit of the NEET-UG against the seats reserved for them. The candidates should possess only the minimum educational qualification and age as prescribed in the prospectus. Their merit shall be drawn in their own category. The number of seats reserved for children of J&K migrants in a college shall be decided by HP Government and published in Prospectus of that session.
- c. **Children of Tibetan Refugees** will be required to apply for counseling/admission on the basis of the merit of the NEET-UG against the seats reserved for them. The candidates should possess minimum educational qualifications and age as prescribed in the Prospectus and should be sponsored by Tibetan Govt. in Exile. However, their merit shall be drawn in their own category. The number of seats reserved for children of Tibetan Refugees in a college shall be decided by HP Government and published in Prospectus of that session.
- d. **All India Quota Seats Group-B:** These seats i.e. 15% in Govt. Dental Colleges shall be filled up on the basis of All India merit ranking of NEET-UG for which the online counseling will be conducted by the Directorate General of Health Services, Government of India, New Delhi for which the eligible candidates are advised to visit the website **www.mcc.nic.in**.
- e. **NRI Seats Under Group-B (ii):** The seats under this category shall be filled up by the Centralized Counselling Committee from the candidates who qualified in NEET-UG and fulfill the conditions as prescribed in the prospectus under para-11(x)(Definition of) for which the desirous candidates may apply online only. However, they must possess the minimum educational qualifications with required percentage of marks and age limit as prescribed in the prospectus. The selection will be made on the basis of merit/rank of NEET-UG by the Centralized Counselling Committee as per merit drawn under NRI category. **The NRI candidates will have to produce a certificate of equivalence of their qualifying examination clearly showing therein the subject-wise percentage of marks and stream duly issued by the Association of Indian Universities, AIU House, Kotla Marg, New Delhi-110002.** The number of seats reserved for NRIs in a college shall be decided by HP Government and published in Prospectus of that session.
- f. **BACKWARD AREA SEATS:** These seats are reserved for candidates belonging to backward areas as notified by the Himachal Pradesh Government from time to time in the following manner-
- i. Candidates belonging to the backward area must be permanent resident of that particular backward area and must have passed at least two examinations i.e.

primary/middle/matric/+1/+2 from the schools located in the backward area.

- ii. If no candidate as per (a) is available then a candidate belonging to backward areas will be considered.
- iii. In case no candidate as per (a) and (b) above is available for the backward area's seat, the same will go to general category candidate.
- iv. The candidate(s) who studied in non-backward area school and taken admission in backward area school during mid-session shall not be considered for admission against the backward area reserved seats.

### **3. Guidelines for availing reservations under various categories**

- (I) All the candidates under Group-A & B will have to apply amongst their own categories. The candidates of reserved categories (except children of J & K migrants, children of Tibetan Refugees and NRI), if selected, by virtue of their General Combined merit under Group-B (Unreserved) shall not exhaust the seats reserved for the reserved categories subject to fulfillment of eligibility criteria as prescribed for un-reserved category. However, the allotment of seats will be made college-wise depending upon the merit-cum-choice of the candidate(s) for the concerned college. Provided further that the reserved category candidates shall be entitled to admission on the basis of their own category merit as per option of the college for taking admission, where a specified number of seats have been kept reserved for them, when all the seats under Unreserved category by virtue of General Combined merit are filled-up in the respective Government Dental Colleges, as the case, may be.
- (II) A candidate wishing to be considered for a reserved seat, shall in his/her application form specify only one category of reserved seat for which he/she has applied for. He/she will not be permitted to change the category once indicated in his/her application form. Provided further that this will not prejudice his/her case for being selected against Group-B (Unreserved) seats by virtue of his/her merit.
- (III) Save as otherwise provided, unfilled seats from Group-A will be treated as un-reserved when the required number of the candidates are not found eligible as per rules of the prospectus and the same will be added to Group-B (i) un-reserved. Provided that in case of SC/ST categories, their seats would be inter-transferable, if eligible candidates are not available in either of the category.
- (IV) The unfilled seats, if any, of Children of J & K Migrants and Children of Tibetan Refugees shall be filled up from the candidates of Group-B (Unreserved) from the merit list drawn by

the University, as the case, may be, on the basis of the NEET-UG with the permission of the Director Medical Education & Research, H.P. However, the unfilled/surrendered seats of All India Quota, if any, shall be filled up from their respective categories under State Quota on the basis of the merit list drawn by Atal Medical & Research University H.P Mandi at Ner Chowk. In case of any vacancy, the Principal(s) of the concerned college(s) will send the requisition immediately to the Director Medical Education & Research H.P. who shall declare the seats vacant and send the specific intimation to the University for filling up such vacant seats from the merit drawn by the University through centralized counseling committee. The Principals of the colleges concerned will also endorse a copy of all such communication to the University. However, any further directions are received from the competent authorities to fill up the surrendered seats of All India Quota; the said seats shall be filled up accordingly from the State Merit.

- (V) The vacant/unfilled seats, if any, under NRI Quota shall be filled up on the basis of NEET-UG merit drawn by the Atal Medical & Research University H.P Mandi at Ner Chowk from amongst the qualifying candidates of Group-B (Unreserved) in order of merit subject to fulfillment of eligibility criteria as meant for State Quota seats. The fee structure shall be at par with State Quota Seats of Government's Dental Colleges.

#### 4. **Definitions of:**

- (i) **Bonafide Himachali Certificate:** The Bonafide Himachali Certificate issued by the competent authority on or after January 2012 shall only be acceptable.
- (ii) **Freedom Fighter** is a person as declared so by the H.P. Government 'Wards' means and includes Children/Grand Children (only from paternal side) of the Freedom Fighter.

Provided the benefits can also be extended to the sons/daughters (from maternal side) of a Freedom Fighter subject to the condition that the Freedom Fighter is/was not having a son. Under this category, the candidates are required to submit certificate on the prescribed format.

- (iii) **Backward area:** -The backward area as listed in the notification No. PLG- (BASP)-1/95 dated the 16th June 1995, issued by the Financial Commissioner-Cum-Secretary (Planning) Govt. of Himachal Pradesh or areas as may be notified to be Backward Areas by the Government of Himachal Pradesh from time to time. Under this category, the candidates are required to submit certificate on the prescribed format.

**"Ex-Serviceman"** means retired personnel of three wings of Armed Forces i.e. Army, Air Force and Navy, their widows/wards shall be applied under this category according to priority as mentioned for which they are required to produce a certificate as per of the prospectus

- (v) **“Defence Personnel”** means serving personnel of three wings of Armed Forces i.e. Army, Air Force and Navy, their wards shall be applied under this category according to priority as mentioned for which they are required to produce a certificate of the prospectus.
- (vi) **Single Girl Child** means parent having a single girl child without any sibling subject to fulfillment of eligibility criteria as prescribed for State Quota Seats. Under this, category, the candidate has to produce a certificate duly sign by the SDM/Executive Magistrate/Tehsildar.
- (vii) **Jammu & Kashmiri Migrants** means the person forced to leave Jammu & Kashmir due to terrorism and is residing or rehabilitated in other parts of country. However, they will have to produce a certificate duly issued by the competent authority i.e. District Magistrate/Deputy Commissioner of the area concerned.
- (viii) **Children of Tibetan Refugees** means wards of Tibetan Refugees sponsored by the Tibetan Government in Exile for which the candidates are required to submit the certificate on the prescribed format.
- (ix) **Economically Weaker Sections (EWSs)** means the persons who fulfilled the criteria as prescribed by Government of Himachal Pradesh Department of Personnel (AP-III) vide letter No.PER(AP)-C-B(12)-1/2019 dated 11.06.2019. As per aforesaid letter, the persons who are not covered under the scheme of reservation for SCs, STs, and OBCs and whose family has gross annual income below Rs.4.00 lakh (Rupees four lakh only) are to be identified as EWSs for benefit of reservation. Income shall also include income from all sources i.e. salary, agriculture, business, profession, etc. for the financial year prior to the year of application. Also persons whose family owns or possesses any of the following assets shall be excluded from being identified as EWS, irrespective of the family income; -
- (a) More than 1 hectare; of Agriculture Land in rural areas and 500 M<sup>2</sup> land in urban areas;
  - (b) Residential flat/house of more than 2500 square feet in rural/urban areas;
  - (c) Family of income tax payee;
  - (d) Family of Regular/Contract employees of the Central Government, State Government Board, Corporation and autonomous bodies and Public Sector Undertakings etc.

**Note:** The candidates claiming the benefit of reservation under EWSs category is required to submit the certificate on the prescribed format duly issued by the competent authority of the State of Himachal Pradesh.

- (x) **NRI students** means wards of Indian citizen residing abroad and who have passed their

qualifying examination i.e. 12<sup>th</sup> standard which is equivalent to 10+2 Higher/Senior Secondary Examination or any other examinations equivalent thereto with requisite subjects from the School/College/University situated in the abroad. Provided further that they must have to qualify in NEET-UG.

5. **Selection of Students:** The selection of students to dental college shall be based solely on merit of the candidate.

A. Procedure for selection to BDS course shall be as follows:-

- i. There shall be a single eligibility-cum-entrance examination namely “National Eligibility-cum- Entrance Test for admission to BDS course” in each academic year.”
- ii. In order to be eligible for admission to BDS Course for a particular academic year, it shall be necessary for a candidate to obtain minimum of marks of 50<sup>th</sup> percentile in ‘National Eligibility- cum-Entrance Test to BDS course’ held for the said academic year. However, in respect of candidates belonging to Scheduled Castes, Scheduled Tribes, Other Backward Classes, the minimum marks shall be at 40<sup>th</sup> percentile. In respect of candidates with locomotory disability of lower amendments, the minimum marks shall be at 45<sup>th</sup> percentile. The percentile shall be determined on the basis of highest marks secured in the All-India common merit list in “National Eligibility-cum-Entrance Test for admission to BDS course.” Provided when sufficient number of candidates in the respective categories fail to secure minimum marks as prescribed in National Eligibility-cum-Entrance Test held for any academic year for admission to BDS Course, the Central Government in consultation with Dental Council of India may at its discretion lower the minimum marks required for admission to BDS Course for candidates belonging to respective categories and marks so lowered by the Central Government shall be applicable for the said academic year only.
- iii. No Candidate who has failed to obtain the minimum eligibility marks as prescribed in Clause (ii.) above shall be admitted to BDS course in the said academic year.
- iv. All admissions to BDS course within the respective categories shall be based solely on marks obtained in the National Eligibility-cum-Entrance Test.
- v. To be eligible for admission to BDS Course, a candidate must have passed in the subjects of Physics, Chemistry, Biology/Biotechnology and English individually and must have obtained a minimum of 50% marks taken together in Physics, Chemistry and Biology/Biotechnology at the qualifying examination as mentioned in Sub-regulation 2 of Regulation I and in addition must have come in the merit list of “National Eligibility-cum-Entrance Test” for admission to BDS course. In respect of candidates belonging to Scheduled Castes, Scheduled Tribes or



other Backward Classes the minimum marks obtained in Physics, Chemistry and Biology/Bio-technology taken together in qualifying examination shall be 40% instead of 50%. In respect of candidates with locomotory disability of lower limbs in terms of sub-regulation 4, after the commencement of these amendments, of Regulation 1 above, the minimum marks in qualifying examination in Physics, Chemistry and Biology/Bio-technology taken together in qualifying examination shall be 45% instead of 50%.

Provided that a candidate who has appeared in the qualifying examination the result of which has not been declared, he/she may be provisionally permitted to take up the National Eligibility-cum-Entrance Test and in case of selection for admission to the BDS course, he/she shall not be admitted to that course until he fulfills the eligibility criteria under Regulation 1.

- vi. The Central Board of Secondary Education shall be the organization to conduct National Eligibility-cum-Entrance Test for admission to BDS course.

#### **B. A Common Counselling.**

- i. There shall be a common counselling for admission to BDS course in all dental educational institutions on the basis of merit list of the National Eligibility-cum-Entrance Test.
- ii. The designated authority for counselling for the 15% All India Quota seats of the contributing States and all BDS seats of Dental Education Institutions of the Central Government universities established by an Act of Parliament and the Deemed Universities shall be the Directorate General of Health Services, Ministry of Health and Family Welfare, Government of India.
- iii. The counselling for admission to BDS course in the state of Himachal Pradesh shall be conducted by Atal Medical and Research University, Mandi at Ner Chowk
- iv. In case any dispute arises on such common counselling, the respective State Government shall refer the matter to the Central Government and its decision shall be final, in this regard.

#### **6. Duration of the Course**

The undergraduate dental programme leading to BDS Degree shall be of 4 (four) Academic years with 240 teaching days in each academic year, plus one year paid rotating Internship in a dental college. Every candidate will be required, after passing the final BDS Examination to undergo one year paid rotating internship in a dental college. The internship shall be compulsory and BDS Degree shall be granted after completion of one year paid Internship.

## **7. Migration**

- (1) Migration from one dental college to other is not a right of a student. However, migration of students from one dental college to another dental college in India may be considered by the Dental Council of India. Only in exceptional cases on extreme compassionate ground\*, provided following criteria are fulfilled. Routine migrations on other ground shall not be allowed.
- (2) Both the colleges, i.e. one at which the student is studying at present and one to which migration is sought, are recognized/ permitted by the Dental Council of India.
- (3) The applicant candidate should have passed first professional BDS examination.
- (4) The applicant candidate shall submit his application for migration, complete in all respects, to the Director Medical Education & Research, Himachal Pradesh, in case the Dental College in which migration is desired is situated in Himachal Pradesh and to the Director Medical Education & Research of concerned state in case the Dental College is situated outside Himachal Pradesh.
- (5) The application for migration should be submitted within a period of one month of passing (declaration of results) the first professional Bachelor of Dental Surgery (BDS) examination.
- (6) The applicant candidate must submit an affidavit stating that he/she will pursue 240 days of prescribed study before appearing at IInd professional Bachelor of Dental Surgery (BDS) examination at the transferee dental college, which should be duly certified by the Registrar of Atal Medical & Research University/ the concerned University in which he/she is seeking transfer. The transfer will be applicable only after receipt of the affidavit.

### **Note 1:**

- (i) Migration is permitted only in the beginning of IInd year BDS Course in recognized Institution.
- (ii) All applications for migration shall be referred to Dental Council of India by the DMER/ College authorities. No Institution/University shall allow migrations directly without the prior approval of the Dental Council.

### **Note 2:** \*Compassionate ground criteria:

- (i) Death of supporting guardian.
- (ii) Disturbed conditions as declared by Government in the Dental College area.

## **8. Attendance requirement, Progress and Conduct**

- (i) 75% in theory and 75% in practical/clinical in each year.
- (ii) In case of a subject in which there is no examination at the end of the academic year/semester, the percentage of attendance shall not be less than 7%.
- (iii) However, at the time of appearing for the professional examination in the subject, the aggregate percentage of attendance in the subject should satisfy condition (i) above.

## **9. Subjects of Study:**

### **First Year**

- i) General Human Anatomy including Embryology and Histology
- ii) General Human Physiology and Biochemistry, Nutrition and Dietetics
- iii) Dental Anatomy, Embryology and Oral Histology
- iv) Dental Materials
- v) Pre-clinical Prosthodontics and Crown & Bridge
- vi) Environmental Study

### **Second Year**

- i) General Pathology and Microbiology
- ii) General and Dental Pharmacology and Therapeutics
- iii) Dental Materials
- iv) Pre clinical Conservative Dentistry
- v) Pre clinical Prosthodontics and Crown & Bridge
- vi) Oral Pathology & Oral Microbiology

### **Third Year**

- i) General Medicine
- ii) General Surgery
- iii) Oral Pathology and Oral Microbiology
- iv) Conservative Dentistry and Endodontics
- v) Oral & Maxillofacial Surgery
- vi) Oral Medicine and Radiology
- vii) Orthodontics & Dentofacial Orthopaedics
- viii) Paediatric & Preventive Dentistry
- ix) Periodontology
- x) Prosthodontics and Crown & Bridge

### **Fourth Year**

- i) Orthodontics & dentofacial orthopaedics
- ii) Oral Medicine & Radiology
- iii) Paediatric & Preventive Dentistry
- iv) Periodontology
- v) Oral & Maxillofacial Surgery
- vi) Prosthodontics and Crown & Bridge
- vii) Conservative Dentistry and Endodontics
- viii) Public Health Dentistry

## **EXAMINATIONS**

### **I. PREFACE:**

(A) Evaluation is a continuous process, which is based upon criteria developed by the concerned authorities with certain objectives to assess the performance of the learner. This also indirectly helps in the measurement of effectiveness and quality of the concerned B.D.S. programme.

(B) Evaluation is achieved by two processes

1. Formative or internal assessment
2. Summative or university examinations.

Formative evaluation is done through a series of tests and examinations conducted periodically by the institution.

Summative evaluation is done by the university through examination conducted at the end of the specified course.

### **II. METHODS OF EVALUATION:**

Evaluation may be achieved by the following tested methods:

1. Written test
2. Practicals
3. Clinical examination
4. Viva voce

### **INTERNAL ASSESSMENT EXAMINATION**

The continuing assessment examinations may be held frequently at least 3 times in a particular year and the average marks of these examinations should be considered. 10% of the total marks in each subject for both theory, practical and clinical examination separately should be set aside for the internal assessment examinations.

### **SCHEME OF EXAMINATION**

- I. The Scheme of Examination for BDS Course shall be divided into 1<sup>st</sup> BDS examination at the end of the first academic year, 2<sup>nd</sup> BDS examination at the end of second year, 3<sup>rd</sup> BDS examination at the end of third, 4<sup>th</sup> and final BDS at the end of 4<sup>th</sup> year. 240 days minimum teaching in each academic year is mandatory.
- II. The examination shall be open to a candidate who satisfies the requirements of attendance progress and other rules laid down by AMRU.

### **Ist B.D.S. Examination:**

1. General anatomy including embryology and histology

2. General human physiology and biochemistry
3. Dental Anatomy, Embryology and Oral Histology
4. Environmental Study

#### **IInd B.D.S. Examination:**

A candidate who has not successfully completed the 1<sup>st</sup> B.D.S. examination can not appear in the IInd year Examination.

1. General pathology and Microbiology
2. General and dental pharmacology and therapeutics
3. Dental Materials
4. Pre Clinical Conservative – Only Practical and Viva Voce
5. Pre Clinical Prosthodontics – Only Practical and Viva Voce

#### **IIIrd B.D.S. Examination:**

A candidate who has successfully completed the 2<sup>nd</sup> B.D.S. examination can appear in 3<sup>rd</sup> B.D.S. Examination.

1. General Medicine
2. General Surgery
3. Oral Pathology and Oral Microbiology

#### **Final BDS (Fourth Year):**

A candidate who has successfully completed the 3<sup>rd</sup> B.D.S. examination can appear in final B.D.S. Examination.

1. Public Health Dentistry
2. Periodontology
3. Orthodontics and Dentofacial Orthopaedics
4. Oral Medicine and Radiology
5. Oral & Maxillofacial Surgery
6. Conservative Dentistry and Endodontics
7. Prosthodontics and Crown & Bridge
8. Paediatric and Preventive Dentistry

Note: Any candidate who fails in one subject in an Examination is permitted to go to the next

higher class and appear for the subject and complete it successfully before he is permitted to appear for the next higher examination. He/ She shall be allowed provisionally to attend classes of next year till the supplementary examination.

Note 2: Any student who does not clear the BDS Course in all the subjects within a period of 9 years, including one year Compulsory Rotatory paid Internship from the date of admission shall be discharged from the course.

### **WRITTEN EXAMINATION:**

1. The medium of examination shall be English.
2. The written examination in each subject shall consist of one paper of three hours duration and shall have maximum marks of 70.
3. In the subjects of Physiology & Biochemistry and Pathology & Microbiology each paper will be divided into two parts, A and B of equal marks.
4. The question paper should contain different types of questions like essay, short answer and objective type / M.C.Q's.
5. The nature of questions set, should be aimed to evaluate students of different standards ranging from average to excellent.
6. The questions should cover as broad an area of the content of the course. The essay questions should be properly structured and the marks specifically allotted.
7. AMRU may set up a question bank

### **PRACTICAL AND CLINICAL EXAMINATION:**

1. **Objective Structured Clinical Evaluation:** The clinical and practical examination should provide a number of chances for the candidate to express one's skills. A number of examination stations with specific instructions to be provided. This can include clinical procedures, laboratory experiments, spotters etc. Evaluation must be made objective and structured. The method of objective structured clinical examinations shall be followed. This will avoid examiner bias because both the examiner and the examinee are given specific instructions on what is to be observed at each station.
2. **Records/ Log Books:** The candidate shall be given credit for his records based on the scores obtained in the record. The marks obtained for the record in the first

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appearance can be carried over to the subsequent appearances if necessary.

3. **Scheme of clinical and practical examinations:** The specific scheme of clinical and practical examinations, the type of clinical procedures/ experiments to be performed and marks allotted for each are to be discussed and finalized by the Chairman and other examiners and it is to be published prior to the conduct of the examinations along with the publication of the time table for the practical examinations. This scheme should be brought to the notice of the external examiner as and when the examiner reports. The practical and clinical examinations should be evaluated by two examiners of which one shall be an external examiner appointed from other universities preferably outside the State. Each candidate should be evaluated by each examiner independently and marks computed at the end of the examination.
4. **Viva Voce:** Viva voce is an excellent mode of assessment because it permits a fairly broad coverage, and it can assess the problem-solving capacity of the student. An assessment related to the affective domain is also possible through viva voce. It is desirable to conduct the viva voce independently by each examiner. In order to avoid vagueness and to maintain uniformity of standard and coverage, questions can be pre-formulated before administering them to each student. Twenty marks are exclusively allotted for viva voce and that can be divided equally amongst the examiners, i.e., 10 marks per examiner.

## MARKS DISTRIBUTION IN EACH SUBJECT:

Each subject shall have a maximum of 200 marks. Theory 100 and Practical/ Clinical 100

Theory – 100		Practicals/ clinicals – 100	
University written exam	70	University Exam	90
Viva Voce	20		
Internal assessment (Written)	10	Internal assessment Written)	10
Total	----- 100 -----		----- 100 -----

### **Practical and Viva Voce Only in University Examination**

Pre-clinical Prosthodontics

Pre-clinical Conservative Dentistry.....

Internal Assessment	-	20
Practical	-	60
Viva Voce	-	20
		----- 100 -----

#### **Criteria for a pass:**

Fifty percent of the total marks in any subject computed as aggregate for theory, i.e., written, viva voce and internal assessment and practicals including internal assessment, separately is essential for a pass in all years of study.

For declaration of pass in a subject, a candidate shall secure 50% marks in the University examination both in Theory and Practical/ Clinical examinations separately, as stipulated below:

- A candidate shall secure 50% marks in aggregate in University theory including Viva Voce and Internal assessment obtained in University written examination combined together.
- In the University Practical/ clinical examination, a candidate shall secure 50% of University practical marks and Internal Assessment combined together.
- In case of pre clinical Prosthetic Dentistry and Pre clinical conservative dentistry in II BDS, where there is no written examination, minimum for



pass is 50% of marks in Practical and Viva voce combined together in University examination including Internal Assessment i.e. 50/100 marks.

- Successful candidates who obtain 65% of the total marks or more shall be declared to have passed the examination in First Class. Other successful candidates will be placed in Second Class. A candidate who obtains 75% and above is eligible for Distinction. Only those candidates who pass the whole examination in the first attempt will be eligible for distinction or class.

**Grace Marks:** Grace marks upto a maximum of 5 marks may be awarded to students who have failed only in one subject but passed in all other subjects.

**Re-totalling:** The University on application and remittance of a stipulated fee to be prescribed by the university, shall permit a recounting or opportunity to recount the marks received for various questions in an answer paper/ papers for theory of all subjects for which the candidate has appeared in the university examination. Any error in addition of the marks awarded if identified should be suitably rectified.

**Qualification and experience to be eligible for examinership for BDS examination**

1. M.D.S. Degree from a recognized Institution
2. 4 years teaching experience in the subject in a dental college after MD
3. Should be holding the post of a Reader or above in a Dental Institution approved/recognised by the Dental Council of India for B.D.S.

Note-

1. There shall be one external and one internal examiner for each subject of examination, to be appointed by the Vice-Chancellor on the recommendations of the Dean of Dental Sciences out of the panel of names suggested by the concerned Head of Department.
2. The internal examiner shall preferably be the Head of the Department concerned.
3. In case of Public Health Dentistry, as there is acute shortage of teachers one examiner from Public Health Dentistry and the second one could be from Periodontics. To be reviewed after three years.
4. In case of Physiology and Biochemistry if Internal examiner is from Physiology, External examiner should be from Biochemistry or vice versa
5. In case of Pathology and Microbiology if Internal examiner is from Pathology,

Externalexaminer should be from Microbiology or wise versa

6. In case of Dental Materials, if internal is from Prosthodontics, external should be fromConservative Dentistry and wise versa
7. 50% of Examiners appointed shall be external from Dental Institutions approved/recognised by the Dental Council of India for B.D.S. Course, from other University, preferably from outside the State.
8. Reciprocal arrangement of Examiners should be discouraged, in that, the Internal Examiner in a subject should not accept external examinership for a College from which External Examiner is appointed in his subject for the corresponding period.
9. No person shall be an external Examiner to the same University for more than 3 consecutive years. However, if there is a break of one year the person can be re-appointed.
10. “Minimum Physical Requirement and Minimum Staffing Pattern (as per DCI Regulations 2007).”

## **GOALS AND OBJECTIVES**

### **GOALS:**

The dental graduates during training in the institutions should acquire adequate knowledge, necessary skills and reasonable attitudes which are required for carrying out all activities appropriate to general dental practice involving the prevention, diagnosis and treatment of anomalies and diseases of the teeth, mouth, jaws and associated tissues. The graduate also should understand the concept of community oral health education and be able to participate in the rural health care delivery programmes existing in the country.

### **OBJECTIVES:**

The objectives are dealt under three headings (a) Knowledge and understanding (b) skills and (c) Attitudes.

#### **(A) KNOWLEDGE AND UNDERSTANDING:**

The graduate should acquire the following during the period of training.

1. Adequate knowledge of the scientific foundations on which dentistry is based and good understanding of various relevant scientific methods, principles of biological functions and be able to evaluate and analyses scientifically various established facts and data.

2. Adequate knowledge of the development, structure and function of the teeth, mouth and jaws and associated tissues both in health and disease and their relationship and effect on general state of health and also bearing on physical and social well being of the patient.
3. Adequate knowledge of clinical disciplines and methods which provide a coherent picture of anomalies, lesions and diseases of the teeth, mouth and jaws and preventive diagnostic and therapeutic aspects of dentistry.
4. Adequate clinical experience required for general dental practice.
5. Adequate knowledge of the constitution, biological function and behaviour of persons in health and sickness as well as the influence of the natural and social environment on the state of health in so far as it affect dentistry.

**(B) SKILLS:**

A graduate should be able to demonstrate the following skills necessary for practice of dentistry.

1. Able to diagnose and manage various common dental problems encountered in general dental practice keeping in mind the expectations and the right of the society to receive the best possible treatment available wherever possible.
2. Acquire the skill to prevent and manage complications if encountered while carrying out various surgical and other procedures.
3. Possess skill to carry out certain investigative procedures and ability to interpret laboratory findings.
4. Promote oral health and help prevent oral diseases where possible.
5. Competent in the control of pain and anxiety among the patients during dental treatment.

**(C) ATTITUDES:**

A graduate should develop during the training period the following attitudes.

1. Willing to apply the current knowledge of dentistry in the best interest of the patients and the community.
2. Maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.
3. Seek to improve awareness and provide possible solutions for oral health problems and needs through out the community.
4. Willingness to participate in the CPED Programmes to update the knowledge

and professional skill from time to time.

5. To help and participate in the implementation of the national oral health policy.

## **COMPETENCIES**

At the completion of the undergraduate training programme the graduates shall be competent in the following.-

### **General Skills**

Apply knowledge & skills in day to day practice Apply principles of ethics

Analyze the outcome of treatment

Evaluate the scientific literature and information to decide the treatment

Participate and involve in professional bodies

Self assessment & willingness to update the knowledge & skills from time to time Involvement in simple research projects

Minimum computer proficiency to enhance knowledge and skills

Refer patients for consultation and specialized treatment

Basic study of forensic odontology and geriatric dental problems

### **Practice Management**

Evaluate practice location, population dynamics & reimbursement mechanism

Co-ordinate & supervise the activities of allied dental health personnel Maintain all records.

Implement & monitor infection control and environmental safety programs

Practice within the scope of one's competence

### **Communication & Community Resources**

Assess patients goals, values and concerns to establish rapport and guide patient care Able to communicate freely, orally and in writing with all concerned

Participate in improving the oral health of the individuals through community activities.

### **Patient Care – Diagnosis**

Obtaining patient's history in a methodical way Performing thorough clinical examination

Selection and interpretation of clinical, radiological and other diagnostic information Obtaining appropriate consultation

Arriving at provisional, differential and final diagnosis

**Patient Care – Treatment Planning**

Integrate multiple disciplines into an individual comprehensive sequence treatment plan using diagnostic and prognostic information

Able to order appropriate investigations

**Patient Care – Treatment**

Recognition and initial management of medical emergencies that may occur during Dental treatment

Perform basic cardiac life support Management of pain including post operative Administration of all forms of local anaesthesia

Administration of intra muscular and venous injections

Prescription of drugs, pre operative, prophylactic and therapeutic requirements

Uncomplicated extraction of teeth

Trans alveolar extractions and removal of simple impacted teeth

Minor oral surgical procedures

Management of Oro-facial infections Simple orthodontic appliance therapy

Taking, processing and interpretation of various types of intra oral radiographs

Various kinds of restorative procedures using different materials available Simple endodontic procedures

Removable and fixed prosthodontics Various kinds of periodontal therapy

**ORAL MEDICINE & RADIOLOGY**

- Able to identify precancerous and cancerous lesions of the oral cavity and refer to the concerned speciality for their management
- Should have an adequate knowledge about common laboratory investigations and interpretation of their results.
- Should have adequate knowledge about medical complications that can arise while treating systemically compromised patients and take prior precautions/ consent from the concerned medical specialist.
- Have adequate knowledge about radiation health hazards, radiations safety and protection.
- Competent to take intra-oral radiographs and interpret the radiographic findings
- Gain adequate knowledge of various extra-oral radiographic procedures,

TMJ radiography and sialography.

- Be aware of the importance of intra- and extra-oral radiographs in forensic identification and age estimation
- Should be familiar with jurisprudence, ethics and understand the significance of dental records with respect to law

### **PAEDIATRIC & PREVENTIVE DENTISTRY**

- Able to instill a positive attitude and behaviour in children towards oral health and understand the principles of prevention and preventive dentistry right from birth to adolescence.
- Able to guide and counsel the parents in regards to various treatment modalities including different facets of preventive dentistry.
- Able to treat dental diseases occurring in child patient.
- Able to manage the physically and mentally challenged disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions.

### **ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS**

- Understand about normal growth and development of facial skeleton and dentition.
- Pinpoint aberrations in growth process both dental and skeletal and plan necessary treatment
- Diagnose the various malocclusion categories
- Able to motivate and explain to the patient (and parent) about the necessity of treatment
- Plan and execute preventive orthodontics (space maintainers or space regains)
- Plan and execute interceptive orthodontics (habit breaking appliances)
- Manage treatment of simple malocclusion such as anterior spacing using removable appliances
- Handle delivery and activation of removable orthodontic appliances
- Diagnose and appropriately refer patients with complex malocclusion to the specialist

### **PERIODONTOLOGY**

- Diagnose the patient's periodontal problem, plan and perform appropriate periodontal treatment
- Competent to educate and motivate the patient

- Competent to perform thorough oral prophylaxis, sub gingival scaling, root planning and minor periodontal surgical procedures
- Give proper post treatment instructions and do periodic recall and evaluation
- Familiar with concepts of osseointegration and basic surgical aspects of implantology

### **PROSTHODONTICS AND CROWN & BRIDGE**

- Able to understand and use various dental materials
- Competent to carry out treatment of conventional complete and partial removable dentures and fabricate fixed partial dentures
- Able to carry out treatment of routine prosthodontic procedures.
- Familiar with the concept of osseointegration and the value of implant-supported Prosthodontic procedures

### **CONSERVATIVE DENTISTRY AND ENDODONTICS**

- Competent to diagnose all carious lesions
- Competent to perform Class I and Class II cavities and their restoration with amalgam
- Restore class V and Class III cavities with glass ionomer cement
- Able to diagnose and appropriately treat pulpally involved teeth (pulp capping procedures)
- Able to perform RCT for anterior teeth
- Competent to carry out small composite restorations
- Understand the principles of aesthetic dental procedures

### **ORAL & MAXILLOFACIAL SURGERY**

- Able to apply the knowledge gained in the basic medical and clinical subjects in the management of patients with surgical problems
- Able to diagnose, manage and treat patients with basic oral surgical problems
- Have a broad knowledge of maxillofacial surgery and oral implantology
- Should be familiar with legal, ethical and moral issues pertaining to the patient care and communication skills
- Should have acquired the skill to examine any patient with an oral surgical problem in an orderly manner
- Understand and practice the basic principles of asepsis and sterilization
- Should be competent in the extraction of the teeth under both local and general anaesthesia

- 
- Competent to carry out certain minor oral surgical procedure under LA like trans-alveolar extraction, frenectomy, dento alveolar procedures, simple impaction, biopsy, etc.
  - Competent to assess, prevent and manage common complications that arise during and after minor oral surgery
  - Able to provide primary care and manage medical emergencies in the dental office
  - Familiar with the management of major oral surgical problems and principles involved in the in-patient management

#### **PUBLIC HEALTH DENTISTRY**

- Apply the principles of health promotion and disease prevention
- Have knowledge of the organization and provision of health care in community and in the hospital service
- Have knowledge of the prevalence of common dental conditions in India.
- Have knowledge of community based preventive measures
- Have knowledge of the social, cultural and env. Factors which contribute to health or illness.
- Administer and hygiene instructions, topical fluoride therapy and fissure sealing.
- Educate patients concerning the aetiology and prevention of oral disease and encourage them to assume responsibility for their oral health.



**MINIMUM WORKING HOURS FOR EACH SUBJECT OF STUDY  
(B.D.S COURSE)**

Subjects	Lecture Hours	Practical Hours	Clinical Hours	Total Hours
General Human Anatomy Including Embryology, Osteology and Histology.	100	175		275
General Human Physiology	120	60		180
Biochemistry	70	60		130
Dental Materials	80	240		320
Dental Anatomy Embryology, and Oral Histology	105	250		355
Dental Pharmacology & Therapeutics	70	20		90
General Pathology Microbiology	55	55		110
	65	50		115
General Medicine	60		90	150
General Surgery	60		90	150
Oral Pathology & Microbiology	145	130		275
Oral Medicine & Radiology	65		170	235
Paediatric & Preventive Dentistry	65		170	235
Orthodontics & dental orthopaedics	50		170	220
Periodontology	80		170	250
Oral & Maxillofacial Surgery	70		270	340
Conservative Dentistry & Endodontics	135	200	370	705
Prosthodontics & Crown & Bridge	135	300	370	805
Public Health Dentistry including Lectures on Tobacco Control & Habit Cessation	60		200	260
<b>Total</b>	<b>1590</b>	<b>1540</b>	<b>2070</b>	<b>5200</b>

**Note:** There should be a minimum of 240 teaching days each academic year consisting of 8 working hours, including one hour of lunch break.

Internship – 240x8 hours-1920 clinical hours

**MINIMUM WORKING HOURS FOR EACH SUBJECT OF STUDY (B.D.S COURSE)**

**I B.D.S**

Subject	Lecture Hours	Practical Hours	Clinical Hours	Total Hours
General Human Anatomy Including Embryology, Osteology and Histology	150	250		400
General Human Physiology	200	100		300
Biochemistry.	110	90		200
Dental Anatomy Embryology, and Oral Histology	150	350		500
Dental Materials	60	70		130
Pre clinical Prosthodontics & Crown & Bridge	-	150		150
<b>Total</b>	<b>670</b>	<b>1010</b>		<b>1680</b>

## II B.D.S

Subject	Lecture Hours	Practical Hours	Clinical Hours	Total Hours
General & Dental Pharmacology and therapeutics	125	75		200
General Pathology	100	100		200
Microbiology	100	100		200
Dental Materials	60	200		260
Oral Pathology and Oral Microbiology	75	125		200
Pre Clinical Prosthodontics & Crown & Bridge	50	250		300
Pre Clinical Conservative Dentistry	50	270		320
<b>Total</b>	<b>560</b>	<b>1120</b>		<b>1680</b>

## III B.D.S

Subject	Lecture Hours	Practical Hours	Clinical Hours	Total Hours
General Medicine	100		200	300
General Surgery	100		200	300
Oral Pathology and Oral Microbiology	120	80		200
Oral Medicine and Radiology	30		70	100
Paediatric and Preventive Dentistry	30		70	100
Orthodontics & Dentofacial Orthopaedics	30		80	110
Periodontology	50		100	150
Oral & Maxillofacial Surgery.	40		80	120
Conservative Dentistry & Endodontics.	50		100	150
Prosthodontics and Crown & Bridge	50		100	150
<b>Total</b>	<b>410</b>		<b>750</b>	<b>1680</b>

## Final B.D.S

Subjects	Lecture Hours	Practical Hours	Clinical Hours	Total Hours
Prosthodontics	50		250	300
Oral Medicine	45		100	145
Periodontics	50		100	150
Public Health	60		200	260
Conservative Dentistry	50		250	300
Oral Surgery	50		200	250
Orthodontics	30		100	130
Pedodontics	45		100	145
<b>Total</b>	<b>380</b>		<b>1300</b>	<b>1680</b>

Provided that nothing contained in the provision of this regulations or statute or rules, regulations or guidance or notifications of the concerned university, or any other law for the time being in force shall prevent any student pursuing his/her 4<sup>th</sup> year BDS Course who fails in any one or more subjects of 1<sup>st</sup> semester will carry over those subjects to the 2<sup>nd</sup> Semester and will appear in those subjects together with the subjects of the 2<sup>nd</sup> semester. A pass in all the eight subjects is mandatory for completion of the 4<sup>th</sup> BDS Course before undergoing internship programme.

**Note:**

- \* Behavioral Sciences Classes shall commence in 1<sup>st</sup> Year.
- \* Forensic odontology shall be covered in the department of Oral pathology and Oral Medicine during 3<sup>rd</sup> Year.
- \* Esthetic Dentistry shall be covered in the Departments of Conservative Dentistry and Prosthodontics during 4<sup>th</sup> year.
- \* Oral Implantology shall be covered in the Department of Maxillofacial Surgery, Prosthodontics & Crown & Bridge and Periodontology during 4<sup>th</sup> year.
- \* Ethics and dental jurisprudence shall be covered in Public Health Dentistry in 4<sup>th</sup> year.
- \* The minimum working hours indicated each year of study does not include one month mid year vacation and one month of university examination.

## **CURRICULUM OF DENTAL INTERNSHIP PROGRAMME**

1. The duration of Internship shall be one year.
2. All parts of internship shall be done in a Dental College duly recognized/approved by the Dental Council of India for the purpose of imparting education and training to Dental graduates in the country.
3. The Interns shall be paid stipendiary allowance during the period of an Internship not extending beyond a period of one year.
4. The internship shall be compulsory and rotating as per the regulations prescribed for the purpose.
5. The degree- BDS shall be granted after completion of internship.

## **Determinants of Curriculum for internship for Dental Graduates**

The curricular contents of internship training shall be based on.

- I. Dental health needs of the society.
- II. Financial, material and manpower resources available for the purpose.
- III. National Dental Health Policy.
- IV. Socio-economic conditions of the people in general.
- V. Existing Dental as also the primary health care concept, for the delivery of health services.
- VI. Task analysis of what graduates in Dentistry in various practice settings, private and government service actually perform.
- VII. Epidemiological studies conducted to find out prevalence of different dental health problems, taking into consideration the magnitude of dental problems, severity of dental problems and social disruption caused by these problems.

## **Objectives**

- A. To facilitate reinforcement of learning and acquisition of additional knowledge:-
  - a) Reinforcement of knowledge.
  - b) Techniques & resources available to the individual and the community; Social and cultural setting.
  - c) Training in a phased manner, from a shared to a full responsibility.
- B. To facilitate the achievement of basic skills: attaining competence Vs. maintaining competence in:-
  - i) History taking.
  - ii) Clinical Examination.
  - iii) Performance and interpretation of essential laboratory data.
  - iv) Data analysis and inference.
  - v) Communication skills aimed at imparting hope and optimism in the patient.
  - vi) Attributes for developing working relationship in the Clinical setting and Community team work.
- C. To facilitate development of sound attitudes and habits:-
  - i) Emphasis on individual and human beings, and not on disease/symptoms.
  - ii) Provision of comprehensive care, rather than fragmentary treatment.
  - iii) Continuing Dental Education and Learning of accepting the responsibility.

- D To facilitate understanding of professional and ethical principles:-
- Right and dignity of patients.
  - Consultation with other professionals and referral to seniors/institutions.
  - Obligations to peers, colleagues, patients, families and Community.
  - Provision of free professional services in an emergent situation.
- E To initiate individual and group action, leading to disease prevention and dental healthpromotion, at the level of individuals families and the community.

### Content (subject matter)

The compulsory rotating paid Dental Internship shall include training in Oral Medicine & Radiology; Oral & Maxillofacial Surgery; Prosthodontics; Periodontics; Conservative Dentistry; Pedodontics; Oral Pathology & Microbiology; Orthodontics and Community Dentistry.

### General Guidelines

1. It shall be task-oriented training. The interns should participate in various institutional and field programmes and be given due responsibility to perform the activities in all departments of the Dental Colleges and associated Institutions.
2. To facilitate achievement of basic skills and attitudes the following facilities should be provided to all dental graduates:
  - i) History taking, examination, diagnosis, charting and recording treatmentplan of cases.
  - ii) Presentation of cases in a group of Seminar.
  - iii) Care and sterilization of instruments used.
  - iv) Performance and interpretation of essential laboratory tests and otherrelevant investigations.
  - v) Data analysis and inference.
  - vi) Proper use of antibiotics, anti-inflammatory and other drugs, as well asother therapeutic modalities.
  - vii) Education of patients, their relatives and community on all aspects of dentalhealth care while working in the institution as also in the field.
  - viii) Communication aimed at inspiring hope, confidence and optimism.
  - ix) Legal rights of patients and obligations of dental graduate under

1. **Oral Medicine & Radiology**

- |    |  |                        |
|----|--|------------------------|
| 1. | Standardized examination of patients   | 25 Cases               |
| 2. | Exposure to clinical, pathological laboratory procedures and biopsies.                             | 5 Cases                |
| 3. | Effective training in taking of Radiographs:<br>(Intra-oral) I.O. (Extra oral) E.O.<br>Cephalogram | 2 Full mouth<br>1<br>1 |
| 4. | Effective management of cases in wards   | 2 Cases                |

2. **Oral and Maxillofacial surgery**

A. The Internes during their posting in oral surgery shall perform the following procedures:

- |    |  |    |
|----|--|----|
| 1. | Extractions                                    | 50 |
| 2. | Surgical extractions                           | 2  |
| 3. | Impactions                                     | 2  |
| 4. | Simple Intra Maxillary Fixation                | 1  |
| 5. | Cysts enucleations                             | 1  |
| 6. | Incision and drainage                          | 2  |
| 7. | Alveoloplasties, Biopsies & Frenectomies, etc. | 3  |

B. The Internes shall perform the following on Cancer Patients:

1. Maintain file work.
2. Do extractions for radiotherapy cases.
3. Perform biopsies.
4. Observe varied cases of oral cancers.

C. The internes shall have 15 days posting in emergency services of a dental/general hospital with extended responsibilities in emergency dental care in the wards. During this period they shall attend to all emergencies under the direct supervision of oral surgeon during any operation:

1. **Emergencies.**

(i) Toothache; (ii) trigeminal neuralgia; (iii) Bleeding from mouth due to trauma, post extraction, bleeding disorder or haemophyilia; (iv) Airway obstruction due to fracture mandible and maxilla; dislocation of mandible; syncope or vasovagal attacks; ludwig's angina; tooth fracture; post intermaxillary fixation after general Anaesthesia.

2. Work in I.C.U. with particular reference to resuscitation procedures.
3. Conduct tutorials on medico-legal aspects including reporting on actual cases coming to casualty. They should have visits to law courts.

### 3. Prosthodontics

The dental graduates during their internship posting in Prosthodontics shall make:-

- |   |   |
|---|---|
| 1. Complete denture (upper & lower)   | 2 |
| 2. Removable Partial Denture  | 4 |
| 3. Fixed Partial Denture  | 1 |
| 4. Planned cast partial denture   | 1 |
| 5. Miscellaneous-like reline/over denture/repairs of Maxillofacial Prosthesis | 1 |
| 6. Learning use of Face bow and Semi anatomic articulator technique           |   |
| 7. Crowns   |   |
| 8. Introduction of Implants   | 1 |

### 4. Periodontics

A. The dental graduates shall perform the following procedures

- |                     |          |
|---------------------|----------|
| 1. Prophylaxis      | 15 Cases |
| 2. Flap Operation   | 2 Cases  |
| 3. Root Planning    | 1 Case   |
| 4. Curettage        | 1 Case   |
| 5. Gingivectomy     | 1 Case   |
| 6. Perio-Endo cases | 1 Case   |

B. During their one week posting in the community health centers, the interns shall educate the public in prevention of Periodontal diseases.

### 5. Conservative Dentistry

To facilitate reinforcement of learning and achievement of basic skills, the interns shall perform at least the following procedures independently or under the guidance of supervisors:

- |  |         |
|--|---------|
| 1. Restoration of extensively mutilated teeth        | 5 Cases |
| 2. Inlay and only preparations                       | 1 Case  |
| 3. Use of tooth colored restorative materials        | 4 Cases |
| 4. Treatment of discolored vital and non-vital teeth | 1 Case  |
| 5. Management of dento alveolar fracture             | 1 Case  |

- |    |  |         |
|----|--|---------|
| 6. | Management of pulpless, single-rooted teeth without periapical lesion. | 4 Cases |
| 7. | Management of acute dento alveolar Infections                          | 2 Cases |
| 8. | Management of pulpless, single-rooted teeth with periapical lesion.    | 1 Case  |
| 9. | Non-surgical management of traumatised teeth during formative period.  |         |

## 6. Pedodontics and Preventive Dentistry

During their posting in Pedodontics the Dental graduates shall perform:

- |    |  |          |
|----|--|----------|
| 1. | Topical application of fluorides including varnish             | 5 Cases  |
| 2. | Restorative procedures of carious deciduous teeth in children. | 10 Cases |
| 3. | Pulpotomy  | 2 Cases  |
| 4. | Pulpectomy   | 2 Cases  |
| 5. | Fabrication and insertion of space maintainers                 | 1 Case   |
| 6. | Oral habit breaking appliances                                 | 1 Case   |

## 7. Oral Pathology and Microbiology

The interns shall perform the following:

- |    |  |         |
|----|--|---------|
| 1. | History-recording and clinical examination | 5 Cases |
| 2. | Blood, Urine and Sputum examination        | 5 Cases |
| 3. | Exfoliate Cytology and smears study        | 2 Cases |
| 4. | Biopsy- Laboratory Procedure & reporting   | 1 Case  |

## 8. Orthodontics

A. The interns shall observe the following procedures during their posting in Orthodontics:

- |    |   |
|----|---|
| 1. | Detailed diagnostic procedures for 5 patients   |
| 2. | Laboratory techniques including wire-bending for removable appliances, soldering and processing of Moy-functional appliances. |
| 3. | Treatment planning options and decisions.   |
| 4. | Making of bands, bonding procedures and wire insertions.  |



5. Use of extra oral anchorage and observation of force values.
6. Retainers.
7. Observe handling of patients with oral habits causing malocclusions.

The dental graduates shall do the following laboratory work:-

1. Wire bending for removable appliances  
and spacemaintainers including welding  
and heat treatment  
procedure. - 5 Cases
2. Soldering exercises, banding & bonding procedures - 2 Cases
3. Cold-cure and heat-cure acrylisation of simple  
Orthodontic appliances - 5 Cases

## 9. Public Health Dentistry

1. The interns shall conduct health education sessions for individuals and groups on oral health public health nutrition, behavioral sciences, environmental health, preventive dentistry and epidemiology.
2. They shall conduct a short term epidemiological survey in the community, or In the alternate, participate in the planning and methodology.
3. They shall arrange effective demonstrations of:
  - a) Preventive and interceptive procedures for prevalent dental diseases.
  - b) Mouth-rinsing and other oral hygiene demonstrations 5 Cases
  - c) Tooth brushing techniques 5 Cases
4. Conduction of oral health education programmes at
  - A) School setting 2
  - B) Community setting 2
  - C) Adult education programmes 2
5. Preparation of Health Education materials 5
6. Exposure to team concept and National Health Care systems:
  - a) Observation of functioning of health infrastructure.
  - b) Observation of functioning of health care team including multipurposeworkers male and female, health educators and other workers.
  - c) Observation of at least one National Health Programme:-

- 
- d) Observation of interlinkages of delivery of oral health care with Primary Health care.

Mobile dental clinics, as and when available, should be provided for these teachings.

## 10 Elective Posting

The Interns shall be posted for 15 days in any of the dental departments of their choice mentioned in the foregoing.

### Organization of content

The Curriculum during the 4 years of BDS training is subject based with more emphasis on learning practical skills. During one year internship the emphasis will be on competency-based, community oriented training. The practical skills to be mastered by the interns along with the minimum performance level are given under the course content of different departments of Dental Education. The supervisors should ensure that proper facilities are provided in all departments and attached institutions for their performance.

### Specification of teaching activities

Didactic lectures are delivered during the four years training in BDS. These shall be voided during the internship programme. Emphasis shall be on chair-side teaching, small group teaching and discussions tutorials, seminars, ward posting, laboratory posting, field visits and self learning.

### Use of Resource Materials

Overhead projectors, slide projectors, film projectors, charts, diagrams, photographs, posters, specimens, models and other audiovisual aids shall be provided in all the Dental Colleges and attached institutions and field area. If possible, television, video and tapes showing different procedures and techniques to be mastered by the interns should be provided.

## Evaluation

### 1. Formative Evaluation:

Day-to-day assessment of the interns during their internship posting should be done. The objective is that all the interns must acquire necessary

minimum skills required for carrying out day-to-day professional work competently. This can be achieved by maintaining records and performance data book by all interns. This will not only provide a demonstrable evidence; of the processes of training but more importantly, of the interns own acquisition of competencies as related to performance. It shall form a part of formative evaluation and shall also constitute a component of final grading of interns.

## 2. Summative Evaluation:

It shall be based on the observation of the supervisors of different departments and the records and performance data book maintained by the interns. Grading shall be done accordingly.

## 11. Rural Services

In the rural services, the student will have to participate in-

1. Community Health Monitoring programmes and services which include Preventive, Diagnostic and corrective procedures
2. To create educational awareness about dental hygiene and diseases.
3. Conduction of Oral Health Education Programmes at –
 

(a) School Setting	-	5
(b) community Setting	-	5
(c) Adult Education Programme	-	5
4. compulsory setup of satellite clinics in remote areas      -      1
5. Lectures to create awareness and education in public forums about the harmful effects of tobacco consumption and the predisposition to oral cancer – two Lectures per student. Period of Postings

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1	Oral Medicine & Radiology	-	1 month
2	Oral & Maxillofacial Surgery	-	1 ½ months
3	Prosthodontics	-	1 ½ months
4	Periodontics	-	1 month
5	Conservative Dentistry	-	1 month
6	Pedodontics	-	1 month
7	Oral Pathology and Microbiology	-	15 days
8	Orthodontics	-	1 month
9	Community Dentistry/ Rural Services	-	3 months
10	Elective	-	15 days

***Note:- Any amendment made by DCI in the regulations shall be incorporated and implemented automatically.***

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## **CHAPTER-VIII**

### **FACULTY OF DENTAL HEALTH SCIENCES ADMISSION TO MDS COURSES**

**8.1.(a)** The desirous eligible candidates who qualify the NEET-MDS, and other terms & conditions are required to furnish result card mentioning marks obtained in NEET-MDS with the application form. The final H.P. state merit list of desirous applicants shall be displayed as per schedule published in the prospectus.

**(b)** As per MDS regulation (1<sup>st</sup> amendment), 2017 notified by Dental Council of India with prior approval of MOHFW, Govt. of India. Eligibility criteria for applying for 50% State Quota and 50% Management Quota PG (MDS) Centralized/ Common Counseling is as under:

- |              |                        |                             |
|--------------|------------------------|-----------------------------|
| <b>(i)</b>   | General Category       | 50 <sup>th</sup> percentile |
| <b>(ii)</b>  | SC/ST/OBC              | 40 <sup>th</sup> percentile |
| <b>(iii)</b> | Person with Disability | 45 <sup>th</sup> percentile |

Provided further, that when the number of qualifying candidates in the respective categories on the basis of the above-mentioned percentile are less than three times the numbers of vacancies, the cut-off percentile will be automatically lowered in such a manner that the number of eligible candidates shall be minimum three times of seats in each respective category.

- (c)** The candidate(s) found ineligible at any stage shall have no claim for admission or continuation of PG degree (MDS) course even if he /she qualifies the NEET-MDS.
- (d)** All desirous eligible candidates, Direct and In-service, (M.O. Dental) are required to submit their Application Form along with prescribed fee in a manner and time frame as published in Prospectus of that session.
- (e)** In-service (M.O. Dental) candidates are required to submit their application form along-with “Service-cum-No Objection Certificate” and other documents published in Prospectus of that session, from the competent authority. In case NOC is not attached with the application form his/her candidature will not be considered for the Centralized Common Counseling.
- (f)** Category once opted will not be changed.
- (g)** Application Form submitted late/incomplete shall be summarily rejected.
- (h)** Centralized Common Counseling for admission will be held as per schedule in prospectus.
- (i)** The Central Counselling Committee of Atal Medical & Research University, Chaired by

Director, Medical Education & Research, HP will conduct Centralized Common Counseling for filling-up of 50% State Quota PG (MDS) Degree seats in H.P. Govt. Dental College & Hospital Shimla, 50% State Quota and 50% Management Quota seats in private un-aided Dental Colleges of the State. The H. P. state merit list shall be drawn by this Counseling Committee on the basis of NEET-MDS and of those candidates who have applied on the prescribed Application Form within the stipulated date as mentioned in the Prospectus for admission to PG(MDS) degree courses.

## 8.2 ELIGIBILITY AND SELECTION CRITERIA:

### IN-SERVICE (M.O. DENTAL) SEATS

#### (A) Incentive For Pursuing Post Graduation Within The State through Neet-Pg-Mds:

- 1 There shall be no requirement for a NOC to appear in NEET-PG-MDS for any of the GDO candidates.

Category	Name of District	Medical Blocks/ Health Institutions under the areas	Area wise percentage incentive for one year of service
<b>A</b>	Chamba	Pangi	10
	Lahaul & Spiti	Whole District	
	Kinnaur	Pooh	
	Shimla	Area within Dodra Kwar sub-division of Chirgaon Medical Block	
<b>B</b>	Chamba	Bharmour, Kihar and Tissa	8
	Kinnaur	Sangla & Nichar except CHC Bhabanagar & RH Reckong Peo	
<b>C</b>	Kinnaur	CHC Bhabanagar of Nichar Block, RH Reckong Peo	6
	Shimla	Chirgaon and Nerwa	
	Mandi	Janjehli, Chhohar Valley of Padhar Medical Block	
	Sirmour	Shillai and Sangrah	
<b>D</b>	Kullu	Anni and Nirmund (Except CH Nirmund)	4
	Mandi	Bagsaid (except CH Gohar) and Sandhole (except CH Dharampur)	
	Chamba	Phukhari, Choori, and Samote.	
	Sirmour	Rajgarh (Transgiri Area)	
	Kangra	Mahakal	
	Shimla	Nankhari and Tikker	
<b>E</b>	All Districts	Other Medical Institutions of the State (excluding the above and below). (A, B, C, D & F)	2
<b>F</b>	All	All urban areas	0

- 2 There shall be requirement of an Incentive Certificate for availing the incentive for serving in the State as a GDO provided that such Incentive Certificate shall be issued to only those GDO who have completed at least one year of uninterrupted continuous service without any break or unauthorized absence on the date of declaration of result of NEET-PG-MDS. Further provided that this Incentive Certificate shall be valid only for appearing in the State Quota counselling.
- 3 The application for issuance of Incentive Certificate shall be made by the desirous GDO to the concerned Chief Medical Officer under whom he/she is currently serving. The application shall be made on a prescribed format which shall be notified by the DDHS. The concerned Chief Medical Officer shall verify the service particulars of the GDO from the maintained service record and send the Incentive Certificate for counter signature of the DDHS, and DDHS should submit the incentive certificate of the GDOs to the Chairman/ Member Secretary, Atal Medical & Research University Central Counselling Committee, Ner Chowk.
- 4 The GDOs shall be entitled for an incentive in terms of percentage of marks obtained in NEET-PG-MDS based on their services rendered in various field postings as given below as per PG policy notified the State Government vide Notification No. HFW-B(F)4-9/2017-II dated 27/02/2019 and subsequent Notification No.HFW-B(F)4-9/2017-III dated 19: 6-2019 Incentive percentage for GDOs for doing Post Graduation Course through NEET-PG within the State of Himachal Pradesh:

The percentage incentive shall be computed on pro-rata basis for the actual duration of service rendered in a particular field posting as per the following formula:

$$\begin{array}{l} \text{Incentive} \\ \text{percentage for a} \\ \text{particular field} \\ \text{posting} \end{array} = \frac{\text{Duration served(in day)}}{365} \times \begin{array}{l} \text{prescribed incentive} \\ \text{for particular} \\ \text{institution (As} \\ \text{mentioned above) in} \\ \text{table 1} \end{array}$$

In case a particular GDO has been posted at one particular station, but he is deputed for some period to another station, the actual duration served at a particular field posting will be taken into account for the calculation of incentive. This incentive shall be available to only those GDOs who are in the active service of the State in a continuous manner and for the purpose of computing the incentive, the present continuous service shall be taken into account;

meaning thereby, any doctor who has served as a GDO in the past but has subsequently resigned from GDO ship shall not be eligible to avail benefit of this incentive on the basis of any previous service. Similarly, if he/she subsequently joins GDO ship again, the incentive will be calculated taking into consideration the latest period of service reckoned from the date when he/she is in continuous service without any break. This incentive will be subject to maximum of 30% in terms of judgment delivered by the Hon'ble Supreme Court of India on 16<sup>th</sup> August, 2016 in Civil Appeal No.: 8047/2016- State of U.P. & Ors. Versus Dr. Dinesh Singh Chauhan and as per Dental Council of India MDS Regulations, 2017.

5. The date schedule for issuance of such Incentive Certificate shall be notified by the Chairman, Counselling Committee either as a part of Prospectus or separately. The incentive applicable for each field posting for a particular candidate shall be calculated, summed up and rounded off to three decimal points by the DDHS. The DDHS shall compile the list of all candidates who have applied for issuance of Incentive Certificate along-with their NEET-PG-MDS Roll number and communicate the entitled incentive (till three decimal points) in respect of each candidate to the Chairman/ Member Secretary, Atal Medical & Research University Central Counselling Committee, Ner Chowk, who shall draw up a combined merit list in respect of GDO and Direct candidates. The individual original Incentive Certificate shall be filed in the personal record of the GDO.
6. No incentive shall be applicable for those GDOs who are appearing for the All India counseling.
- 7(A) If any GDO joins Post Graduation within or outside the state through NEET-PG exam/Autonomous Institution Entrance Examination as a direct candidate without due resignation/permission, in case of contractual GDO his/her services shall be deemed terminated and recovery shall be made as per terms of contract agreement and in case of regular GDO candidate, disciplinary proceedings shall be initiated besides writing to the concerned Head of Institute for cancellation of the admission.

**Note:1.** A combined merit list will be prepared for the allotment of seats amongst Direct and GDO candidates for 50% State Quota and 50% Management Quota for MDS course seats. The allocation shall be made in order of merit -cum-preference of specialty and college.

3. If any of the 50% AIQ seats remain unfilled, the same shall revert to State Quota and shall be filled-up as per ranking of State Merit and applicable roster point.



**(B) DIRECT STATE QUOTA SEATS:**

Terms & conditions for Direct Candidates shall be as follows:

- (i) Only the candidates who have qualified the NEET- MDS shall be eligible to apply for admission to MDS Courses through Centralized/Common Counseling for taking admission in Government and Private un-aided Dental Colleges situated in Himachal Pradesh.
- (ii) Graduates (BDS) of Govt. and Private Dental Colleges of the Himachal Pradesh (i.e. H.P. Govt. Dental College & Hospital, Shimla, Himachal Dental College, Sundernagar, Distt. Mandi, Bhojia Dental College & Hospital, Baddi Distt. Solan, MN DAV Dental College, Tatul, Distt. Solan and Himachal Institute of Dental Sciences, Paonta Sahib, Distt. Sirmour) shall be eligible to apply for MDS courses.
- (iii) Bonafide Himachalis who have done BDS from any institute recognized by DCI.
- (iv) Children/Spouse of H.P. Government employees/ employees of Autonomous Bodies wholly or partially financed by H.P. Government getting admission to BDS course through CBSE/NEET or any other All India entrance Examination in Dental Colleges in India recognized by G.O.I /DCI.

**(C) FOR 50% MANAGEMENT QUOTA SEATS (Only in Pvt. Dental Colleges):**

The 50% Management Quota MDS seats in Pvt. Un-aided Dental College of the State of H.P. shall be filled up from the qualified candidates of NEET-MDS, in order of merit. Any interested candidate can apply for admission to MDS Degree Course subject to fulfillment of qualification and condition as prescribed in the prospectus. There is no condition of Bonafide Himachali/ Graduate (BDS) of H.P. to apply under this quota seats.

- (D) Economically Weaker Sections (EWSs): The persons who fulfilled the criteria as prescribed by the Government of Himachal Pradesh Department of Personal (AP-III) vide letter No. Per (AP)-C-B(12)-1/2019 dated 11-6-2019. As per aforesaid letter, the persons who are not covered under the scheme of reservation for SCs, STs and OBC and whose family has gross annual income below Rs.4.00 lakh (Rupees four lakh only) are to be identified as EWSs for benefit of 10% reservation. Income shall also include income from all sources i.e. salary, agriculture, business, profession, etc. for the financial year prior to the year of application. These reserved seats shall be on rotation in various specialities as published in prospectus. Persons whose family owns or possesses any of the following assets shall be excluded from being identified as EWS, irrespective of the family income:-

1. More than 1 hectare of Agriculture Land in rural areas and 500 M<sup>2</sup> land in urban areas;
2. Residential flat /house of more than 2500 square feet in rural/urban areas;
3. Family of income tax payee;
4. Family of Regular/ Contract employees of the Central Government, State Government, Board, Corporation and Autonomous bodies and Public Sector Undertakings etc.

**Note:** The Candidates claiming the benefit of reservation under EWSs category is required to submit the certificate on the prescribed format duly issued by the competent authority of the state of Himachal Pradesh.

(E) Eligibility for foreign Nationals:

Foreign Nationals are only eligible for Management quota seats in private un-aided Dental Colleges of the State in order of merit -cum-preference of speciality and college. Foreign national should have temporary registration from Dental Council of India at the time of admission in the allotted college failing which his /her admission cannot be accepted by the concerned college.

It shall be the responsibility of the college where a foreign National is seeking admission to get antecedents verified from the concerned Govt. of the candidate.

### 8.3 CANDIDATES SEEKING ADMISSION SHALL:

- (A) Posses BDS degree of Atal Medical & Research University or any other University recognized by Dental Council of India as provided above Rotatory Compulsory Internship should be completed.
- (B) Candidate must be registered with either Dental Council of India or any of the State Dental Council in India at the time of 1<sup>st</sup> round of common counseling. The renewal of registration shall be done as per guidelines of Dental Council of India/ State Dental Council in India.
- (C) The candidate possessing foreign qualifications (BDS Degree) will have to produce the certificate of having passed the DCI equivalence examination as well as certificate of recognition by DCI at the time of 1<sup>st</sup> round of Centralized /common counseling and the said registration should have been renewed to be valid at the time of counselling

- (D) Candidates who do not fulfill the eligibility criteria as prescribed for State Quota Seats, will be considered only for Management Quota seats in private un-aided Dental Colleges.
- (E) The candidate already perusing MDS from anywhere in the Country will be deemed ineligible for admission in MDS course.
- (F) In case, the eligible candidates to the extent of reservation in any category are not available and the seat is unfilled, the vacant seats shall be filled up by converting them in the other categories subject to availability of candidates during the Mop up round of Centralized/ Common Counseling as given below: -
- i) The vacant/unfilled seats of SC category shall be filled up amongst the eligible ST category candidates.
  - ii) The vacant/unfilled seats of ST category shall be filled up from amongst the eligible SC category candidates.
  - iii) In case, the eligible candidates are not available in the above two reserved categories in the above manner, the vacant seats shall then be filled up from amongst the eligible unreserved candidates.
  - iv) The vacant seats/ unfilled seat of Person with Disability shall be filled-up from General category candidates.
  - v) The candidature of SC/ST candidates belonging to other state (Non-HP) will only be considered for general category by virtue of their general combined merit.
  - vi) As per 40-point roster there is no specific point earmark to OBC, hence the OBC candidates will be considered in General Category as per General combined merit.

*Note: (i) Candidates who do not fulfill the eligibility criteria as prescribed for State Quota Seats, will be considered only for Management Quota seats, , if otherwise they are Interested including foreign national subject to conditions published in prospectus.*

**8.4.** (i) 40 point reservation roster shall be applied in respect to distribution of seats Among Gen., SC & ST categories in continuation to the last roster point exhausted in the previous academic year.

(ii) The reverted back All India Quota seats shall be allotted in order of merit- cum-preference of course/ college by applying 40 point reservation roster in continuation to the last roster point exhausted in 1<sup>st</sup> round. The method for applying roster during the 2<sup>nd</sup> round /Mop up/subsequent rounds for vacant seats including reverted seats from All India Quota will be as follows:-

- (a) The 40 point reservation roster shall be applied in continuation to The last point exhausted in 1<sup>st</sup> round initially to the seats which are reverted back from All India Quota to State quota in H.P. Govt. Dental College, Shimla and subsequently the roster shall be applied in continuation on the unfilled seats of round –I counselling .
- (b) No fresh 40 point reservation roster shall be applied on the vacant seats of State quota Round -1 ( due to non-joining of candidates of Round -I) as well as resultant vacancy arising due to up gradation in the 2<sup>nd</sup> round where the roster has already been applied in 1<sup>st</sup> round . That is to say that no fresh roster will be applied on the seats on which roster has been applied once.
- (iii) As 10% reservation to EWS is applicable only in Government Dental College, hence after exhaustion of the 10% reservation on particular point i.e. 9,19,29 and 39 as the case may be during allotment process, remaining points of EWS will be allotted to General category in order of merit –cum choice/ preference of specialty/ college . In case there are no candidates of EWS then these seats will be reverted back to general category.
- (iv) 5% seats of the annual sanctioned intake capacity shall be filled up by persons with Benchmark disability in accordance with provisions of the Rights of Persons with disability Act, 2016 and as per direction of Dental Council of India based on merit list of National Eligibility-cum-Entrance Test for admission to Post Graduate Course in Govt. and Private Dental College of the State.
- (v) If Person with disability stands in General combined merit list , he/she will be offered seat which falls under General category point by virtue of his /her General combined merit. In that event point of General category shall be treated exhausted. If the point earmarked to Person with disability remain unfilled on account unavailability of candidate, the point shall be included in the annual sanctioned seats for the respective category i.e. General category.
- (vi) If EWS stands in General combined merit list, he/she will be offered seat which falls under General category point by virtue of his /her General combined merit. In that event point of General category shall be treated exhausted. If the point earmarked to EWS remain unfilled

on account unavailability of candidate, the point shall be included in the annual sanctioned seats for the respective category i.e. General category.

**Note: In case of any dispute, the decision of Chairman, Counselling Committee shall be final.**

#### **8.5. ADMISSION**

- 1 The selected candidates will be required to deposit the prescribed fee at the time of counseling/admission/ as published in prospectus, failing which the seat will be allotted to next candidate in order of merit.
- 2 If a candidate, after admission to any of the course, remains absent without any valid reason of more than six weeks at a stretch during the period of training then his/her name will be struck off from the rolls. However, for medical reasons if this period is beyond six weeks then the candidate will be allowed to sit in the subsequent examinations depending on the total duration of such leave in such a way that the total tenure of PG course should not be less than 36 months and also that his/her total attendance should not be less than 80% in theory and practical each.
- 3 Frequent and habitual absentees will be summarily discharged from the college and the agreement bond money will be recovered from them.
- 4 The students admitted to the Dental Colleges shall be governed by the provisions of the rules prescribed by the State Govt. /Atal Medical & research University/DCI from time to time which shall be binding on all the students and management of Pvt. Dental colleges.
- 5 The Hon'ble High Court in its order in CWP No. 310 of 2004 has upheld the ban imposed by the State Govt. on holding the gate meetings, general body meetings and slogan shouting etc. in Dental College, Hospital and Hostels attached therewith and within a distance of 500 meters from these institutions. Violation can be proceeded against for committing contempt of Hon'ble High Court. This is in addition to other suitable punitive action as deemed necessary.

#### **8.6 TERMS AND CONDITIONS OF BOND FOR POST GRADUATION:**

1. As the Government incurs substantive expenditure on each candidate for doing Post Graduation and also pays them full pay along with all allowances and seniority during the course, every GDO (regular/contract) who have been sponsored to pursue Post Graduation within the State in Govt. and Pvt. Un-aided Dental colleges shall have to furnish a bond to serve the State for at least four years including mandatory first year of field posting after completion of their respective courses. Since the direct candidate who pursues Post Graduation within the State in Government Dental college on State/All India Quota stand on

a different footing as they are entitled to service benefits including full pay (with allowances and increments) and chances of regularisation to which their GDO counterparts are entitled; however, keeping in view the resources expended in their education by the Government including payment of stipend, every such direct candidates shall have to furnish a bond to serve the State for at least two years including mandatory first year of field posting after completion of their respective courses.

**2. The Bond Agreement shall be in the following form:**

- (i)** All the candidates shall furnish a bond in the form of a legal undertaking to serve the State for prescribed period failing which the candidate shall have to pay Rs. 40 Lacs to the State Government. The candidate shall also furnish an undated cheque from a scheduled bank amounting to Rs. 40 Lacs in the name of DDHS. The DDHS shall be at liberty to get the cheque encased in event of violation of the bond conditions.
- (ii)** The candidates shall also deposit their original bachelor degree with the DDHS (in case of GDOs) and DME (in case of direct candidates). The concerned issuing University/Institution shall be informed about such retention and the candidate shall be debarred from obtaining any duplicate degree. The original bachelor degree shall be released only after completion of the Bond Period or after deposition of the requisite amount and this shall be a part of the bond agreement.
- (iii)** The candidates shall also furnish undertaking as a part of bond that they shall complete the course prescribed failing which they shall be liable to pay Rs. 10 lakhs to the State Government for wastage of seat.
- (iv)** The prescribed format of the bond shall be as per format decided by HP Government.

**3.** It shall be the sole responsibility of DDHS to ensure the furnishing of such documents from each GDO candidate who is being sponsored and the sole responsibility of the Principal of concerned Dental College to ensure collection of these documents at the time of admission of a direct candidate to the course. Any dereliction of duty in this end shall make the concerned liable for action.

**3.1** The custodian of these three documents-Bonds as legal undertaking undated cheque and original Bachelors degree shall be DDHS (in case of GDOs) and Principals of respective colleges (in case of Direct candidates, as per power delegated by the DME.) The DDHS shall take over the custody of the documents including the Bond agreement undated cheque and Original Bachelor degree in respect of State Service candidates.

4. In no case, NOC shall be granted for second Post-graduation course/Senior Residency to any candidate during the mandatory period of service of the State after first Post-Graduation.
5. **The following shall constitute a violation of the bond to serve the state.**
  - (i) Failure to join the given field posting within 10 days of issuance of orders.
  - (ii) Putting in request for EOL/Study leave/request for NOC during the mandatory period of service of the State.
  - (iii) Putting in request for Senior Residency within the mandatory first year of field posting.
6. **In the event of a candidate violating the terms of bond, the following actions shall be initiated by the DDHS:**
  - (i) The salary paid to the candidate during sponsorship shall be recovered through due process of law.
  - (ii) The bond amount shall be recovered through due process of law. The cheque submitted by the candidate as a part of bond documents shall be en-cashed.
  - (iii) Initiation of disciplinary proceedings against the GDO candidate.
  - (iv) The original bachelor degree shall not be returned and endorsement shall be made to the concerned University thereof.
  - (v) Cancellation of registration from the concerned State Dental Council.
7. **EXCEPTIONS:** The condition of bond agreement shall not be applicable in case of Direct candidate in the following scenarios:
  - (i) Those direct candidates who do not choose to take any stipend during the post-graduation in the state. Such candidates shall furnish such option on a prescribed affidavit before the start of course.
  - (ii) Those direct candidates in whose case the Government/DDHS fails to issue any orders for field postings within a month of their clearing the PG Exams. However, the DHS/DDHS would be answerable to the Government for this lapse.
8. **REMUNERATION DURING THE MANDATORY FIELD POSTING:**
  - (i) The regular GDO shall continue to draw the emoluments and pay admissible to him/her with due allowances and increments during the period of mandatory field posting.
  - (ii) The contractual GDO shall continue to draw the salary as admissible to him as per terms of the contract.

- (iii) The Direct candidates shall draw salary at the rate as admissible for contract and shall be treated as contractual GDOs for all practical purposes during the period of mandatory field posting. However, if the direct candidate subsequently joins as Senior Resident in any of the Dental/Medical Colleges after completion of mandatory first year of field posting, he shall draw the pay as prescribed for a Senior Resident.

**9. TERMS FOR LEAVING POST GRADUATION COURSE MIDWAY:**

- (i) If the GDO's who have been granted sponsorship for pursuing Post Graduation within the State, leaves the Post Graduation course midway, he/she shall be debarred to re-appear in any entrance examination for Post Graduation for the next five years within and outside the State of Himachal Pradesh. The period of five years for the purpose of de-barring shall be reckoned from the date of leaving the course midway.
- (ii) In addition to this, for those GDO's who leave post graduation course mid way, the period spent in the Dental College during Post Graduation may be regularized against the leave of kind due. If there is no sufficient leave of kind due in his/her credit that period may be treated as EOL and the payment made to the person for this period shall be recovered from the candidates. In addition to this, the GDO shall have to pay Rs. 10 Lakhs in event of leaving the course midway as per terms of the bond.
- (iii) In case of direct candidates who leave the course midway (i.e. after 31<sup>st</sup> May or after completion of counseling process), they shall have to pay Rs. 10 lakh to the State Government as per the terms of the bond. Information in respect of such cases shall be sent to the DDHS by the concerned Principal along with bond and other documents.

**10. TERMS FOR SECOND POST GRADUATION COURSE:**

The GDOs who have been sponsored to pursue Post Graduation within the state earlier and who are desirous of pursuing a second Post Graduation Course shall be governed by the following conditions:

- (i) The GDOs who have completed PG Degree in one specialty shall not be granted sponsorship/NOC for pursuing PG Degree in any other specialty. However, such candidates may pursue their second PG degree course only after the grant of EOL by the Government as per CCS Leave Rules.
- (ii) Any GDO who is not fulfilling the condition of minimum required service to be sponsored as Post Graduate Candidate within or out of the state shall have to resign from the post on their selection against direct/open seats before joining such courses. And if he/she joins Post Graduation without getting NOC from the Government or without submitting his/her



resignation, in case of contractual GDO his/her services shall be deemed terminated and recovery shall be made as per terms of contract agreement and in case of regular GDO candidate, disciplinary proceedings shall be initiated besides writing to the concerned Head of Institute for cancellation of the admission.

**Note:**(i) No candidate will be allowed to draw more than one stipend/scholarship/ financial assistance etc.

(ii) Post graduate students shall be entitled for 30 days leave as per academic year during PG course. No carry forward of leave shall be allowed/permissible. GDOs will be entitled to avail leaves due to them provided they fulfill the minimum requirement of attendance for appearing in annual university examination

(iii) The selected candidates are required to execute Agreement Bond as prescribed in the Prospectus at the time of admission, failing which stipend will not be paid to them. The stipend will be paid w.e.f. commencement of academic session. If any candidate submits Agreement Bond after commencement of academic session, then stipend will be paid to him/her from the date of submission of Agreement Bond in the concerned Dental College.

## **11. GENERAL RULES AND REGULATIONS PERTAINING TO POST-GRADUATE DEGREE (MDS) COURSES.**

There shall be following Post Graduate Degree Courses (MDS):

1. Oral and Maxillofacial Surgery
2. Periodontology
3. Orthodontics and Dentofacial Orthopedics
4. Public Health Dentistry
5. Prosthodontics and Crown & Bridge
6. Conservative Dentistry and Endodontics
7. **Pediatric and Preventive Dentistry**
8. **Oral & Maxillofacial Pathology and Oral Microbiology**
- 9 Oral Medicine and Radiology

### **11.1 Duration of course:.**

1. The period of training for the award of the MDS course shall be three (3) years duration for three academic years as full time candidates in an institution including the period of examination.
2. The academic session shall generally commence from 1<sup>st</sup> May and cut of date of

admission, even for stray vacancies, in Master of Dental Surgery Course shall be 31<sup>st</sup> of May every year. There shall be no admission of students in respect of academic session beyond the 31<sup>st</sup> May for Post-graduate course under any circumstances. The university or institute shall not register any student beyond the said date. These dates are subject to change as per guideline of HP Government from time to time.

3. Provided that the time period required for passing out of the MDS course shall be a maximum of Six years from the date of admission.

**11.2 Eligibility:** Attendance: Every candidate should have at least 80% attendance in each academic year to be eligible for appearing in final examinations.

**Progress and Conduct:** - Every candidate should have participated in seminars, journal review meetings, symposia, conference, as presentations, clinics and didactic lectures during each year.

**Work diary and log book:** Every candidate shall maintain a work diary and log book for recording his/her participation in the training programmes conducted by the department. The work diary and log book shall be verified and certified by the Head of the Department and Head of the Institution. The certification of satisfactory progress is based on the work diary and log book.

**11.3 Syllabus and Method of Training:** The courses and syllabus of studies shall be such as prescribed by the Board of Studies/Faculty of Dental Sciences in accordance with the Dental Council of India regulations from time to time.

**11.4 Examination:** - There shall be at least four Formative examinations at an interval of at least six months during period of MDS, one of them should be the Send up examination that should be one month before Final University Examination. Final University Examination shall generally be at the end of three years i.e. generally in the month of April /May and supplementary in the month of October/ November. This schedule may be changed by AMRU keeping in mind the guidelines of DCI.

#### **11.5 Part-A: Thesis**

##### **Part- B: Written papers**

The acceptance of the Dissertation/Thesis shall be a precondition for appearing in the Final examination.

Provided that a candidate whose dissertation has been accepted by the examiner, but declared failed at the examination, shall be permitted to re-appear at the subsequent examination without a new dissertation.

Provided further that if the dissertation is rejected by the examiner, the examiner shall assign reasons therefore with suggestions for its improvement to the candidate and such candidate shall re-submit his/her thesis to the examiner who shall accept it before appearing in the examination.

The Synopsis/protocol of the subjects shall be submitted to a Committee consisting of three members (Principal and Senior Most PG Teachers to be appointed by the Dean for all Dental Colleges of the State) from time to time within Six months from date of commencement of the course.

#### **DISSERTATION/ THESIS:**

- a) Every candidate appearing for the post-graduate degree examination shall submit four copies of dissertation undertaken by him/ her under the directions and guidance of his/her guide to the University. The dissertation so submitted shall be referred to the examiners for their examination and acceptance of it shall be a condition for appearing in the Part-II examination.
- b) Four copies of the dissertation/thesis shall be submitted to the university through Dean, after one year of approval of protocol/synopsis but not later than Six months from the scheduled date of Final University Examination.
- c) Dissertation/Thesis will be examined by Four examiners appointed for this purpose (Two Internal and Two External). They shall report whether the thesis is accepted or rejected, or the candidate be allowed to re-submit the thesis after revision. If the examiners disagree, then another examiner (an expert in the subject of Dissertation/ Thesis) shall be appointed on the recommendation of Dean of Faculty.
- (d) The Dissertation/Thesis shall be accepted after approval of the examiners, if the thesis is REJECTED, the candidate will have the option to take another topic. In case of REVISION the examiner shall point out in writing the defects and make suggestions for improvement and modification.
- (e) The report of examiners on the Dissertation/Thesis will be sent to the Controller of Examinations at least one month before the actual commencement of Final Examination. If the report/ comment are not received within the stipulated period from the external examiners then the Dean shall take a decision in consultation with the faculty to accept the Dissertation/ Thesis.

#### **11.6 UNIVERSITY WRITTEN EXAMINATION:**

The university examination shall consist of theory, practical and clinical examination and viva-voce and Pedagogy.

##### **(i) Theory:**

##### **Part -I: Shall consist of one Paper**

There shall be a theory examination in the Basic Sciences at the end of 1<sup>st</sup> year of course. The question papers shall be set and evaluated by the examiners appointed by AMRU. The candidates shall have to secure a minimum of 50% in the Basic Sciences and shall have to pass the Part-1 examination at least six months prior to the Final (Part-II) examination.

##### **Part-II: Shall consist of three Parts:**

- (i) Practical and Clinical Examination
- (ii) Viva-voce, and
- (iii) Pedagogy

#### **CLINICAL/PRACTICAL EXAMINATION:**

Clinical/practical examination is designed to test the clinical skill, performance and competence of the candidate in skills such as communication, clinical examination, medical/dental procedures or prescription, exercise prescription, latest techniques, evaluation and interpretation of results so as to undertake independent work as a specialist. The affiliating university shall ensure that the candidate has been given ample opportunity to perform various clinical procedures.

The practical/clinical examination may be extended for one day, if it is not complete in two days.

#### **VIVA- VOCE EXAMINATION:**

Viva voce examination aims at assessing the depth of knowledge, logical reasoning, and

confidence and communication skill of the students.

### **SCHEME OF EXAMINATION:**

#### **Theory:**

Part-I: Basic Sciences Paper= 100Marks

Part-II: Paper -I = 100Marks

Paper -II =100Marks

Paper-III =100Marks

**Total = 400 Marks**

Written examination shall consist of Basic Sciences (Part-1) of three hours duration that shall be conducted at the end of First year of MDS course. Part-II Examination shall be conducted at the end of Third year of MDS course. Part-II Examination shall consist of Paper-I, Paper-II and Paper-III, each of three hours duration.

### **DISTRUBUTION OF MARKS:**

#### **Theory: 400 Total Marks**

##### **(1) Part-I University Examination (100 Marks):**

There shall be 10 Question each (Total 100 Marks)

##### **(2) Part-II (3 Papers of 100 Marks):-**

(i) Paper-1: 02 Long essay questions of 25 marks each and 5 short essays of 10 marks each.

(Total 100 Marks)

(ii) Paper-II: 02 Long essay question of 25 marks each and 5 short essays of 10 marks each.

(Total 100 Marks)

(iii) Paper III: 02 out of 03 essay questions (50 x 2 = 100 Marks)

Practical and Clinical Examination: 200 Marks

Viva-voce and Pedagogy: 100 Marks

### **PAPER SETTING:**

#### **PART-I: Shall contain two parts-**

Part-A: Set by the External Examiner

Part-B: Set by the Internal Examiner

#### **PART-II: Shall contain three papers-**

Paper-I: Set by the 1<sup>st</sup> External Examiner

Paper-II: Set by the 2<sup>nd</sup> External Examiner

Paper-III: Set by the 2<sup>nd</sup> Internal Examiner

First Internal Examiner will act as Chief Moderator.

### **11.7 EXAMINERS:**

**Part-I:** There shall be one internal and one external examiner for three students appointed by the university for evaluating the answer scripts of the same speciality. However, the number of examiners may be increased with the corresponding increase in number of students

to a maximum of four examiners.

**Part-II:** There shall be four examiners in each subject. Out of them, two (50%) shall be external examiners and two (50%) shall be internal examiners. Both external examiners shall be from a university other than the affiliating university and one examiner shall be from a university of different State.

#### **QUALIFICATION & EXPERIENCE FOR EXTERNAL EXAMINERS :-**

1. He/ she shall be a Professor in a post graduate degree programme.
2. Shall be a regular post graduate teacher in the subject.
3. Reciprocal arrangement of Examiners shall be discouraged. The internal examiner in the subject should not accept external examinership for a college from which external is appointed in his/her subject.
4. No person shall be an external examiner for the same institution for more than two consecutive years. However, if there is a break of one year, the person can be re-appointed.

#### **11.8 EVALUATION OF ANSWER BOOKS: Shall be organized by AMRU**

**Part-I:** Answer books shall be evaluated by two examiners appointed by University.

**Part-II:** Answer books shall be evaluated by four examiners, two from the University and two from other Universities appointed by AMRU. The average marks shall be computed.

#### **11.9 CRITERIA FOR DECLARING AS PASS:**

To pass in the University examination a candidate shall secure 50% marks in both theory and practical/ clinical including viva voce examination separately.

The candidate shall secure 50 out of 100 marks in Part-I examination and 150 marks out of 300 in Part -II examination in theory and 150 out of 300 marks in clinical plus viva voce together. In addition the candidate should get at least 40% marks in each paper in Part-II.

A candidate securing marks below 50% as mentioned above shall be declared to have failed in the examination. Marks will be assigned in the Details Marks Certificate.

A candidate who is declared successful in the examination shall be granted a Degree of Master of Dental Surgery in the respective specialty.

**Note:- Any amendment made by DCI in the regulations shall be incorporated and implemented automatically.**

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## CHAPTER-IX

### FACULTY OF INDIAN SYSTEM OF MEDICINE BACHELOR OF AYURVEDIC MEDICINE & SURGERY

- 9.1 ADMISSION TO THE COURSE:** (i) The admission to the course of Ayurveda and Homoeopathy shall be on the basis of a competitive examination NEET to be conducted by the National Testing Agency, ordinarily in the month of June, on the dates to be notified by the Competent Authorities
- (ii) The Atal Medical & Research University, HP will be conducting the counseling on behalf of the Government of Himachal Pradesh, Department of AYUSH through Counseling Committee constituted by the Government of Himachal Pradesh for admission to BAMS/BHMS Courses in Rajiv Gandhi Govt. Post Graduate Ayurvedic College, Paprola, Distt. Kangra (HP), Shiva Ayurvedic College & Hospital Bilaspur, Abhilashi College of Ayurveda, Chail - Chowk Mandi) and Solan Homeopathic Medical College & Hospital, Kumarhatti-173229, Distt. Solan an affiliated colleges of the University on the basis of merit of qualified candidates of NEET-UG conducted by the authority designated by the Central Govt. **The counselling for All India Quota seats will be conducted by the authority designated by the Central Govt.**
- (iii) The candidates who are qualified in NEET-UG and fulfills the prescribed eligibility criteria and other conditions of the prospectus may apply online only by using University website [www.amruhp.ac.in](http://www.amruhp.ac.in) for admission to BAMS/BHMS courses in different Ayurvedic/Homeopathy Colleges situated in the State of Himachal Pradesh. The candidates who will be found non-qualified in NEET-UG, their application forms shall be rejected without any notice.
- (iv) The candidate must have passed intermediate(10+2) or its equivalent examination recognized by the concerned State Government and Education Boards with the subjects of Physics, Chemistry, Biology which shall include a practical test in science subjects & English individually and must have obtained minimum of 50% marks taken together in aggregate marks in Physics, Chemistry, Biology at the aforesaid qualifying examination in the case of general category and 40% marks in the case of Scheduled Castes, Scheduled Tribes and Other Backward Classes .
- (v) In respect of persons with disability candidate specified under the Rights of Persons with Disabilities Act, 2016 (49 of 2016) &(As per CCIM Notification, New Delhi, 18<sup>TH</sup>

JUNE 2019, F.No. 24-14/2018-UG Regulation) , the minimum qualifying marks in the said qualifying examination in physics, Chemistry, Biology shall be 45% in the case of general category and 40% in the case of the Scheduled Castes, Scheduled Tribes and Other Backward Classes.

(vi) No candidate shall be admitted to BAMS Degree Course unless he/she has attained the age of seventeen years on or before the 31 December of the year of his/her admission in the first year of the course and not more than of 25 years on or before 31<sup>st</sup> December of the year of admission in the first year of the course:

Provided that the upper age limit may be relaxed by five years in the case of the Scheduled Castes, Scheduled Tribes, Other Backward Classes and physically handicapped candidates.

## 9.2 COURSE OF STUDIES

### i) Duration of Course: 5 years & 6 months, comprising:-

a.	I Professional	12 months
b.	II Professional	12 months
c.	III Professional	12 months
d.	Final Professional	18 months
e.	Compulsory Rotatory internship	12 Months

ii) **Degree to be awarded:** Ayurvedacharya (Bachelor of Ayurvedic Medicine and Surgery - B.A.M.S).The candidate shall be awarded Ayurvedacharya (Bachelor of Ayurvedic Medicine and Surgery -B.A.M.S) degree after passing the final examination, after completion or prescribed course of study extending over prescribed period and thereafter satisfactorily completing the compulsory rotatory internship extending over twelve month.

iii) **Medium of instructions:** Sanskrit, Hindi any recognized regional language and English.

iv) **Syllabus:-**The syllabi of study shall be as prescribed by the faculty of Ayurveda from time to time.

v) **Scheme of examination / course of study:-**  
**First Professional**

- i. The first professional examination shall be at the end of one academic year of First professional session. The professional session will ordinary start in Sep/Oct.
- ii. The first professional examination shall be held in the following subject
  - (a) Padarath Vigyan avam Ayurveda It has
  - (b) Sanskrit
  - (c) Kriya sharir (Physiology)
  - (d) Maulik Siddhant avam Ashtang Hridaya(Sutra Sthana )
  - (e) Rachna Shrir (*Anatomy*)

The failed student of first Professional shall be allowed to appear in second professional examination, but the student shall not be allowed to appear in third professional examination unless the student passes all the subjects of first professional examination and maximum four chances shall be given to pass first professional examination within a period of maximum three years.

### **Second Professional**

- i. The second professional Session shall start every year in the month of Sep/Oct. following completion of the First professional.

The second professional examination shall be ordinary held and completed by the end of month of August/September every year after completion of one year of second professional session.
- ii. The Second professional examination shall be held in the following subject:-
  - a. Dravya guna Vigyan (Pharmacology and Materia Medica)
  - b. Ras shastra -Bhashajya Kalpana.
  - c. Roga Nidan evam Vikriti vigyan(Diagnostic Procedure and Pathology)
  - d. Charak Samhita- Purvardh ( an ancient Ayurvedic Text, Part-1)
- iii. The failed student of second professional who have passes all the subjects of first professional examination shall be allowed to appear in third professional examination, but the student shall not be allowed to appear in final professional examination unless the student passes all the subjects of second professional examination and maximum four chances shall be given to pass second professional examination within a period of maximum three years.

### **Third Professional**



- i. The Third Professional Session shall start every year in the month of Sep/Oct. following completion of the second professional examination. The Third professional examination shall be ordinary held and completed by the end of month of Sep/Oct every year after completion of one year of Third professional session. The Third Professional Examination shall be ordinary held on following subjects:-
  - a. Agad Tantra Vyavhar Ayayurved Evam Vidhi Vaidyaka(Toxicology) and Medical Jursiprudence)
  - b. Charak Samhita-Uttarardh( an ancient Ayurveda test, Part-II)
  - c. Swastha Virtta & Yoga (Preventive and Social Medicine & Yoga)
  - d. Parsuti & stree (Gynaecology & obstetrics)
  - e. Bal Roga (Paediatrics)
- ii. The failed student of third professional who have passed all the subjects of first and second professional examinations shall be allowed to appear in final professional examination and maximum four chances shall be given to pass third professional examination within a period maximum three years.

#### **Final Professional**

- i. The Final Professional Session will be of 18 months duration and shall start every year in the month of Sep/Oct following completion of Third Professional Examination.
- ii. The final professional examination shall ordinary be held and completed by the end of month of March/April every year after completion of one and half year Final Professional Session.
- iii. The final professional examination shall comprise of the following subject :-
  - a. Shalya Tantra (General Surgery)
  - b. Shalakya Tantra (Diseases of head & neck including Ophthalmology, ENT and Dentistry)
  - c. Kayachikitsa (Internal Medicine including Manas Roga Rasayana & Vajikarana)
  - d. Panchkarma.
  - e. Research Methodology & Medical Statistics. Research Methodology shall remain in the department of Samhita Sidhant but for the purpose of teaching, Bio-statistician shall be required as part time to teach Research Methodology.

- iv The student failed in any of the four professional examinations in four chances shall not be allowed to continue his or her studies.

Provided that, in case of serious illness of a student and in any unavoidable circumstance, the Vice-Chancellor of concerned University may provide one more chance in any one of four professional examinations.

- v. To become eligible for joining the compulsory internship program, all four professional examinations shall be passed within a period of maximum nine years including all chances as mentioned above. All other matters concerning the examinations, reappearance in examination continuation in the Professional/year as well as passing the BAMS examination in stipulated time and internship shall be as per the ordinance of the AMRU concern with the matter.

### **9.3 EXAMINATION:**

- I. Theory examination shall be minimum 20% short answer questions having maximum mark up to 40% & minimum 4 questions for long explanatory answer having maximum marks up to 60 %. This question shall cover entire syllabus of subject.
- II. A candidate obtaining 75% marks in the subject shall be awarded distinction in the subject.
- III. The minimum marks required for passing the examination shall be 50% marks in theory and practical separately in each subject.
- IV. The supplementary examination will be held within 6 month of regular examination and failed students shall be eligible for appearing in its supplementary, as the case maybe.
- V. Minimum 75% required attendance of the student in each subject separately in theory and practical shall be essential for appearing in the examination. In this regard, class attendance card shall be maintained for each student for the different subjects. The Principal shall arrange to obtain the signature of student, teachers at the end of each course of lectures and practical instruction and send the card to each head of the department for the final completion before the commencement of the each examination.
- VI. In case the student fails to appear in the regular examination for the cognitive

reason, he/she will appear in the supplementary examination as a regular student. In such cases his/her non-appearance in the regular examination will not be treated as an attempt. Such student after passing examination will join the studies with regular students and appear for the next professional examination after completing required period of study.

VII. The following facts may be taken into consideration in the determining class work in the subject:-

- regularity in attendance
- periodical tests
- practical copy

**9.4 Medium of Examinations:** Sanskrit, Hindi any recognized Language or English.

**10.5 Examiners:-**

- (a) There shall be External and Internal Examiners for each subject of examination, to be appointed by the Vice-Chancellor on the recommendations of the Dean out of the panel of names suggested by concerned Heads of Departments. In case Paper-A is set by the External Examiner, Paper-B shall be set by the Internal Examiner and Vice-versa. However, the entire paper will be set by the External Examiner only, in case there is no eligible internal examiner in the subject.
- (b) (i) No person other than Regular/ Retired teacher with eight years teaching experience in the concerned subject shall be eligible for an examiner.  
(ii) The internal examiner in theory paper shall be the Head of the Department/senior most teacher of subject concerned.
- (c) Internal Examiner shall always be the Head of the Department of the subject concerned and in case there is no eligible Internal Examiner in the concerned subject, there will be two External Examiners. The internal examiner shall also act as Co-coordinator.

Appointment of examiners (both internal and external) will be made in such a manner that all fields of the subject are covered proportionately for examinations both in annual and supplementary.

- (d) **Tenure of Examiners:-**The Examiners (both Internal and External) shall ordinarily be appointed for a term not exceeding two years but shall be eligible for re-appointment.

- (e) **Appointment to be made by name:** Examiners shall be appointed from the approved panel by name and not by designation, but in the event of an examiner vacating the teaching appointment by virtue of which he was appointed as examiner before the expiry of his/her tenure as examiner, he shall be deemed to have resigned from the examinership.
- (f) All regular/ contractual/ Honorary Faculty in Govt. as well as Private colleges shall be the faculty of Ayurveda of Atal Medical & Research University Mandi Himachal Pradesh.
- (a) The Principal of Ayurveda College shall arrange one periodic examination i.e. house test in each part of the course. It shall be compulsory to appear in house test and to secure at least 30% marks for being given permission to appear in annual examination in addition to minimum required lectures.
- (b) The concerned faculty shall preserve the result of the house test for a period of six months from the date of declaration of the results.

## **9.6 COMPULSORY INTERNSHIP**

### **Duration of Internship**

1. The duration of compulsory rotator internship shall be one year and the student shall be eligible to join the compulsory internship programme after passing all the subjects from first to the final professional examination and the internship programme shall be start after the declaration of the result of final professional examination.
2. The internship programme and time distribution shall be as follows:-
  - i) The intern will receive an orientation regarding details of internship program along with the rules and regulations, in an orientation workshop, which will be organized during the first three day of the beginning of internship program. A workbook will be given to each intern. The intern will enter date wise details of activities undertaken by him/her during his /her training.
  - ii) Every Intern will provisionally register himself with the Himachal Ayurved and Unani Registration Board and obtain a certificate to this effect before joining internship program.
  - iii) The daily working hours of internship shall not be less than 8 hours.

- iv) Normally one year internship program will be divided to clinical training of six month on the Ayurvedic hospital attached to the college and six month in PHC/CHC/Rural hospital /District Hospital /Civil Hospital or any govt. hospital of modern medicine. Permission of the State Government for allowing the Graduates of Ayurveda in the hospital /dispensary of Modern Medicine will be obtained in advance.

Provided that where there is no provision or permission of the state govt. for allowing the graduate of Ayurveda in the hospital of modern medicine, the one year internship shall be completed in the Hospital of Ayurvedic College.

- 3 The Clinical training of six/twelve months as case may be in Ayurvedic Hospital attached to the college or in non-teaching hospitals approved by Central Council of Indian Medicine shall be conducted as follows.

Department/ months Months		Distribution of Six months	Distribution of twelve months
1	Kayachikitsa	2 Month	4 Month
2	Shalya	1 Month	2 Month
3	Shalakya	1 Month	2 Month
4	Parsuti & Striroga	1 Month	2 Month
5	Kaumarbhritya	15 Days	1 Month
6	Panchkarma	15 Days	1 Month

4. Six months training of interns shall be carried out with an object to orient and acquaint the intern with the national health programme and the intern shall undertake such training in the one of the following institute namely:
- Primary health centre
  - Community health centre or district hospital
  - Any recognized or approved hospital of modern medicine
  - Any recognized or approved Ayurvedic hospital or dispensary

Provided that the entire above institute mentioned in clause a-d shall have to be recognized by Concerned University and conserved govt. designated authority for tasking such training.

## **5. Detailed Guidelines for internship programme.**

The Guidelines for conducting the internship clinical Training of 06/12 month in the Ayurvedic Hospital attached to the college. The intern will undertake following activities in respective department as shown below:-

### **I. Kayachikitsa Duration : 2 Month/4 Month:**

- a. All routine work such as case taking, investigation, diagnosis and management common disease by the Ayurvedic medicine.
- b. Routine clinical pathological work i.e. hemoglobin estimation complete hemoglobin, urine analysis, microscopic examination of blood parasites, sputum examination, stool examination etc. Mutra evam mala pariksha by Ayurvedic method. Interpretation of laboratory of data and clinical finding and arriving at a diagnosis.
- c. Training in routine ward procedure and supervision of patient in respect of their diet habits and verification of medicine schedule.

### **II. Panchkarma-duration: 15 days /1Month:**

- a. Panchakarma procedure and techniques regarding poorvakarma, pradhankarm and paschatkarma

### **III. Shalya Duration: 1 Moth/2 months: Intern should be trained to acquaint with:**

- a. Diagnosis and management of common surgical disorder according to Ayurvedic principles.
- b. Management of certain surgical emergencies such as fracturesand dislocations, Acute abdomen etc.
- c. The practical training of aseptic and antiseptics technique, sterilization etc.
- d. Intern should be involved in pre-operative and post-operative management.
- e. Practical use of anesthetic techniques and use of anesthetic drugs.
- f. Radiological procedure, clinical interpretation of X-ray, IVP Barium meal, Sonography etc.
- g. Surgical procedures and routine ward techniques such as :-
  - i) Suturing of fresh injuries.
  - ii) Dressing of wounds, burns, ulcers etc.
  - iii) Incision of abscesses.

- iv) Excision of cysts.
- v) Venesection
- vi) Application of ksharasutra in Ano Rectal diseases.

**IV. Shalakya Duration : 1 Month /2 month:**

- a. Diagnosis and management of common surgical disorder according to Ayurvedic principles.
- b. Intern should be involved in pre-operative and post-operative managements.
- c. Surgical procedures in Ear, Nose throat, dental problems ophthalmic problems.
- d. Examination of Eye Ear and Nose throat and refractive error etc. with the supportive instrument in OPD.
- e. Procedures like Anjnana Karma, Nasya, Raktamokshan, Karnapuran, Shirodhara, Put Pak, kawal ,Gandush etc.at OPD level.

**V.Prasuti & Striroga Duration: 1 Month/2 months**

- a. Antenatal and post-natal problem and their remedies, Antenatal and post-natal care.
- b. Management of normal obstetric surgical procedures etc.
- c. Minor and major obstetric surgical procedures etc.

**VI.Balroga duration : 15 days 1 Month.** Intern will be trained to acquaint with

- a) Antenatal and post-natal problems and their remedies, Antenatal and post-natal care also by Ayurvedic principles and medicine.
  - b) Antenatal and post-natal emergencies.
  - c) Care of new born child along with immunization Program.
  - d) Important pediatric problem and their Ayurvedic management.
6. The internship training in PHC/Rural Hospital/District Hospital/Civil Hospital or any Govt. Hospital of Modern Medicine or Ayurvedic hospital or dispensary- Guidelines for conducting six month internship training in Primary Health Centre, Community Health Centre/ District Hospital. Any recognized or approved Hospital of Modern medicine & recognized or approved Ayurvedic Hospital or dispensary. Intern shall -

- i) Get acquainted with Routine of Primary Health Centre and maintenance of their record.
- ii) Get acquainted with the routine working of the medical/paramedical staff of Primary Health Centre and be always in contact with the staff in this period.
- iii) Involve in teaching of healthcare methods to rural population and also various immunization programmes.
- iv) Get acquainted with the diseases more prevalent in rural and remote areas and their management  
Get familiarized with work of maintaining of the relevant register e.g. daily patients register, family planning register, surgical register and take active participation in different Government health Schemes/ Programme
- v) participate actively in different National Health Program implemented by the state government
- vi) Participate actively in casualty section of the hospital in identification of casualty and trauma cases and their first aid treatment and also procedure for referring such cases to the identified hospitals.

**9.7 Assessment of Internship:** After completing the assignment in various sections they have to obtain a certificate from the head of the section respect of their recorded work in the section concern and finally submitted to Principal/ Head of the institute so that completion of successful internship can be granted.

#### **9.8 Migration of Internship:**

1. Migration of internship will be only with the consent of the both college & Universities, in case of Migration is between the colleges and two different universities.
- 2 In case migration is only between colleges of same university the consent of both the colleges will be required.



3. The migration will be accepted by the University on the production of character certificate issued by the institute or college and application forwarded by the college and university with NOC as case may be.

**9.9 Migration:-** Migration of a student shall be made subject to the following conditions:-

- (a) Migration shall only be permissible during the course of study in the Second Professional (Para- Clinical).
- (b) Application should be submitted on the form prescribed for the purpose by the University which should be accompanied with the fee prescribed from time to time.
- (c) He/She must have passed the First Professional (Pre-Clinical) Examination and applied for migration within three months of passing the said examination.
- (d) He/She is a bonafide resident of Himachal Pradesh.
- (e) He/She has passed the qualifying examination with atleast the minimum required marks in the Science subjects for admission to the First Professional Class of B.A.M.S.Course.
- (f) The Ayurvedic College from which he/she has sought migration is a recognized institution by the Central Council of Indian Medicine.
- (g) He/She has obtained permission of the Principals of the two Ayurvedic Colleges concerned and that the University from which he/she wants to migrate is prepared to grant the migration/transfer certificate.
- (h) All other conditions if any, lay down by C.C.I.M. are satisfied.
- (i) The student may be allowed to take migration to continue his/her study in another college after passing the first year examination. Failed students' transfer and mid-term migration will not be allowed. For migration, the students shall have to

obtain the mutual consent of both college and university and will be against the vacant seat after obtaining NOC from CCIM.

### 9.10. NUMBER OF PAPERS AND MARKS FOR THEORY /PRACTICAL

Name of the Subject	Number of hours of teaching			Details of Maximum Marks			
	Theory	Practical	Total	No. of papers	Theory	Practical	Total
<b>1<sup>st</sup> Professional</b>							
1. Padarth Vigyan evam ayurved ka Itihas	100	....	100	Two	200	....	200
2. Sanskrit	200	....	200	One	100	....	
3. Kriya Sharir	200	200	400	Two	200	100	300
4. Rachna Sharir	300	200	500	Two	200	100	300
5. Maulik Siddhant evam Asthanga Hridaya (Sutra Sthana)	150	....	150	One	100	50	150
<b>2<sup>nd</sup> Professional</b>							
1. Dravyaguna Vigyan	200	200	400	Two	200	200	400
2. Rog nidan evam vikriti vigyan	200	200	200	Two 01(pathology) 01(Ayurveda)	200	100	300
3. Rasashastra Evam Bhaishjya Kalpana Part-1	200	200	400	Two	200	200	400
4. Charak Samhita (Purvardh)	200	....	200	One	100	50	150

10.

<b>3<sup>rd</sup> Professional</b>							
1. Agad tantra ,vyavhar ayurved evam vidhi vaidyak	200	100	300	1	100	50	150
2. Swastha Vritta & Yoga	200	100	300	Two	200	100	300
3. Prasuti Tantra & Striyoga	200	200	400	Two	200	100	300
4. Balroga	100	100	200	One	100	50	150
5. Charak Samhita (Uttarardh)	200	....	200	One	100	50	150
<b>Final Professional</b>							
1. Kayachikitsa	300	200	500	Two	200	100	300
2. Panchkarma	100	200	300	One	100	50	150
3. Shalya Tantra	200	150	350	Two	200	100	300
4. Shalakya Tantra	200	150	350	Two	200	100	300
5. Research Methodology & Medical Statistics	50	....	50	One	50	....	50

**Note:-**

1. The period of theory and practical shall not be less than 60 minutes (One hour). The duration of the practical or clinical subjects and Rachna Sharir (Dissection shall be of at least 120 minutes (two hours).
2. Clinical training of the students will start from third year onwards.
3. The clinical training in the hospital attached with college to the students shall be as follows:-

i)	Kayachikitsa (Indoor and Outdoor )	18months
a)	Kayachikitsa(Samanya)	06months
b)	Manasroga	03months
c)	Rasayan&Vajikarn	03months
d)	Panchakarma	03months
e)	Rog VigyanVikrutiVigyan	03months
ii)	Shalya (In door &Outdoor)	09months
a)	Shalya(Samanya)	03months
		(alleast one month in OT)
b)	Shalya (Kshar &Anushastra Karma)	03months
		(alleast one month in OT)
c)	Ksharsuna	02months
d)	Anaesthesia	15days
e)	Radiology	15days
iii.	Shalakya Tantra(In door &Outdoor)	04months
		(alleast one month in OT)
iv)	Prasuti Tantra AvamStrigora	03months
		( Outdoor & Indoor)
v)	Kaumar Bhritya ( Outdoor &Indoor)	01month
vi)	Atyayik(casualty)	02months

#### **9.11: Qualification & Experience for teaching staff** of Govt. and

Private Colleges for UG teacher):

**Note:-**Applicable for direct recruitment but age will be relaxed in case of promotion

##### **(i) ESSENTIAL:**

- A degree in Ayurveda from a University established by law or a statutory Board /Faculty/examining Body of Indian Medicine or its equivalent as recognized under Indian Medicine Central Council Act, 1970.
- A post-Graduate qualification in the subject/ Speciality included in the schedule to Indian Medicine Central Council Act, 1970.

##### **ii) EXPERIENCE:**

###### **a) For the post of Professor:**

Ten year teaching experience in concerned subject or 5 year teaching experience as associate professor (reader) in concerned subject or 10 year research experience in regular service in research councils of central govt. or state govt. or union territory or university or national institutions with minimum 5 papers published in recognized journals.

**b) For the post of Reader or Associate Professor:**

5 year teaching experience in concerned subject or 5 year research experience in regular service in research councils of central govt. or state govt. or union territory or university or national institutions with minimum 3 papers published in recognized journals.

**c) For the post of Assistant Professor or lecturer:-**

The age shall not exceed 45 years at the time of first appointment and it may be relaxed for in service candidates as per the existing rules. No teaching experience is required.

NOTE:- Priority shall be given to the candidates having Doctoral in the Ayurveda.

**d) Qualification and experience for the post of Head of the Institution:-** the qualification and experience for the post of head of institution(principal/dean/director) shall be same qualification and experience prescribed for the post of professor.

e.) The Private College Faculty will be considered as Faculty of University subject to NOC from State Govt. and letter of consent from University w.e.f. their joining on regular basis.

f.) **Provision of allied subject:** In absence of the candidate of Post-Graduate qualification in the subject concerned as mentioned in column 2 of table the candidate of post graduate qualification in the allied subject as mentioned in column(3) of the table shall be considered eligible for the post of Lecturer or Assistant professor , Reader or Associate professor and Professor.

S.No.	Speciality Required	Name of the allied Subject
(1)	(2)	(3)
1	Swasthavritta	Kayachikitsa
2	Agada Tantra	Dravyaguna Or Rasasastra
3	Roga Vigyan	Kayachikitsa
4	Rachana Sharir	Shalya
5	Kriya Sharir	Ayurveda Samhita Evam Siddhanta Or Kayachikitsa

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6	Shalakya	Shalya
7	Panchakarma	Kayachikitsa
8	Balaroga	Prasuti Evam Stri Roga
9	Kayachikitsa	Manasaroga
10	Shalya	Nischetana Evam Ksha-Kirana
11	Prasuti Evam Stri Roga	Shalya Tantra

**NOTE 1-**The provision of allied subject may be allowed for five years from the date of publication of these regulations.

**NOTE 2-** The teachers who had been considered eligible in the past on the basis of previous regulation shall not be considered ineligible on the basis of amendment.

**NOTE 3-** the research experience of regular doctor of philosophy (Ph.D) holder may be considered equivalent to one year teaching experience.

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## CHAPTER-X

### PROPOSED MD/MS (AYU.) PART OF ORDINANCE

#### ATAL MEDICAL & RESEARCH UNIVERSITY NERCHOWK MANDI H.P.

**10.1 Aims and objects-** The aims of the post-graduate degree courses shall be to provide orientation of specialties and super-specialties of Ayurveda, and to produce experts and specialists who can be competent and efficient teachers, researchers and profound scholars in various fields of specialization of Ayurveda.

**10.2 Specialties in which post-graduate degree shall be conducted: -** The post-graduate degrees shall be allowed in the following specialties as under:-

Sr No	Name of Speciality	Nearest terminology of Modern subject	Department in which Post-graduate degree can
(1)	(2)	(3)	(4)
<b>Pre-clinical specialty</b>			
1	Ayurveda Samhita Evam Siddhant	Ayurveda Samhita and basic principles of Ayurveda	Samhita and basic principle Ayurveda
2	Rachana Sharira	Anatomy	Rachana Sharira
3	Kriya Sharira	Physiology	Kriya Shariar
<b>Para-Clinical Specialty</b>			
4	DravyagunaVigyana	Material Media and Pharmacology	Dravyaguna
5	Rasa Shastra evam Bhaishajya Kalpana	Ayurveda Pharmaceuticals	Rasa Shastra evam Bhaishajya
6	Roga Nidana evam Vikriti Vigyana	Diagnostic Procedure and Pathology	Roga Nidana evam Vikriti Vigyana
<b>Clinical Specialty</b>			
7	Prasuti evam Stri Roga	Obstetrics and Gynecology	Prasuti evam Roga
8	Kaumarabhritya –Bala Roga	Pediatrics	Kaumarabhritya –Bala Roga
9	Swasthavritta	Preventive social medicine	Swasthavritta and Yoga
10	Kayachikista	Medicine	Kayachikitsa
11	Rasayana evam Vajikarana	Rejuvenation and Aphrodisiacs	Kayachikista
12	Mano Vigyana evam Manasa Roga	Psychiatry	Kayachikista
13	Shalya	Surgery	Shalya Tantra
14	Shalakya	Diseases of Eye, Ear, Nose, Throat, Head, Neck, Oral and Dentistry	Shalakya Tantra
15	Panchakarma	Panchakarma	Panchakarma
16	Agada Tantra	Toxicology and Forensic Medicine	Agada Tantra
17	Yoga	Yoga	Swasthavritta & Yoga

**10.3 Nomenclature of post-graduate degree.-** The nomenclature of post –graduate degree in respective

specialties shall be as under:-

<b>Sr. no</b>	<b>Nomenclature of specialty or degree</b>	<b>Abbreviation</b>
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>
<b>Pre-clinical specialty</b>		
1	Ayurveda Vachaspati-Ayurveda Samhita Evum	M.D. (Ayurveda)- Compendium and Basic Principles
2	Ayurveda Vachaspati- Rachana Sharira	M.D. (Ayurveda) – Anatomy
3	Ayurveda Vachaspati – Kriya Sharira	M.D. (Ayurveda) – Physiology
<b>Para-Clinical Specialty</b>		
4	Ayurveda Vachaspati-Dravyaguna Vigyana	M.D. (Ayurveda) - Material Medical and Pharmacology
5	Ayurveda Vachaspati -Rasa Shastra evam Bhaishajya Kalpana	M.D. (Ayurveda) - Ayurveda Pharmaceuticals
6	Ayurveda Vachaspati - Roga Nidana evam Vikriti Vigyana	M.D. (Ayurveda) - Diagnostic Procedure and Pathology
<b>Clinical Specialty</b>		
7	Ayurveda Dhanvantari – Prasuti evam Stri Roga	M.D. (Ayurveda) - Obstetrics and Gynecology
8	Ayurveda Vachaspati – Kaumarabhritya – Bala Roga	M.D. (Ayurveda) - Pediatrics
9	Ayurveda Vachaspati - Swasthavritta	M.D. (Ayurveda) – Social and Preventive Medicine
10	Ayurveda Vachaspati - Kayachikitsa	M.D. (Ayurveda) - Medicine
11	Ayurveda Vachaspati – Rasayana evam Vajikarana	M.D. (Ayurveda) – Rejuvenation and aphrodisiacs
12	Ayurveda Vachaspati – Mano vigyana evar Manasa	M.D. (Ayurveda) - Psychiatry
13	Ayurveda Vachaspati - Shalya	M.D. (Ayurveda) - Surgery
14	Ayurveda Vachaspati - Shalakya	M.D. (Ayurveda) – Diseases of Eye, Ear, Nose, Throat, head, Neck, Oral and Dentistry
15	Ayurveda Vachaspati - Panchkarma	M.D. (Ayurveda) - Panchakarma
16	Ayurveda Vachaspati – Agada Tantra	M.D. (Ayurveda) – Toxicology and



**10.4 Minimum requirement for post-graduate institution where under-graduate course is in existence-** the post-graduate institute where under-graduate course is in existence shall fulfill following requirements, namely:-.

1. The under-graduate institution which has completed minimum four and half years of under-graduate teaching shall be eligible for applying to start post-graduate courses.
2. The institute shall satisfy all the minimum requirements of under-graduate training as specified in the Indian Medicine Central Council (Requirements of Minimum Standard for under-graduate Ayurveda colleges and attached Hospitals) Regulations, 2016 as amended from time to time.
3. The institute shall have all the equipment and research facilities required for training in the related specialty and subject as specified in the Indian Medicine Central Council (Requirements of Minimum Standard for under-graduate Ayurveda Colleges and attached Hospitals) Regulations, 2016 as amended from time to time.
4. The institute shall have Central Research Laboratory and Animal House for starting post-graduate Course, Animal House shall be either owned or in collaboration.
5. The Additional Ancillary staff like Biochemist, Pharmacologist, Bio Statistician, Microbiologist to be appointed and the Qualification shall be Post-Graduate degree in the subject concerned or equivalent qualification from a recognized University.
6. The minimum additional teaching staff required for starting post-graduate course shall be one Professor or Reader and one Lecturer of the concerned subject, in addition to the teachers stipulated for under-graduate teaching, and the specialty which does not exist as independent department at under-graduate level shall have minimum one Professor or Reader and one Lecturer for starting post-graduate course.
7. The post-graduate department or specialty shall have minimum one Professor in concerned subject or specialty.
8. The institute shall have a fully equipped hospital consisting of minimum one hundred beds with specialty- wise adequate facilities in all departments as specified in the Indian Medicine Central Council (Requirements of Minimum Standard for under-graduate Ayurveda Colleges and attached Hospitals) Regulations, 2016 as amended from time to time.
9. In the post-graduate institute having under-graduate course with upto sixty seats, ten post-graduate seats in clinical subjects shall be admissible within the bed strength and for more than ten

post-graduate seats in clinical subjects, additional beds in the student: bed ratio of 1:4 shall be provided over the bed strength as specified in the Indian Medicine Central Council (Requirements of Minimum Standard for under-graduate Ayurveda Colleges and attached Hospitals) Regulations, 2016 as amended from time to time.

10 The post-graduate in pre-clinical or para-clinical subject shall be admissible on the basis of bed strength as specified in the Indian Medicine Central council (Requirement of Minimum Standard for under-graduate Ayurveda Colleges and attached Hospitals) Regulations, 2016 as amended from time to time.

11. The post-graduate institute having under-graduate course with sixty-one to hundred seats shall require additional beds for post-graduate seats in clinical subjects in the student: bed ratio of 1:4 over the bed strength.

12. The minimum annual average bed-occupancy in In-Patient Department of the hospital during last one calendar year (i.e. 365 days and 366 days in case of a leap year) shall be more than fifty per cent. And minimum daily average attendance of patients in Out-Patient Department of the hospital during last one year (300 days) shall be minimum one hundred and twenty patients per day for the colleges having post-graduate course(s) with upto sixty under-graduate seats and minimum two hundred patients per day for the colleges having post-graduate course(s) with sixty-one to hundred under-graduate seats.

13 In clinical departments, for additional beds increased for clinical post-graduate seats, one Clinical Registrar or Senior Resident or Resident Doctor shall be provided for every twenty beds.

14 All the teacher of Govt./Private college will be considered Ayurveda Faculty member of AMRU for all provision subject to fulfill CCIM norms.

**10.5 Post-graduate Institute where under-graduate course is not in existence:-** The post-graduate institute where under-graduate course is not in existence shall fulfill following requirements, namely:-

- 1) The institute shall have fully developed Departments with infrastructure as specified in the Indian Medicine Central Council (Requirements of Minimum Standard for under-graduate Ayurveda Colleges and attached Hospitals) Regulations, 2016 as amended from time to time, in which post-graduate course is being conducted.
- 2) The institute shall have all the equipment and research facilities required for training in the related specialty and subject as specified in the Indian Medicine Central Council (Requirements of Minimum Standard for under-graduate Ayurveda College and attached Hospitals) Regulations, 2016 as amended from time to time.

- 3) The institute shall have Central Research Laboratory and Animal House for starting post-graduate Course, Animal House shall be either owned or in collaboration.
- 4) The Additional Ancillary staff like Biochemist, Pharmacologist, Bio Statistician, Microbiologist to be appointed and the Qualification shall be Post Graduate degree in the subject concerned or equivalent qualification from a recognized University.
- 5) The department, in which post-graduate course is being conducted shall have minimum three faculties; one Professor, one Reader or Associate Professor and one Lecturer or Assistant Professor; or one Professor or Reader or Associate Professor and two Lecturers or Assistant Professors in each concerned subject or specialty.
- 6) Consultants or part time teachers in concerned specialty as specified in the Indian Medicine Central Council (Requirements of Minimum Standard for under-graduate Ayurveda Colleges and attached Hospitals) Regulations, 2016 as amended from time to time shall be engaged for teaching on part time basis.
- 7) The post-graduate department or specialty shall have minimum one Professor in concerned subject or specialty.
- 8) Minimum one hundred beds in the hospital and minimum annual average bed-occupancy in In-Patient Department of the hospital during last one calendar year (365 days and 366 days in case of a leap year) shall be more than fifty percent.
- 9) Minimum daily average attendance of patients in Out-Patient Department of the hospital during last one calendar year (300 days) shall be minimum one hundred and twenty patients per day.
- 10) Twenty-five post-graduate seats in clinical subjects shall be admissible within the bed strength and for more than twenty-five post-graduate seats in clinical subjects, additional beds in the student: bed ratio of 1:4 shall be provided over the bed strength as specified in the Indian Medicine Central council (Requirements of Minimum Standard for under-graduate Ayurveda Colleges and attached Hospitals) Regulations, 2016 as amended from time to time.
- 11) The institute conducting post-graduate course in clinical specialty shall have related Out-Patient Departments and In-patient departments and laboratory in the hospital as per the Indian Medicine Central Council (Requirements of Minimum Standard for under-graduate Ayurveda colleges and attached Hospitals) Regulations, 2016 as amended from time to time and the total attendance of patients in those Out-Patient Departments and In-patient departments shall be taken in to account for the purpose

of determining minimum daily average attendance of patients.

- 12) The institute conducting post-graduate course in pre-clinical or para-clinical specialty shall have any of Out-patient Departments and In-patient departments and related laboratory in the hospital as per the Indian Medicine Central council (Requirements of Minimum Standard for under-graduate Ayurveda colleges and attached Hospitals) Regulation,, 2016 ad amended from time to time and the total attendance of patients in those out-Patient Departments and In-patient departments shall be taken in to account for the purpose of determining minimum daily average attendance of patients.
- 13) In clinical departments, the beds for clinical post-graduate seats, one Clinical Registrar or Senior Resident or Resident Doctor shall be provided for every twenty beds.

Note:- The vacant post may be filled up on contractual basis with retired professors or Readers or Associate Professors or Lecturers or Assistant Professors below the age of sixty-five years in any department, till the regular appointment is made or as per CCIM/AYUSH Ministry GOI notifications from time to time.

#### **10.6 A. Mode of admission:**

1. A person possessing the degree of Ayurvedacharya (Bachelor of Ayurveda Medicine and Surgery) from a recognized University or Board or Medical institution specified in the Second Schedule to the Act and enrolled in Central or State register of Indian System of Medicine shall be eligible for admission in the post-graduation course.
2. (i) There shall be a uniform entrance examination to all medical institutions at the post-graduate level namely, the all India AYUSH Post Graduate Entrance Test (AIA-PGET) for admission to post-graduate course in each academic year and shall be conducted by an authority designated by the Central Government:

Provided that the said All India AYUSH Post Graduate Entrance Test (AIA-PGET) shall not be applicable for foreign national's candidates.

- (ii) In order to be eligible for admission to post-graduate courses for an academic year, it shall be necessary for a candidate to obtain minimum of marks at 50<sup>th</sup> percentile in the 'All India AYUSH Post Graduate Entrance Test (AIA-PGET)' held for the said academic year:

**Provided that in respect of-**

- a) Candidates belonging to the scheduled Castes, Scheduled Tribes and Other Backward Classes, the minimum marks shall be at 40<sup>th</sup> percentile;
  - b) Candidates with benchmark disabilities specified under the Rights of Persons with Disabilities Act, 2016 (49 of 2016), the minimum marks shall be at 45<sup>th</sup> percentile for the General Category and 40<sup>th</sup> percentile for the Scheduled Castes, Scheduled Tribes and Other Backward Classes.
- (iii) An all India common merit list as well as State-wise merit list of the eligible candidates shall be prepared on the basis of the marks obtained in the All India AYUSH Post Graduate Entrance Test (AIA-PGET) and the candidates, within the respective categories, shall be admitted to post graduate course from the said merit lists only.
- (iv) The seat matrix for admission in the Government, Government-aided Institutions and Private Institutions shall be fifteen percent for the all India quota and eight-five percent for the States and Union territories quota:-
- “Provided that-
- ◆ Those Institutes which are already having more than fifteen percent all India quota seats shall continue to maintain that quota;
  - ◆ Five percent of the annual sanctioned intake capacity in Government or Government-aided Institutions shall be filled up by candidates with benchmark disabilities in accordance with the provisions of the Rights of persons with Disabilities Act, 2016 (49 of 2016), based on the merit list of ‘all India AYUSH Post Graduate entrance Test (AIA-PGET). In respect of such candidates with benchmark disabilities the minimum marks shall be at 45<sup>th</sup> percentile for General Category and 40<sup>th</sup> percentile for Schedule Castes, Schedule Tribes and Other Backward classes.
- (v) The designated authority for counseling of States and Union territories quota for admissions to post-graduate course in all Ayurveda educational institutions in the States and Union territories including institutions established by the State Government, University, Trust, Society, Minority Institution, corporation or company shall be the respective State or Union territory in accordance with the relevant rules and regulations of the concerned State or Union territory Government, as the case may be;

- (vi) The counseling for all admissions to post-graduate course for seats under the all India quota as well as for all Ayurveda educational institutions established by the Central Government and all Deemed Universities both Government and private shall be conducted by the authority designated by the Central Government”.
- (vii) No candidates who has failed to obtain the minimum eligibility marks as specified above shall be admitted to post-graduate course in the said academic year.
- (viii) The authority or institution which grants admission to any student in contravention of the aforesaid criteria or procedure shall be liable to face action in terms of the provisions of the Act.
- (3) The sponsored candidates shall also be required to possess the percentile of marks specified in clause (ii) of sub-regulation(2)
- (4) Change of subject shall be permissible within a period of two months from the date of admission, subject to availability of vacancy and guide in the concerned department”.

#### **10.7. Duration of course and attendance-**

- 1) The student shall have to undergo study for a period of three year after the admission.
- 2) The student shall have to attend minimum seventy-five per cent of total lectures, practical's and clinical tutorials or classes to become eligible for appearing in the examination.
- 3) The student shall have to attend the hospital and other duties as may be assigned to him during the course of study.
- 4) The student of clinical subject shall have to do resident duties in their respective departments and student of non-clinical subject shall have duties in their respective departments like Pharmacy or herbal Garden or Laboratory during the course of study.
- 5) The maximum duration for completion of the course shall not exceed beyond the period of six years from the date of admission to the course.
- 6) The maximum duration for completion of the course shall not exceed beyond the period of six years from the date of admission to the course.

- 7) Web based centralized biometric attendance system shall be required for the attendance of post-graduate students and manual attendance at department level in which student is pursuing the post-graduate course.
- 8) If any MD/MS (Ay.) student remains on long leave during the course, period of that leave may be extended at the end of the course.

#### **10.8 Method of training:-**

1. In the first year of the course, the students shall have to acquire knowledge in the applied aspects of the fundamentals of Ayurveda.
2. Intensive training shall be provided in classical knowledge along with comparative and critical study in the respective specialty.
3. The emphasis shall be given on intensive applied and hands on training.
4. The student shall have to acquire the knowledge about the methods and techniques of research in the respective fields marking use of information technology.
5. In clinical subjects, students shall undertake responsibility in management and treatment of patients independently and deal with emergencies.
6. The student shall undertake training in teaching technology and research methods and shall participate in the teaching and training programs of under-graduate students or interns in the respective subjects during the course the maximum duration for completion of the course shall not exceed beyond the period of six years from the date of the studies.
7. In the clinical training, the student shall have to acquire knowledge of independent work as a specialist.
8. In the specialties of Shalya, Shalakya and Prasuti- Stri Roga, the student shall undergo training of investigative procedures, techniques and surgical performance of procedures and management in the respective specialty.

#### **10.9Dissertation:-**

- 1) The title of the dissertation along with the synopsis, with approval of the Ethics Committee constituted by the institute as per regulations of concerned recognized University, shall be submitted to the University within a period of six months from the date of admission to the post-graduate course.
- 2) **If the student** fails to submit the title of dissertation and synopsis within the period specified, his terms for final post-graduate course shall be extended for six months or more in accordance with the time of submission of the synopsis to the University.

- 3) The synopsis of the proposed scheme of work shall indicate the expertise and action plan of work of the student relating to the proposed theme of work, the name of the department and the name and designation of the guide or supervisor and co-guide (if any).
- 4) The University shall approve the synopsis not later than three months after submission of the synopsis.
- 5) A board of Research Studies shall be constituted by the University for approving the title.
- 6) The University shall display the approved synopsis of dissertation on their website.
- 7) The subject of every dissertation shall be research oriented, practical oriented, innovative and helpful in the development of Ayurveda system and the subject of the dissertation shall have relation with the subject matter of the specialty.
- 8) Once the title for dissertation is approved by the Board of Research Studies of the University, the student shall not be allowed to change the title of the proposed theme of work without permission of the University.
- 9) No student shall be allowed to submit the dissertation before six months of completion of course and the student shall continue his regular study in the institution after submission of dissertation to complete three years.
- 10) The dissertation shall contain the methods and data of the research carried out by the student on the problem selected by him and completed under the guidance of the guide or supervisor approved by the University.
- 11) The dissertation shall consist of critical review of literature, methodology, results of the research, discussion on the basis of research findings of the study, summary, conclusion, and references cited in the dissertation shall be suitable for publication.
- 12) The dissertation shall consist of not less than forty thousand words.
- 13) The dissertation shall contain, at the end, a summary of not more than one thousand and five hundred words and the conclusion not exceeding one thousand words.
- 14) The guide or supervisor shall be a person of status of a professor or Reader or Associate Professor.
- 15) Lecturer or Assistant Professor having five years University approved teaching experience in the subject concerned shall eligible for guide or supervisor.
- 16) Five copies of the bound dissertation along with a certificate from the supervisor or guide shall reach the office of the Registrar of the University four months before the



final examination.

- 17) The dissertation shall be assessed by two external examiners and two internal examiners appointed by the University.
- 18) The dissertation shall be accepted only after the approval of examiners appointed and in case of disapproval by one external examiner, the dissertation shall be referred to third external examiner approved by the University concerned.
- 19) If the dissertation is not accepted by two external examiners, the same shall be returned to the student with the remarks of the examiners and the student shall resubmit the dissertation after making necessary improvement in the light of examiners' report to the University within a further period of six months.
- 20) The student shall be permitted to appear in the final examination of post-graduate degree course only after approval of the dissertation by the examiners.
- 21) Inter-disciplinary research may be done by co-opting the guide or supervisor from the concerned specialty.
- 22) If a para-clinical or pre-clinical subject student takes a thesis topic involving clinical trials then he/she shall work under co-guide of a clinical teacher of the specialty concerned for preparing the thesis.

#### **10.10 Examination and assessment.-**

- 1) The post-graduate degree course shall have two examinations in the following manner, namely:-
  - a) The preliminary examination shall be conducted at the end of one academic year after admission;
  - b) The final examination shall be conducted on completion of three academic years after the admission to post-graduate course;
  - c) Examination shall ordinarily be held in the month of June or July and November or December every year;
  - d) For being declared successful in the examination, student shall have to pass all the subjects separately in preliminary examination;
  - e) The student shall be required to obtain minimum fifty per cent marks in practical and theory subjects separately to be announced as pass;
  - f) If a student fails in preliminary examination, he shall have to pass before appearing in the final examination;
  - g) If the student fails in theory or practical in the final examination, he/she have to

appear in both theory & practical examinations without requiring to submit a fresh dissertation;

- h) The subsequent examination for failed candidates shall be conducted at every six months interval; and
- i) The post-graduate degree shall be conferred after the dissertation is accepted and the student passes the final examination.
  - 1. The examination shall be aimed to test the clinical acumen, ability and working knowledge of the student in the practical aspect of the specialty and his fitness to work independently as a specialist.
  - 2. The clinical examination shall be judge the competence of the student in Ayurveda and scientific literature of the specialty.
  - 3. The viva-voce part of the practical examination shall involve extensive discussion on any aspect of subject or specialty.

#### **10.11Subjects of Examination:-**

- 1. The preliminary examination at the end of one academic at the end of one academic year after admission shall be conducted in the following subjects, namely:-
  - Paper I-
  - PART-A: Research Methodology
  - PART-B: Bio or Medical Statistics
  - ;PaperII-
  - PART A-Applied aspects of fundamentals regarding concerned subjects.
  - PART B- Concerned subjects
- 2. The student shall have to undergo training in the department concerned and shall maintain month-wise record of the work done during the last two years of study in the specialty opted by him as under:-
  - a) Study of literature related to specialty;
  - b) Regular clinical training in the hospital for student of clinical subject;
  - c) Practical training of research work carried out in the department, for student of pre-clinical and para-clinical subject;
  - d) Active participation in various seminars, symposia and discussions; and
  - e) Progress of the work done on the topic of dissertation.
- 3. The assessment of the work done by the students of first year post-graduate course during the first year shall be done before the preliminary examination. The final

examination shall include dissertation, written papers and clinical or practical and oral examination.

4. There shall be four theory papers in each specialty and one practical or clinical and vive-voce examinations in the concerned specialty or group of sub-specialties selected by the student for special study.
5. The student shall publish or get accepted minimum one research paper on his research work in one journal and one paper presentation in regional level seminar.

**10.12 Mode of examination and appointment of examiners(s)-**

1. The preliminary examination and final examination shall be held in written, practical or clinical and oral examination.
2. The preliminary examination shall be conducted by a team of two examination, out of which one examiner shall be external from any other institution and the final examination shall be conducted by a team of four examiners , out of which two examiners shall be external from any other institution.
3. A teacher with five years teaching or research experience in concerned subject or specialty shall be considered eligible for being appointed as an examiner.

**10.13 Declaration of Result:-**

**The M.D. Ay./M.S. Ay. Degree shall be conferred on the candidate only after the candidate passed both the preliminary and final examinations.**

**10.14 Facilities for post-graduate students.-** the stipend and contingency shall be provided at the rates decided by the Central Government for institutes of its control or respective State Government for institutes of its control or University as the case may be.

**10.15 Teacher- student ratio-**

1. The teacher-student ratio shall be such that the number of post-graduate teachers to the number of post-graduate students admitted per year is maintained as 1:3 in case of professor and 1:2 in case of Reader or Associate Professor.
2. The teacher student ratio shall be 1:1 in case of Lecturer or Assistant professor having minimum of five years teaching experience.

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**10.16 The maximum number of students in post-graduate course:-** The maximum number of students per year per specialty shall not exceed twelve.

**10.17 Medium of instruction:-** The medium of instruction shall be Sanskrit or Hindi or any recognized regional language or English.

**10.18 Date of Completion of permission process and cut-off-date for admission in Ayurveda Colleges:-** 1. The process of grant or denial of permission to the Ayurveda college colleges for taking admissions in post-graduate course shall be completed by the 31th July of each academic session or as per CCIM notifications.

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## **FACULTY OF DOCTOR OF PHILOSOPHY – Ph.D. (Ayurveda)**

1. A person desirous of supplicating for the degree of Doctor of Philosophy in the Faculty of Ayurveda in following 14 subjects (Agad Tantra, Ayurved Samhita Evum Siddhant, Dravyaguna, Kaumarabhritya, Kayachiktisa, Kriya Sharira, Panchakarma, Prasuti evam Stri Roga, Rachana Sharira, Rasa Shashtra evam Bhaishajya Kalpan, Rog Nidana evam Vikriti Vigyana, Shalakya, Shalya and Swasthavritta) shall apply for registration to the registrar in the prescribed form accompanied by the fee as under:-

(a) (i) for those who are already registered with this University Rs. 1000/-

(i) For those who have passed qualifying examination from other University but are not registered with this University Rs. 1500/-

(b) the fee once deposited is not refundable.

2. Every application for registration shall be considered by a Standing committee consisting of the following:-

(i) Dean of Faculty – Chairman

(ii) Head of the Department.

(iii) All Professors in the Department concerned

(iv) One Associate Prof./Asst. Professor to be appointed by the Pro-vice-chancellor/ Vice-Chancellor for two years by rotation on the basis of seniority.

Provided further that when a teacher appointed on the Standing Committee goes on leave for a period of more than two months, the Pro-Vice-Chancellor/Vice-Chancellor may nominate the next eligible teacher concerned during the absence of leave period of the regular teacher/member as the case may be.

However, the meeting will be convened by the Head of the department concerned with the prior approval of the Dean of the Faculty concerned who will chair the meeting.

3. The Standing Committee may permit registration or reject the application or may order the postponement of registration, as the circumstances of the case may warrant. If the

registration is accepted, the Standing Committee shall appoint a Supervisor(s) to guide the candidate. The Standing Committee can change the Supervisor(s) on the following circumstances:-

- a) if the application is made for the change within one year from the registration;
- b) the change may be allowed after two years of registration with mutual consent of the Supervisor and the candidate;
- c) If the Supervisor expresses his inability to supervise the candidate;
- d) If the supervisor leaves the University and the candidate is not able to seek guidance from him for any reason. No change of Supervisor(s) normally be allowed after three years from the date of registration. However, the standing committee can make the change of Supervisor(s) at any time under special circumstances for reasons to be recorded in writing.

**4. Eligibility criteria for Ph.D. supervisor:** To be eligible to be appointed as supervisor a person must have himself obtained a research degree or must have already guided the research of Ph.D. candidate in a University established by law.

The number of candidates to be supervised or jointly supervised shall not ordinarily exceed ten.

- 5(a)** the Supervisor during the period of enrolment will observe the research student closely to ascertain whether he is really capable of doing research. The Supervisor, however, will not decide the issue before 3 months from the date of enrolment. The Supervisor will submit his views in writing to the Research Degree Committee for final decision.

(b)The Supervisor shall guide a student in the selection of a suitable research problem, and in all other matters, relating to the student's academic work. The synopsis should include the details of the programme of study, plan of the research project, indicating the work already done in the subject, bibliography and the methodology of research which is proposed to be employed.

6. If the Supervisor of a candidate doing research work for the Ph.D. degree of another University Joins the staff of the University the candidate doing research work under his supervision, if otherwise eligible, may be allowed to enroll himself as a candidate for the Ph.D. degree of this University under the same Supervisor, subject to the fulfilment of the requirements of this chapter.

7. The Research Degree Committee for each subject shall consist of the following:-

- (i) Dean of faculty –chairman
- (ii) H.O.D and professor of the Department concerned, and
- (iii) Upto three expert nominated by the Pro –Vice Chancellor/Vice- Chancellor, and
- (iv) Supervisor of the candidate concerned.

Provided, further that when a teacher appointed on the Research Degree Committee goes on leave for a period of more than two month, the Pro-Vice-Chancellor/ Vice-Chancellor may appoint the next eligible teacher concerned during the absence of leave period of the regular teacher/ member as the case may be However, the meeting will be convened by the Head of the department concerned at least once in six months with the prior approval of the Dean of faculty concerned who will chair the meeting.

8. The Research Degree Committee shall meet as often required by the Dean of the Faculty.

9.(a) The Research Degree Committee shall consider the plan of research of the candidate and may either approve of it, with or without modifications or require another plan to be submitted.

(b) Any changes or modifications or additions, suggested by the Research Degree Committee shall be incorporated by the candidate in the plan of course work and research.

(c) Any substantial modifications or change in the research project shall require the prior approval of the Research Degree Committee.

#### **10. Regularity and Progress Report:**

(i) The Ph.D. scholar shall submit a six monthly Progress report through the supervisor and HOD to the Research Degree Committee. The approval of the report by the RDC will be required for continued registration of the candidate to the Ph.D. programme. Failure by the candidate to submit the progress report to the RDC would lead to automatic cancellation of registration.

(ii) Within a year of registering for Ph.D. the candidate shall present the synopsis of the proposed research at an open seminar in the department, incorporate the suggestions and then submit it to the Research Degree Committee. The RDC may either accept the synopsis

or recommend further changes before re-submission.

- (iii) Prior to submission of the thesis, the student shall make a pre-Ph.D. presentation in the department that may be open to all faculty members and research students, for getting feedback and comments, which may be suitably incorporated into the draft thesis under the advice of supervisor.
  - (iv) Scholars who are in service/employed will be required to submit a 'No Objection Certificate' to standing committee for approval of their registration to the Ph. D. programme.
  - (v) Ph.D. candidate shall publish one research paper in a referred journal before the submission of the thesis/monograph for adjudication, and produce evidence for the same in the form of acceptance letter or the re-print.
  - (vi) On receipt of satisfaction evaluation reports, Ph.D. students shall undergo a viva-voce examination which shall also be openly defended.
  - (vii) All the UGC regulations published in the Gazette of India No. 28 dated July, 11-July 17, 2009 part-II Section-4 as amended from time to time shall be applicable for the award of Ph.D. degree after issuing necessary notification by the University in this regard.
10. The candidate shall pursue his research at such place or places as may be approved by the Standing Committee of the Department.

## **12. Procedure for admission to Ph.D. Programme:**

### **ELIGIBILITY FOR ADMISSION:**

(A person holding a recognized post-graduate degree i.e. MD(Ayurveda)/MS (Ayurved) in any Ayurvedic subject recognised by CCIM, from any Indian University or Foreign University or Equivalent with a minimum of 55% marks in aggregate (of all the years) where marks are awarded

or

- (ii) Those candidates who are not having or mentioned any marks/grades in their PG degree will also be eligible for admission in Ph.D. (Ay.) course.
- (iii) A relaxation of 5% or equivalent grade point in the minimum eligibility shall be applicable to the applicant of SC/ST/OBC (Non Creamy Layer) and person with disability (PWD) categories.



### **Entrance Examination**

- I. Candidates seeking admission in the Ph.D. course shall undergo entrance examination.
- II. There shall be one multiple choice questions (MCQs) type paper of 100 marks. Duration of the entrance test shall be 90 minutes and standard of questions shall be of postgraduate level of the subject concerned. Syllabus shall consist of Research methodology and statistics (50 questions of one mark each) and subject specific (50 questions of one mark each).
- III. Qualifying marks to be eligible for admission to the Ph.D. programme shall be 50% in aggregate. A relaxation of 5% marks, shall be allowed for those belonging to SC/ST/OBC (Non-Creamy layer)/ person with disability (PWD) and other categories of candidate as per the decision of the State Govt. from time to time. Reservation policy shall be followed as per the decision of the Central/State Govt. from time to time. In special situations, the Hon'ble Vice-Chancellor can take decision regarding admission process.
- IV. Candidates qualifying the written exam shall be called for interview which shall be taken by a duly constituted committee under the chairmanship of the dean.
- V. Final result shall be declared after the interview.
- VI. Simply qualifying the Ph.D. (Ay.) entrance test does not give right to candidate for getting admission. It is subjected to availability of seat, facilities and fulfilling other criteria.

13. (a) The minimum duration for the Ph.D. degree shall be three years.

Normally, a candidate shall be required to complete his research under the direct supervision of his Research Guide. However, a candidate who is a full time teacher or the person in service shall be treated as part time Ph. D. candidate and shall be permitted to complete the research work at his college or place of his duty or appointment. In such condition, it shall be mandatory for such teacher candidate or person in Government / Private Service to work at least 90 days in the full tenure of the Ph.D. course, by ay of leave/vacation/deputation, etc. under direct supervision of his research guide before submission of the final dissertation. Regular teaching faculty of Rajiv Gandhi Govt. Post Graduate Ayurvedic College Paprola shall be exempted from 90 days of attendance.

(b)The thesis must be submitted within five years of the registration, after which period the registration shall stand cancelled, but the candidate may be allowed to register himself again with some other subject, or in exceptional circumstances, such as prolonged illness, extending over several years, or exigencies of military service, on the same subject; provided that the Pro-Vice Chancellor/ Vice-Chancellor may condone delay upto two years

with a fee of Rs. 10,000/- for submission of thesis on the recommendations of the supervisor.

14. A thesis for the Ph.D. degree shall fulfil the following requirements:

- (a) It must consist of the candidate's own account of the research work done by him.
- (b) It must form a distinct contribution to the knowledge of the subject and afford evidence of originality shown by discovery of new facts or by the exercise of independent critical power.
- (c) Its literary presentation must be satisfactory and it must be suitable for publication either as submitted or in abridged or modified form; and
- (d) It should not substantially be the same, as the one which the candidate may have already submitted for any other degree or for a degree of another University.

Provided That:-

- I. A candidate may incorporate in his thesis contents of any work which he may have published on the subject;
  - II. Edited texts of calendars of unpublished manuscripts, critical-editions from original manuscripts of old text, records or documents, when accompanied by adequate introductions and critical apparatus, shall be given the same recognition as original dissertation on Arts or Science subjects and for the award of the Doctorate degree it shall be regarded as equally worth consideration;
  - III. The candidate may submit in support of his thesis any printed contribution for the advancement of his subject which may be published independently or conjointly. In the latter case, the candidate shall indicate specifically his personal contribution to the conjoint work, duly certified by the supervisor.
15. The candidate shall submit four copies of the printed thesis, accompanied by a certificate from his supervisor stating that the thesis represents the original work of the candidate and is worthy of consideration for the award of Ph.D. degree. However, if a candidate is working under the supervision of more than one Supervisor, the certificate of one supervisor/Co-supervisor will be sufficient if the other supervisor refuses to sign the certificate for any reason:
16. The thesis shall be written in English or in a language approved by the Research Degree Committee.
17. The thesis of Ph.D. shall be examined by two examiners appointed by the Pro-Vice-

Chancellor/Vice-Chancellor/Dean from the panel of six or more experts drawn by the R.D.C. in the subject concerned.

18. Each examiner shall separately evaluate the thesis and shall recommend; either that the thesis be accepted for the award of Ph.D. degree; or that the candidate be required to re-submit his/her thesis in a revised and improved form.

OR

That the thesis be rejected.

- 19(1) The reports of the examiners will be placed before a committee consisting of the Pro-Vice-Chancellor/Vice-Chancellor, the Dean of faculty and the Supervisor of the candidate or any other person nominated by the Pro-vice-Chancellor/Vice-Chancellor in place of the supervisor in exceptional circumstances. If it is found that both the examiners have recommended that the thesis be accepted for the award of Ph.D. Degree, the candidate shall be called for an oral test to be conducted by two examiners one of whom shall ordinarily be the supervisor of the candidate or the person nominated by the Pro-Vice-Chancellor/Vice-Chancellor/Dean who may recommend the acceptance of the thesis for the award of Ph.D. Degree. The object of the oral test shall be to find out whether the thesis of the original work of the candidate and if the examiners, comes to conclusion that the thesis is not the work of the candidate, they shall recommend its rejection.

Provided that when the external examiner/evaluator by reasons of illness or absence for any other cause is unable to conduct the oral test of the candidate, his/her substitute, in exceptional circumstance could be appointed by the Pro-Vice-Chancellor/Vice-Chancellor/Dean.

- (1) If the examiners ask for clarification on some points on the thesis or recommend its re-submission with necessary changes, then the candidate shall be asked to do the needful, and on receipt of the required clarification/corrected thesis the same shall be submitted to the concerned examiner(s)
  - (2) If one of the examiners recommends that the thesis be rejected then the thesis shall be referred to the third examiner whose recommendations shall be final and further necessary action shall be taken accordingly.
20. The report of the oral examination referred to in paragraph 19 shall be placed before the executive council only when the thesis is recommended for the award of the degree of Ph.D.

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21. The controller of Examinations shall notify the result after the formal approval of the Executive Council.
  22. A candidate who is required to re-submit his thesis, can do so only once. He may do so not earlier than three months and not later than eighteen months of the intimation of the decision of the University to him and final examinations.

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**CHAPTER-XI**  
**FACULTY OF NURSING SCIENCE**  
**Admission in 4 years B.Sc Nursing Degree Course**

**11.1 ELIGIBILITY AND EDUCATIONAL QUALIFICATIONS**

1. Female Children of Bonafide Himachali/ Himachal Govt. employees and employees of Autonomous bodies wholly or partially financed by the Himachal Pradesh Government will only be eligible to apply for admission to 4 years B.Sc. Nursing Degree Course through Entrance Test to be conducted by Atal Medical & Research University, HP Mandi at Ner-Chowk or any other agency notified by the Govt. of HP for admission in Govt. & Pvt. Un-aided Nursing Colleges /Institutions situated in the State of Himachal Pradesh.
2. For filling up of 50% Management Quota Seats in Private un-aided B.Sc. Nursing Colleges in State of Himachal Pradesh, there will be no requirement of being Himachali Bonafide. Under this quota, both Himachali and Non-Himachali interested candidates can compete in the entrance test subject to fulfillment of minimum educational qualifications and age criteria as prescribed in the prospectus.  
*Note: The above candidates should be Indian National.*
3. The age of the candidates should be between 17 to 35 years. However, upper age can be relaxable by 5 years in the case of SC/ST candidates. Age as recorded in the matriculation certificate will be entertained.
4. Admission to married candidates will be allowed subject to production of medical fitness certificate.
5. A candidate should have passed 10+2 or its equivalent examination from H.P. Board of School Education/AISSCE/CBSE/ICSE/SSCE/HSCE or any other Board/University established by law in India in the subjects of Physics, Chemistry, Biology and English individually with 45% marks taken together in Physics, Chemistry and Biology at the qualifying examination. The candidates belonging to SC/ST/OBC, the marks obtained in Physics, Chemistry and Biology taken together in qualifying examination will be 40% instead of 45% as stated above. Provided further that English is a compulsory subject in 10+2 for being eligible for admission to B.Sc.(Nursing) course. The candidate should be medically fit.

6. The candidates who appeared in 10+2 examination and their result are not yet been declared may also apply for this test, but their admission will be made, if they fulfill the minimum eligibility criteria as prescribed in the prospectus at the time of 1<sup>st</sup> round of counselling.

**Note:**

- (i) *The candidates who have passed their 10+2 examination from National Institute of Open School or appeared in 10+2 examination Science (Medical) conducted by National Institute of Open School can also apply to this test.*

*The above qualifications will only determine the eligibility of a candidate for admission, but the actual basis of admission shall be on the basis of marks obtained by the candidate(s) in the Entrance Test.*

- (ii) *Admission to B.Sc. Nursing course, relevant Reservation Roster shall be followed (College-wise and Category-wise) for Govt. and Private Nursing Colleges and the same shall be displayed at the time of Counseling.*

*The above qualifications will only determine the eligibility of a candidate for admission, but the actual basis of admission shall be on the basis of marks obtained by the candidate(s) in the Entrance Test.*

**11.2 Criteria for Physically Handicapped candidates:** The candidate must possess valid documents certifying his/her physical disability conforming to judgment of Supreme Court of India i.e. one category viz. physically handicapped with locomotors disorders and that too with permanent disability of lower limbs between 50% to 70%. The disability certificate should be produced from a duly constituted and authorized Medical Board of the State or Central Government Hospitals/Institutions and should be issued within three months prior to submission of her application for seeking admission in the B.Sc. Nursing Course for claiming the benefit of reservation.

Provided further that in case no candidates are available in that category only, then the candidates with disability of lower limbs between 40% to 50% shall be considered for admission.

**Note:** *As per notification issued by the Secretary, Indian Nursing Council videnotification No. 1-5/2018-INC dated 28<sup>th</sup> Feb., 2019, the Colour blind Candidates may be considered for admission to Nursing courses subject to the condition that Colour corrective contact lens and spectacles are worn by such candidates.*

### 11.3 Definition of:

- (i) **Bonafide Himachali:** The Bonafide Himachali is a person who possesses therequired Certificate as provided in the form of Bonafide Himachali Certificate issued by the competent authorities on or after 01.01.2012.
- (ii) **Freedom Fighter** is a person as declared so by the H.P. Government Ward(s) means children/grand children (Only from paternal side) of the Freedom Fighter. Provided the benefits can also be extended to the sons/daughters (from maternal side) of a Freedom Fighter subject to the condition that the Freedom Fighter is/was not having a son. Candidates those applied under this category will have to produce a certificate.
- (iii) **Defence Personnel/Ex-Servicemen** means serving/retired personnel of three wings of Armed Forces i.e., Army, Air Force and Navy, their widows/wards shall be applied under this category are required to produce a certificate.
- (iv) **Economically Weaker Sections (EWSs)** means the persons who fulfilled the criteria as prescribed by Government of Himachal Pradesh Department of Personnel (AP-III) vide letter No. PER(AP)-C-B(12)-1/2019 dated 11.06.2019 as amended from time to time. As per aforesaid letter, the persons who are not covered under the scheme of reservation for SCs, STs and OBCs and whose family has gross annual income below Rs. 4.00 lakh (Rupees Four lakh only) are to be identified as EWSs for benefit of reservation. Income shall also include income from all sources i.e. salary, agriculture, business, and profession etc. for the financial year prior to the year of application. Also, persons whose family owns or possesses any of the following assets shall be excluded from being identified as EWS, irrespective of the family income; -
  - a. More than 1 hectare; of Agriculture Land in rural areas and 500 M<sup>2</sup> land in urban areas;
  - b. Residential flat/ house of more than 2500 square feet in rural/ urban areas;
  - c. Family of income tax payee;
  - d. Family of Regular/ Contract employees of the Central Government, State Government, Board, Corporation and autonomous bodies and Public Sector Undertakings etc.

**Note:** The candidates claiming the benefit of reservation under EWSs category is required to submit the certificate duly issued by the competent authority of the State of Himachal Pradesh based on latest instruction of the Govt.

- (v) i) All the candidates will have to compete amongst their own categories/sub-categories. The candidates of reserved categories, if selected by virtue of their general merit against the unreserved seats shall not exhaust the seats reserved for the concerned categories. However, the allotment of seats will be made college-wise depending upon the merit-cum-choice of the candidate(s) for the concerned college. Similarly, the sub-reserved categories candidates, if selected by virtue of their merit in main category shall not exhaust the seats reserved for sub-categories.
- ii) A candidate wishing to be considered for a reserved seat shall in her application form specify only one category of reserved seat for which she has applied for. She will not be permitted to change the category once indicated in her application form. Provided further that this will not prejudice her case for being selected against unreserved/main category seats by virtue of her merit.
- iii) Save as, otherwise provided, unfilled seats from reserved/sub-reserved categories will be treated as vacant, when the required number of the candidates are not found eligible as per provisions of the Prospectus and the same will be added to the main category of respective sub-reserved categories and then in the general category, as the case may be, provided further that in case of SC/ST categories, their seats would be inter-transferable, if eligible candidates are not available either of the category.

#### **11.4 ADMISSION PROCEDURE**

##### **For Govt. Nursing Colleges and State/ Management Quota Seats in Private Nursing Colleges/ Institutions:**

- (a) **State Quota:** Only those Female Children of Bonafide Himachali/Domicile/ Children of H.P. Govt. Employees and Employees of Autonomous Bodies wholly or partially financed by the Govt. of Himachal Pradesh who qualified the Entrance Test will be considered in order of merit of the Entrance Test for admission to B.Sc. Nursing Degree Course in Govt./Private Nursing Colleges subject to fulfillment of eligibility criteria as contained in the Prospectus.
- (b) **Management Quota:** However, for Management Quota Seats, the above Conditions
- (C) Do not apply and the candidates who have qualified the Entrance Test irrespective of having above status shall be considered for admission to B.Sc. Nursing Degree Course in order of Merit of Entrance Test in private Nursing colleges subject to fulfillment of eligibility criteria as contained in the Prospectus.



***Important Note:***

1. *The Principal(s) of Nursing College(s)/Institutions will also check the eligibility criteria of each candidate including settlement of discrepancy (ies) as pointed out by the counselling committee as per provision of the Prospectus before admitting the candidates in the College/Institution.*
2. *No shifting shall be allowed from one private Nursing College/Institution to another private nursing College/Institution on the same capacity of seat except up-gradation of seats i.e. Management Quota to the State Quota.*
3. *In the case of candidates having passed their 10+2 examination other than H.P. Board of School Education, Dharamshala/CBSE/ICSE, equivalence certificate issued by the H.P. Board of School Education, Dharamshala is required to be submitted at the time of counselling/admission by the candidates concerned.*  
*If two or more candidates who have obtained equal aggregate marks in 10+2 (Medical-PCB) qualifying examination, then their inter-se merit for admission to B.Sc. Nursing course shall be determined on the basis of marks obtained by the candidates in order of merit in Biology, Chemistry, Physics and English respectively. Even, if the tie still persists, then the candidate older in age will be given preference.*
4. *The counselling fee of Rs.500/- shall be charged as from the candidates at the time counselling in the shape of IPO/Bank Draft to be drawn in favour of the Finance Officer Atal Medical & Research HP in order to meet out the counselling expenses.*

**11.5 MEDICAL EXAMINATION & REGISTRATION**

1. The selected candidates will be called for medical examination and verification of the documents as attached to the original application by the respective Nursing Colleges/Institutions on their own expenses and candidate should be medically fit as per standard of Physical fitness. If declared unfit she will not be admitted in the allotted college.
2. The students who take admission in B.Sc. Nursing course should get vaccinated with Anti-Hepatitis-B themselves at their own expenses and they are required to do so within 6 months from the date of their admission in the course.
3. If the selected candidate does not join the college by the stipulated date and complete the Medical Examination etc. as laid down in the prescribed form she will not have any claim for the allotted seat, which will then be offered to the next candidate on the merit list.

4. Every candidate coming from other Universities/Boards for admission to 1<sup>st</sup> year B.Sc. Nursing course in the Colleges has to produce migration certificate at the time of admission in the College/Institutions.
5. The students will get themselves registered on payment of prescribed fee with the Atal Medical & Research University HP for which the Principles of the Nursing Colleges shall submit the lists of admitted candidates along with prescribed forms and requisite fee to the Finance Officer Atal Medical & Research University HP within one month after the closing date of admission.
6. The Principles of the Nursing Colleges shall also submit the lists of admitted candidates Quota-wise as well as category-wise in order of merit after the closing date of admission within 15 days to the Controller of Examination (COE) Atal Medical & Research University HP.
7. If a candidate is admitted on the basis of application form but at a subsequent time if it is discovered that any of the statement was false, the student shall be removed from the College/Institutions and all the fees and other dues paid shall be confiscated. Any further action against the candidate and her guardian that may be considered suitable may also be taken.

#### **11.6 MIGRATION, COLLEGE SESSION, VACATIONS AND SYLLABUS**

- a) **Migration:** No migration shall be allowed to any student from one private Nursing College to another private Nursing College and to the Govt. Nursing College during the first-year study of the course.
- b) **College Session:** Academic Session will be started as per INC guidelines.
- c) **Vacations:** 4 weeks' vacation shall be given annually to the students.
- d) **Syllabus:** The syllabus and course schedule for B.Sc. (Nursing) Degree shall be strictly as prescribed by the Indian Nursing Council, New Delhi and Atal Medical & Research University HP Mandi at Ner-Chowk

#### **11.7 (a) EXAMINATIONS:**

- (i) Maximum five grace marks may be allowed for one academic year in theory paper only, however, these maximum marks shall not be permitted in one subject; Provided that maximum 5(Five) grace marks may be award to the candidate who has failed in more subjects if it enables him to pass the entire examination. (ii) The number of attempts for examination has been waived off. However, to appear for the final examinations, the candidate must have cleared all the previous examinations.

: A candidate shall be required to take course in the following subjects: -

Course of instruction:

**First year:**

S.NO.	Subject	Theory (In hrs) Class and Lab	Practical (In Hrs) (Clinical)	In Hours
1.	English	60	-	-
2.	Anatomy	60	-	-
3.	Physiology	60	-	-
4.	Nutrition	60	-	-
5.	Biochemistry	30	-	-
6.	Nursing Foundation	265+200	450	-
7.	Psychology	60	-	-
8.	Microbiology	60	-	-
9.	Introduction to Computer	45	-	-
10.	Hindi/Regional Language	30	-	-
11.	Library work/Self study	-	-	50
12.	Co-curricular activities.	-	-	50
	Total Hours	930	450	100

\*\*Optional.

## Second year

1	Sociology	60	-	-
2	Pharmacology	45	-	-
3	Pathology	30	-	-
4	Genetics	15	-	-
5	Medical –Surgical Nursing (Adult including geriatrics)-1	210	720	-
6	Community Health Nursing -1	90	135	
7	Communication and Education Technology	60+30	-	-
8	Library work /self study	-	-	50
9	Co-curricular activities	-	-	35
Total Hours=1480 hrs.				

## Third Year

1	Medical Surgical Nursing (Adult including geriatrics –II	120	270	-
2	Child Health Nursing	90	270	-
3	Mental Health Nursing	90	270	
4	Midwifery & Obstetrical Nursing	45	180	
5	Nursing Research and Statistics	45	*	
6	Library Work/Self-Study	-	-	50
7	Co-Curricular activities	-	-	50
Total Hours:		390	990	100
Total Hours 1480 hrs.				

\*Project work in Internship.

## Fourth Year

Sr. No.	Subject	Theory	Practical (in hrs.)	In weeks
1.	Midwife and Obstetrical Nursing	45	180	
2.	Community Health Nursing-II	90	135	
3.	Management of Nursing Services and Education	60+30		
	Total Hours	225	315	

## Internship (integrated practices)

<b>Sr. No.</b>	<b>Subject</b>	<b>Theory</b>	<b>Practical (in hrs.)</b>	<b>In weeks</b>
1.	Midwife and Obstetrical Nursing		240	5
2.	Community Health Nursing-II		192	4
3.	Medical Surgical Nursing (Audit and geriatric)		432	9
4. <b>I</b>	Child Health		144	3
5.	Mental Health Nursing		96	2
6.	Research Project		48	1
	<b>Total Hours</b>		<b>1152</b>	<b>24</b>

Project will be carried out during internship

**Note: -**

- (a) Internship means 8hours of integrated clinical duties in which 2 weeks of evening and night duties are included.
  - (b) Internship should be carried out as 8 hours per day @ 48 hours per week.
  - (c) Students during internship will be supervised by nursing teachers.
  - (d) Fourth year final examination to be held only after completing internship.
- 
- (i) The syllabus prescribed by the Indian Nursing Council for B.Sc. Nursing as approved by the Board of Studies & Faculty of Nursing Sciences of Atal Medical & Research University HP from time to time.
  - (ii) The faculty of Nursing Sciences may order interchange of any course from one-year semester to another or the substitution, addition or dropping of any of the courses for study and examination.
  - (iii) The course is designed to enable students to enhance ability to comprehend spoken and written English (and use English) required for effective communication in their professional work. Students will practice their skills in verbal and written English during clinical and classroom experiences.
  - (iv) The practical training examination and internship training shall be according to the criteria laid down by the Nursing Council of India duly approved by the Faculty of Medical Sciences.

- (v) The pass marks in each course shall be 50% (separately in theory and in practical) both in the internal assessment and external examination, and a candidate obtaining pass marks in any course shall not be required to Re-appear in that course even though he may have failed in the examination as a whole. Minimum pass marks shall be 40% for English only.
- (vi) A candidate shall be required to pass in all courses in each year according to the Scheme of examination:

**11.8 (b) Scheme of Examination:**

**First Year:**

<b>Assessment</b>				
<b>Subject</b>	<b>Hours</b>	<b>Internal</b>	<b>External</b>	<b>Total</b>
1	2	3	4	5
<b>Theory</b>				
1. Anatomy & Physiology	3	25	75	100
2. Nutrition and Biochemistry	3	25	75	100
3. Nursing Foundations	3	25	75	100
4. Psychology	3	25	75	100
5. Microbiology	3	25	75	100
6. English*	2		50	50
7. Introduction to Computer*	2		50	50
<b>Practical and Viva Voce</b>				
1. Nursing Foundations	-	100	100	200

**\*Internal College Exam.**

**Second Year: Theory**

8. Sociology	3	25	75	100
9. Medical Surgical Nursing-1	3	25	75	100
10. Pharmacology, Pathology, Genetics	3	25	75	100
11. Community Health Nursing-1	3	25	75	100
12. Communication and Education Technology	3	25	75	100
<b>Practical and Viva Voce</b>				
Medical Surgical Nursing-I	-	100	100	200

**Third Year Theory:**

13. Medical Surgical Nursing-II	3	25	75	100
14. Child Health Nursing	3	25	75	100
15. Mental Health Nursing	3	25	75	100
16. Nursing Research and statistics	3	25	75	100
<b>Practical and Viva Voce</b>				
3. Medical Surgical Nursing-II	-	50	50	100
4. Child Health Nursing	-	50	50	100
5. Mental Health Nursing	-	50	50	100

#### Fourth Year Theory:

17. Midwifery and Obstetrical Nursing	3	25	75	100
18. Community Health Nursing – II	3	25	75	100
19. Management of Nursing Services and Education	3	25	75	100
<b>Practical and Viva Voce</b>				
6. Midwifery and Obstetrical Nursing	-	50	50	100
7. Community Health Nursing	3	50	50	100

: To pass the B.Sc. Nursing examination, a candidate shall be required to pass in each of the courses prescribed for the four years.

: The aggregate marks obtained by candidate in the B.Sc. Nursing examination shall be the sum total of the marks obtained by him/her in each course in which he/she has passed in the four years.

: The successful candidates shall be classified in three divisions as under: -

- (a) **First Division:** Those who obtain 60% or more of the aggregate marks. A candidate obtaining 75% or more of the aggregate marks shall be shown to have passed the examination with distinction.
- (b) **Second Division:** Those who obtain 50% or more but less than 60% of the aggregate marks.

: Provided that the total duration of the courses 4years'. The fourth year will have integrated internship of 24 weeks. A candidate after passing all the examinations shall be granted only provisional certificate but shall not be awarded the B.Sc. Nursing Degree unless he completes the internship training of six-month (24 weeks) duration in the fourth year.

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**CHAPTER-XII**  
**FACULTY OF NURSING SCIENCE**  
**Admission for 2 years Post Basic B.Sc Nursing Degree**  
**Course**

**12.1 ELIGIBILITY, EDUCATIONAL QUALIFICATIONS AND OTHER CONDITIONS FOR ADMISSION**

- 1. Admission to Post-Basic B.Sc. Nursing Degree course shall be made on the basis of merit of the Entrance Test to be conducted by the Atal Medical & Research University HP or any other agency notified by the Govt. of HP for which the female candidates only are eligible subject to fulfillment of the following conditions: -**
  - (i)** The candidates should be registered as registered Nurse/Midwife (RN/RM) with H.P. State Nurses Registration Council, Shimla at the time of counseling. However, the Himachali Bonafide Candidates who completed their GNM Diploma outside the State and registered themselves in the concerned State Registration Nursing Council shall be registered with the HPNRC, Shimla within 3 months from the date of admission. Provided further that the candidates belonging to other states of the country should be registered in their respective State Nurses Registration Council and at the time of Counseling, they must produce NOC for pursuing their higher studies outside the state from the Registrar of the concerned State Registration Council.
  - (ii)** The candidate must have passed 10+2 and its equivalent examination from recognized Board/University established by Law in India with minimum 40% aggregate marks. For SC/ST/OBC candidates the required percentage of aggregate marks will be 35%.
  - (iii)** The candidate must have obtained 50% marks in General Nursing & Midwifery from the School/Institution recognized by the Indian Nursing Council/Himachal Pradesh Nurses Registration Council.



- (iv) The distribution of seats between In-Service and Direct candidates in respect of Sister Nivedita Government Nursing College, IGMCM, Shimla will be made in the ratio of 70:30. However, 200-point vertical reservation roster will be applied afresh for distribution of seats among General, SC, ST and OBC categories and no horizontal reservation roster will be applied.

**2. For In-Service Quota Seats:**

1. In-service quota seats are to be filled up by in-service regularly appointed Nursing Cadre candidates of Govt. of H.P. subject to fulfillment of the condition as laid down prospectus. However, adhoc & contractual appointees including appointees of Rishi Kalyan Samities will also be considered under this quota subject to fulfillment of the condition of the prospectus. The candidates must have completed minimum 5 years' service on the last date of submission of application form.
2. The candidates should not have attained maximum of 50 years of age as on 31<sup>st</sup> December, of preceding year
3. The Counseling –cum-Admission form along with required documents in respect of In-Service candidates shall be submitted through their respective Head of Departments well within the stipulated date along with Service Certificate-cum-NOC at the time of counseling.
4. The counselling fee of Rs.500/- shall be charged as from the candidates at the time counselling in the shape of IPO/Bank Draft to be drawn in favour of the Finance Officer Atal Medical & Research HP in order to meet out the counselling expenses.

**3. For Direct Quota Seats: Direct quota seats will be available for open competition from amongst: -**

1. The Bonafide Himachali/Domicile candidates/Children of H.P. Govt. employees and employees of Autonomous Bodies wholly or partially financed by the Himachal Pradesh Government, who have done their GNM course from GNM Schools/Institutions anywhere in India duly recognized by the Indian Nursing Council/H.P. State Nurses Registration Council.

OR

2. The candidates should be GNM trained from the recognized Govt./Private GNM Schools/ Institutions situated in the State of Himachal Pradesh.
- 3 For filling up Direct Seats under Management Quota in Private Nursing Colleges in State of Himachal Pradesh, there will be no domicile requirement. Under this quota, both Himachali and Non-Himachali interested candidates can compete in the entrance test subject to fulfillment of eligibility criteria as prescribed in the prospectus.
- 4 The age of candidates should be between 17 to 35 years on 31<sup>st</sup> December of preceding year. However, upper age can be relaxable by 5 years in the case of SC/ST candidate. The candidates will ensure that they must fulfill the above condition. Age as recorded in the matriculation certificate will be entertained.

**Note:** *The candidates who appeared in GNM final examination and their result has not been declared, may also apply for this test, but their admission shall be made, if they qualify the said examination with required percentage of marks and also fulfill the eligibility criteria as prescribed in the prospectus at the time of counseling.*

### **12.2 Criteria for Physically Handicapped candidates:**

The candidate must possess valid documents certifying her physical disability conforming to judgment of Supreme Court of India i.e. one category viz. physically handicapped with locomotory disorders and that too with permanent disability of lower limbs between 50% to 70%. The disability certificate should be produced from a duly constituted and authorized Medical Board of the State or Central Government Hospitals/Institutions and should be issued within three months prior to submission of her application for seeking admission in a Post Basic B.Sc. Nursing Course for claiming the benefit of reservation.

Provided further that in case no candidates are available in that category only, then the candidates with disability of lower limbs between 40% to 50% shall be considered for admission.

**Note:** *As per notification issued by the Secretary, Indian Nursing Council vide notification No. 1-5/2018-INC dated 28<sup>th</sup> Feb., 2019, the Color Blind Candidates may be considered for admission to Nursing courses subject to the condition that color corrective contact lense and spectacles are worn by such candidates.*

### 12.3 Admission Procedure

- (a) For Govt. Nursing College and State/Management Quota Seats in Private Nursing Colleges/Institutions.
- (b) **State Quota:** Only those female Children of Bonafide Himachali/Domicile/Children of H.P. Govt. employees and employees of Autonomous Bodies wholly or partially financed by the Govt. of Himachal Pradesh who qualified the Entrance Test conducted by H.P. University subject to fulfillment of eligibility criteria as contained in the Prospectus will be considered in order of merit of the Entrance test for admission to Post Basic B.Sc. Nursing Degree Course.
- (c) **Management Quota:** However, for Management Quota seats, the above conditions do not apply and the candidates irrespective of having above status qualified the Entrance Test shall be considered for admission to Post-Basic B. Sc. Nursing Degree in order of merit of Entrance Test subject to fulfillment of eligibility criteria as contained in the prospectus.
- (d) **Note:** *No. shifting shall be allowed from one private nursing college/institution to another private nursing college/institution under the same capacity of admission.*

*The Principal(s) of Nursing College(s) will also check the final eligibility criteria of each candidate including settlement of discrepancy (ies), if any, as pointed out by the counseling committee as per provisions of the prospectus before admitting the candidates to the course.*

### 12.4 COLLEGE SESSION, VACATION AND SYLLABUS

#### i. College Session:

Academic Session will be started as per INC guidelines.

#### ii Vacations:

5 weeks' vacation shall be given annually to the students.

#### iii Syllabus:

The syllabus and course schedule for Post-Basic B.Sc. (Nursing) Degree Course shall be strictly as prescribed by the Indian Nursing Council, New Delhi and Atal Medical & Research University HP.

## **12.5 CONDITION OF BOND, LEAVE ETC.**

- (i) The regular in-service staff nurses working in the State will be eligible for admission to Post Basic B.Sc (Nursing) Degree Course after completion of minimum five years services. Further all the Govt. regularly appointed staff nurses fulfilling the minimum required five year services period will be granted study leave or leave of kind due as the case may be during their period of undergoing course and will be paid their pay and allowances as applicable from time to time duly notified the HP Govt.
- (ii) All the staff Nurses appointed on contract basis (Govt. or RKS) fulfilling the required five years of services will be treated as in-service candidates. However, they will not be paid any salary during the entire period of undergoing course and will only be allowed leave as per their appointment conditions as the case may be and this period of leave will not be counted for any purpose of regularization of service and other benefits for which they are eligible or as per the instructions issued by the Govt. from time to time.
- (iii) In case Regular, adhoc or contract staff Nurses have not completed the minimum five years of service in the State on the last date of submission of application form such candidate will be treated as direct candidates and will not be entitled for any kind of leave as well as pay and allowances during the course of period.
- (iv) The regularly appointed staff Nurses as well as contractual and RKS appointees will execute bond of Rs. 5,00,000(Five lakh)
- (v) Presented by the HP Govt. for completion of minimum 5 years compulsory service after completion of Post Basic B.Sc. (Nursing) degree course.

## 12.6 Syllabus and method of training:

(a) The syllabus and method of training shall be as per Indian Nursing Council norms.

- **Course of Study: First Year:**

Sr. No.	Subject	Hrs. Theory	Hr Pr
1.	Nursing Foundation	45	-
2.	Nutrition and Dietetics	30	15
3.	Biochemistry and Biophysics	60	-
4	Psychology	60	<b>15</b>
5	Maternal Nursing	60	<b>240</b>
6	Child Health Nursing	60	<b>240</b>
7	Microbiology	60	<b>30</b>
8	Medical & Surgical Nursing	90	<b>270</b>
9	English qualifying	60	-
	<b>Total:-</b>	<b>525</b>	<b>810</b>
<b>(b) Second Year:-</b>			
10	Sociology	60	-
11	Community Health Nursing	60	240
12	Mental Health Nursing	60	240
13	Introduction to Nursing Education	60	75
14	Introduction to Administration	60	180
15	Introduction to Nursing Research and Statistics	45	120
	<b>Total Hours</b>	<b>345</b>	<b>855</b>

## 12.7 EXAMINATION SCHEME:

- Examination shall be held twice in a year. The annual examinations for each year shall ordinarily be held in the month of July/August or on such dates as may be fixed by the University.
- For failed/re-appear candidates, supplementary examination will be held in the month of November/December or on other such dates may be fixed by the University.
- To be eligible to appear for annual examination, candidates must have attended not less than 80% of lecturers and 100% hours in practical in each of subject in which she/he wished to be examined.
- 50% of minimum qualifying marks in each theory and practical paper is required separately.
- The medium of examinations shall be in English.

**EXAMINATIONS:****FIRST YEAR:**

Paper/subject	Hrs.	Intern. Assess	Extn. Marks.	Total Marks
1. Nursing Foundation.	2	15	35	50
2. Nutrition and Dietetics	2	15	35	50
3. Biochemistry and Biophysics.	3	25	75	100
4. Psychology.	3	25	75	100
5. Microbiology.	3	25	75	100
6. Maternal Nursing	3	25	75	100
7. Child Health Nursing	3	25	75	100
8. Medical and Surgical Nursing.	3	25	75	100
9. English*(Qualifying)	3	25	75	100
<b><u>Practical</u></b>				
1. Medical and Surgical Nursing.	-	50	50	100
2. Maternal Nursing	-	50	50	100
3. Child Health Nursing	-	50	50	100
<b><u>SECOND YEAR:</u></b>				
Sociology.	3	25	75	100
11. Community Health Nursing.	3	25	75	100
12. Mental Health Nursing.	3	25	75	100
13. Introduction to Nursing Education.	3	25	75	100
14. Introduction to Nursing Administration	3	25	75	100
15. Introduction to Nursing Research and Statistics.**	2	50	-	50
<b><u>Practical</u></b>				
1. Community Health Nursing.	-	50	50	100
2. Mental Health Nursing	-	50	50	100
3. Research Project**	-	50	50	100

Note: \* Qualifying

Examination.

\*\* College Examination (Not University examination).

N.B.: Teaching of Anatomy, Physiology, Pharmacology and Pathology will be integrated with clinical subjects.

**(f) INTERNALASSESSMENT:**

There shall be internal assessment in each subject for which separate marks shall be reserved as under: -

- Each theory paper 25% - 30% marks. (For selected subjects).
- Each Practical 50% Marks.

- c) If a candidate fails in any of the subjects, he/she will be reassessed for the same subjects for subsequent examination and his/her score of previous internal assessment will not be carried forward **except when their score is less than 50%.**
- d) The practical work done by each student during the years shall be recorded in practical record book which must be attested by a subject teacher of the subject concerned and presented to the examiner at the time of practical examination. In case of absence of subject teacher or a subject teacher may attest the practical record book with the consent of the Principal of the college.
- e) Internal assessment in each subject shall be allotted to the certified class work and period class examination both theory and practical. The internal assessment shall be submitted to the University at least two weeks before the common cement of theory as well as practical examination separately.
- f) Each candidate be of reappearing in Bachelor of Science in Nursing (Post Basic) must have passed in the internal assessment securing at least 50% marks in both theory as well as practical se partly.
- (g) **MINIMUM MARKS AND PROMOTION:**  
 The minimum number of marks including internal assessment required to pass the examination shall be: -
- |  |       |
|--|-------|
| I. English and Computer                      | :40%  |
| II. Subject other than English and Computer: | 50%   |
| III. Practical                               | : 50% |
- a) A candidate who passes in one or, more subjects shall be exempted from appearing in these subject at the subsequent examinations, but he/she must have passed the concerned examination in a maximum of four attempt commencing with the first exam. Or he is/her own class failing which he/she shall have to appear in all the subjects of the said examinations.

Provided That a candidate who fails to appear in or to pass the first year B.Sc. Nursing (Post Basic) examination in four consecutive attempts commencing with the first examination of his/her own class (Post Basic) shall not be allowed to continue his/her studies in the B.Sc. Nursing (Post Basic) course.

- b)** Maximum five grace marks may be allowed for one academic year in theory paper only, however, these maximum marks shall not be permitted in one subject;

Provided that maximum of 5 (five) grace marks may be awarded to a candidate who has failed in one or more subjects, if it enables him to pass the entire examination.

- c)** The number of attempts for examination has been waived off. However, to appear for final examination, the candidate must have cleared all the previous examinations.

**RESULT:** Successful candidate shall be classified as under on the aggregate marks obtained in all the examinations **taken** together:

(a)	Those who obtain 75% or more marks in the Subject or aggregate.	Distinction in the sub. Or aggregate.
(b)	Those who obtain 60% or more of the total Marks.	First Division.
(c)	Those who obtain less than 60% marks of the total marks.	Second Division

## **12.8 BOARD OF EXAMINERS: -**

The Board of Examiners for each discipline will consist of two examiners i.e. one internal and one external.

The external examiner will set the question paper and evaluate the answer sheet and conduct practical and viva-voce examinations. The Subject Co-coordinator of concerned course will also be the convener-cum-senior internal examiner.

No person shall be appointed as examiner with less than three years of teaching experience after M.Sc. Nursing.

**MIGRATION:** Migration from one Nursing College to another is not the right of a student, but in exceptional cases, University may affect the migration as per rules and regulations framed by it.

The degree of B.Sc. Nursing (Post Basic) will be awarded to the candidates only after she/he has completed the following: -

- Has passed all the examinations.
- Has satisfactory completed the full period of training of two years; and
- His/her work and conduct during the period of training have been satisfactory.

The Registrar shall publish their absent of the examination as soon as possible after the examination has been held.



## CHAPTER-XIII

### FACULTY OF NURSING SCIENCE

#### Admission to 2 years M.Sc. Nursing Degree Course

#### 13.1 ELIGIBILITY, EDUCATIONAL QUALIFICATIONS AND OTHER CONDITIONS.

- i). Admission to M.Sc. Nursing Degree course shall be made on the basis of merit of the Entrance Test to be conducted by the Atal Medical & Research University, Himachal Pradesh at Ner-Chowk Mandi, Distt Mandi for which **female** candidates are eligible subject to fulfillment of the following conditions: -
- N The candidates should be registered as registered Nurse/Midwife (RN/RM) B.Sc/Post Basic B.Sc Nursing with H.P State Nurses registration council Shimla/ any State Nursing Registration council at the time of counselling.
- O The candidates should be B.Sc. Nursing /Post Basic B.Sc. Nursing /B. Sc Honors. Nursing trained from the recognized Institutions not less than 55% aggregate marks.
- P Minimum one year of work experience prior or after Post Basic B.Sc. Nursing and after B.Sc. Nursing from the date of registration at the time of counselling.

#### 1 For In-Service Quota Seats:

In-service quota seats are to be filled up by in-service regular appointed Nursing Cadre candidates of Govt. of H.P. subject to fulfillment of the condition as laid down under clause 12.3(i). However, adhoc & contractual appointees including appointees of Rogi Kalyan Samities will also be considered under this quota subject to fulfillment of the condition as laid down under clause 12.3(ii). The candidates must have completed minimum 5 years' service on the last date of submission of application form.

The candidates should not have attained maximum of 50 years of age as on 31<sup>st</sup> December of preceding year.

The Counselling –cum-Admission form along with required documents in respect of In-Service candidates shall be submitted through their Respective Head of Departments well within the stipulated date along with service certificate-cum-NOC at the time of counselling.

**2 For Direct Quota Seats:** Direct quota seats will be available for open Competition from amongst: -

- i. The Bonafide Himachali/Domicile candidates/Children/spouse of H.P. Govt. employees and employees of Autonomous Bodies wholly or partially financed by the Himachal Pradesh Government, who have done their B.Sc. Nursing and Post Basic B.Sc. Nursing schools/Institutions anywhere in India duly recognized by the Indian Nursing Council/H.P. State Nurses Registration Council.
- ii. For filling up Direct Seat under Management Quota in Private Nursing Colleges in State of Himachal Pradesh, there will be no domicile requirement. Under this quota, both Himachali and Non-Himachali interested candidates can compete in the entrance test subject to fulfillment of eligibility criteria as prescribed in the prospectus. The age of candidates should be between 17 to 35 years on 31<sup>st</sup> December of proceeding year. However, upper age can be relaxable by 5 years by in the case of SC/ST candidates. The candidates will ensure that they must fulfill the above condition. Age as recorded in the matriculation certificate will be entertained.

### **13.2 COUNSELLING AND ADMISSION PROCEDURE**

- (a) There will be Counselling system to allot the available seats in order of merit-cum-choice of the candidates in the specialties. The admission process will be completed through counselling within the specified period by the Counselling Committee constituted by the Director, Medical Education & Research, H.P., Shimla-9.
- (b) The Controller of Examinations will forward the Merit list to the Director Medical Education & Research, H.P. Shimla-9 for constitute the counselling Committee for completing the admission process till the last closing date which is notified by the Indian Nursing Council.
- (c) The counselling fee of Rs. 500/- shall be charged as from the candidates at the time counselling in the shape of IPO/Bank Draft to be drawn in favour of the Finance Officer, Atal Medical & Research HP in order to meet out the counselling expenses.

- (d) After joining the course, the selected candidates can leave the course/seat prior one week of last cut-off date of admission on account of his/her selection elsewhere, as the case, may be, and fee deposited by him/her will not be returned in any case.

**Note:** *Course fee and hostel charges once deposited will not be refunded. The security deposit of the candidates, who will leave the course midway after the joining, will also be forfeited. Hostel security of other students will be refunded on completion of full course & vacation of hostel, after deduction of dues, if any.*

### **13.3 CONDITION OF BOND, LEAVE ETC.**

- (i) The regular in-service staff Nurse /Sister tutor /PNO etc. working in the State will be eligible for admission to M. Sc (Nursing) Degree Course after Completion of minimum five years' services. Further all the Govt. regularly appointed staff nurses/Sister tutors/PNO(s) fulfilling the minimum required five year services period will be granted study leave or leave of kind due as the case may be during their period of undergoing course and will be paid their pay and allowances.

All the staff Nurses appointed on contract basis (Govt. or RKS) fulfilling the required five years of services will be treated as in-service candidates. However, they will not be paid any salary during the entire period of undergoing course and will only be allowed leave as per their appointment conditions as the case may be and this period of leave will not be counted for any purpose of regularization of service and other benefits for which they are eligible or as per the instructions issued by the Govt. from time to time.

In case Regular, adhoc or contract staff Nurses have not completed the minimum five years of service in the State on the last date of submission of application form such candidate will be treated as direct candidates and will not be entitled for any kind of leave as well as pay and allowances during the course of period.

The regularly appointed staff Nurses as well as contractual and RKS appointees will execute bond of Rs. 5,00,000(Five lacs) or the amount notified by the Govt. of HP for completion of minimum 5 years compulsory service after completion of M.Sc. (Nursing) degree course.

**13.4: Duration:** The duration of the course of M.Sc. Nursing shall be two academic years.

**13.5: Planning of the course: ANNUALLY:**

Available : 52weeks

Vacation :4weeks

Examinations :2weeks

Gazette holidays :3weeks

Total weeks available : 43weeks

40hours per week :1720Hrs.

**Total hours for two years 3440 hrs.**

**13.6: Course of instruction:**

**First Year:**

	<b>Theory</b>	<b>Practical</b>
Nursing Education	150	150
Advance Nursing Practice	150	200
Nursing Research and Statistics	150	100
*Clinical Specialty-I	150	650
Total	600	1100

**Second Year:**

Nursing Management	150	150
Nursing Research(Dissertation)	-	300
*Clinical Specialty	150	950
Total	300	1400

**13.7 Educational visit 2 weeks:**

**\*Clinical Specialty** - Medical Surgical Nursing (Cardio Vascular and Thoracic Nursing, Critical care Nursing, Oncology Nursing, Neurosciences Nursing, Nephro Urology Nursing, Orthopedics Nursing, Gastroenterology Nursing, Obstetrics and Gynecological Nursing, Child Health Pediatrics Nursing, Mental Health (Psychiatrics) Nursing, Community Health Nursing, Psychiatric (Mental Health) Nursing etc.

Note: Students have to maintain log book for activity during the course of study.

### 13.8: EXAMINATIONSCHEME:

#### Scheme of Examination

	Theory			Practical		
1 <sup>st</sup> year	Hours	Internal	External	Hours	Internal	External
Nursing Education	3	25	75		50	50
Advance Nursing Practice	3	25	75			
Nursing Research and statis	3	25	75			
Clinical Specialty-I	3	25	75		100	100
<b>Total</b>		<b>100</b>	<b>300</b>		<b>150</b>	<b>150</b>
<b>2<sup>nd</sup> Year</b>						
Nursing Management	3	25	75			
Dissertation & Viva					100	100
Clinical Specialty-II	3	25	75		100	100
<b>Total</b>		<b>50</b>	<b>150</b>		<b>200</b>	<b>200</b>

\* Nursing research=50 and statistics=25

\*\* Nursing research=15 and statistics=10

1. Minimum pass marks shall be 50% in each of the theory and Practical papers separately.
2. A candidate must have minimum of 80% attendance (irrespective of the kind of absence) in theory and practical in each subject for appearing for examination.
3. A candidate must have 100% attendance in each separately in each of the paper.
4. A candidate has to pass in theory and practical exam separately in each of the paper.
5. If a candidate fails in either theory or practical paper he/she has to Re-appear for both papers (Theory and practical).
6. Maximum no. of attempts permitted for each paper is 3 including first attempt.
7. The annual examinations for each year shall ordinarily be held in the month of July/August or on such dates as may be fixed by the University.
8. Candidate with re-appear in subject shall be permitted to continue the studies in to the second year. However, the candidate shall not be allowed to appear in the second year examination till such time, she/ he passes all the subjects of the first year M.Sc. Nursing examinations.
9. Supplementary examinations will be held in the month of November/ December or on such other dates that may be fixed by the University.
10. To appear for annual examinations, candidate's must have 80% attendance in the oryand practices. However100%attendanceof practices before the award of degree is required.
11. Medium of examination shall be English.

**(i) Practical's:**

1. 4 hours of practical examination per student.
2. Maximum number of 10 students per day per speciality.
3. The examination should be held in clinical area only for clinical specialties.

**13.9: DISSERTATION:**

Evaluation of the dissertation should be done by the examiner prior to viva.

Duration: Viva-voce–Minimum 30 minute as per student.

**13.10: GUIDELINES FOR DISSERTATION:**

Sr. No.	Activities	Schedule Time
1	Submission of the Research Proposal	End of 9 <sup>th</sup> month
2	Submission of dissertation- Final	End of 9 <sup>th</sup> month

Note: Administrative approval and ethical clearance should be obtained.

**13.11: RESEARCH GUIDES:**

Qualification of Guide (Main Guide):

1. Nursing Faculty/Nursing expert in the same clinical specialty holding Ph.D./M.Phil/M.Sc. Nursing with a minimum 3 years' experience in teaching in the post graduate program in Nursing.
2. Guide: Students Ratio: Maximum of 1:4(including gas Co-guide).

**13.12: RESEARCH COMMITTEE:**

There should be a research committee in each college comprising of minimum 5 members chaired by the Principal, College of Nursing.

**13.13: RESULT:** Results will be declared by the Atal Medical & Research University HP after each academic session.

(i) 50% pass in each of the theory and practical separately.

- 75% and above is distinction
- 60-74.95% 1<sup>st</sup> Division
- 50-59.95% 2<sup>nd</sup> Division

• For declaring the rank aggregate of 1<sup>st</sup> and 2<sup>nd</sup> years marks shall be considered.

If the candidate fails in either practical or theory paper, he/she has to re-appear for both the papers (Theory and practical).

Maximum number of attempts per subject is three (3) inclusive of first attempt.

The maximum period to complete the course successfully should not exceed 4 years.

Candidate who fails in any subject shall be permitted to continue the studies in the next year. However, the candidate shall not be allowed to appear for the second year examination till such time that she passes all the subjects of the first year M.Sc. Nursing examinations.

#### **13.14:**

**BOARD OF EXAMINERS:** The Board of examiners for each discipline will consist of two examiners i.e. one internal and one external. The external examiner will set the question paper and evaluate the answer sheets and conduct practical and viva-voce examinations. The Coordinator/Head of Dept. of concerned course will also be the convener-cum-senior internal examiner. No person shall be appointed as examiner with less than three years of teaching experience after M.Sc. Nursing. One internal and one external examiner should jointly conduct practical examination.

The degree of M.Sc. Nursing will be awarded to the candidates only after she/he has completed the following: -

1. Has passed all the examinations.
2. Has satisfactorily completed the full period of training two years and his/her work and conduct during the period of training have been satisfactory.

The Registrar shall publish the result of the examination as soon as possible after the examination has been held.

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**CHAPTER-XIV**  
**FACULTY OF PARAMEDICAL SCIENCE**

**Admission to B.Sc. Medical Technology Courses**

- 11.1.1.1 B.Sc. Medical Technology (Anesthesia & Operation Theatre Techniques)
- 11.1.1.2 B.Sc. Medical Technology (Laboratory)
- 11.1.1.3 B.Sc. Medical Technology (Radio-diagnosis & Radiotherapy Tech.)
- 11.1.1.4 B. Sc. Medical Technology (Renal Dialysis Tech.)

**14.1 ELIGIBILITY FOR DIRECT CANDIDATES**

- (i) Applicant should be children of Bonafide Himachali or Children of Himachal Govt. employee and employees of autonomous bodies wholly or partially financed by Himachal Pradesh Government. They will only be eligible to apply for competing for admission to Medical Courses through entrance test.
- (ii) **Candidates must be in the age group of 17 to 25 years.** However, 5years relaxation on upper age limit shall be available for reserved category candidates as per State Government reservation policy. Candidates should have passed the qualifying examination before taking entrance test for Medical degree courses.
- (iii) The candidate should have duly qualified the examination 10+2 course of a recognized university or board with science i.e. medical group (Physics, Chemistry, Biology & English) with 50% marks for General candidate and 40% in case of SC, ST & OBC candidates.

**14.2 ELIGIBILITY FOR CRITERIA FOR PHYSICALLY HANDICAPPED  
(Bench mark Disabilities)**

For admission to B. Sc Medical Technology Courses persons having benchmark disabilities have entitled for reservation under the Rights of Persons with Disability Act, 2016, 5% seats of the annual sanctioned intake capacity shall be filled up by candidates with benchmarked Disabilities in accordance with the provisions of the Rights of Persons with Disabilities Act, 2016. If the seats reserved for the persons with disabilities in a particular category remain unfilled on account of unavailability of candidates, the seats should be included in the annual sanctioned seats for the respective category (Un-reserved). Candidates who will be considered themselves eligible for this category are advised to ensure their eligibility by getting themselves examined as per criteria laid down in the aforesaid Appendix of the prospectus from a duly constituted and authorized



Medical Board of the Indira Gandhi Medical College & Hospital, Shimla or Dr. Rajendra Prasad Govt. Medical College & Hospital Kangra at Tanda. They are required to obtain the Disability Certificate from them and produce the same at the time of counseling. However, the said certificate should be issued within three months prior to 1<sup>st</sup> round of counseling for seeking admission to B. Sc Medical Technology Courses for claiming the benefit of reservation as per requirement of the prospectus.

### **14.3 ELIGIBILITY FOR ECONOMICALLY WEAKER SECTION(EWS)**

- (i)** Economically Weaker Sections (EWSs) means the persons who fulfilled the criteria as prescribed by Government of Himachal Pradesh Department of Personnel (AP-III) vide letter No. PER(AP)-C-B(12)-1/2019 dated 11.06.2019. As per aforesaid letter, the persons who are not covered under the scheme of reservation for SCs, STs, and OBCs and whose family has gross annual income below Rs.4.00 lakh (Rupees four lakh only) are to be identified as EWSs for benefit of reservation. Income shall also include income from all sources i.e. salary, agriculture, business, profession, etc. for the financial year prior to the year of application. Also persons whose family owns or possesses any of the following assets shall be excluded from being identified as EWS, irrespective of the family income;
- (ii)** More than 1 hectare; of Agriculture Land in rural areas and 500 M<sup>2</sup> in urban areas;
- (iii)** Residential flat/house of more than 2500 square feet in rural/urban areas;
- (IV)** Family of income tax payee (iv) Family of Regular/Contract employees of the Central Government, State Government, Board, Corporation and autonomous bodies and Public Sector Undertakings etc.

**Note:** The candidates claiming the benefit of reservation under EWSs category is required to submit the certificate duly issued by the competent authority of the State of Himachal Pradesh.

#### **14.4 ELIGIBILITY CRITERIA FOR IN-SERVICE CANDIDATES SERVING THE HEALTH & FAMILY WELFARE DEPARTMENT & AYURVEDA DEPTT. OF THE STATE OF HIMACHAL PRADESH ONLY**

##### **(A) EDUCATIONAL QUALIFICATION:**

In-service candidate must have passed matric with science examination from any recognized Board and having Diploma/Certificate course in the concerned specialty (Lab. Technicians/Assistant, Radiology, OTA) awarded by DHS or DME in which the applicant intends to compete and having minimum 10 years' experience in Govt. Service in the Health & Family Welfare Department & Ayurveda Deptt. of Himachal Pradesh.

OR

Must have passed 10+2 examination of any recognized University/Board with Science with 5 years' experience in Health & Family Welfare and Ayurveda Deptt. of H.P. in concerned specialty in which the applicant intends to complete.

OR

All the interested In-Service candidates promoted from the post of Laboratory Assistant to the post of Laboratory Tech. who have passed Matric with Science examination from any recognized Board and having minimum 10 years' experience as Laboratory Tech in Govt. Service in the Health and Family Welfare department and Ayurveda Deptt. of H.P shall eligible to appear in the Entrance test.

**NOTE: In-Service candidates of Health & Family Welfare and Ayurveda Deptt. Who possess Matric qualification besides having diploma /certificate course in Radiology awarded by DHS and DME H.P. are not eligible to get admission in (Radio-diagnosis and Radiotherapy) course. However, if in-service candidate who possess 10+2 qualification Physics. Chemistry and Biology besides having diploma/certificate course in Radiology awarded by DHS /DME are eligible to get admission in B.Sc. (Radio-diagnosis and Radiotherapy Tech.) course. There should be upper age limit of 45 years on 31<sup>st</sup> December of preceding year.**

#### **14.5 APPLICATION FORM:**

The application form of above in-service candidate shall be routed through the Director, Health Services, H.P./ Director of Ayurveda H.P./ Principal, Dr. RPGMC, Tanda, Principal IGMC, Shimla to the Controller of Examination/Registrar well within the stipulated date mentioned in the Prospectus along with NOC and a certificate verifying the length of service.

#### **14.6 COMPETITIVE TEST FOR IN-SERVICE CANDIDATE:**

- (i) The competitive examination for the department /In-service candidates serving the state of Himachal Pradesh shall be held in the campus of IGMC, Shimla. The said entrance test shall be conducted by the duly constituted committee under the chairmanship of Principal, IGMC, Shimla separately for each specialty/department.
- (ii) The Paper shall be of MCQ type containing 50 questions of 50 marks(separately) for the various specialties to be answered in one-hour duration as under: -

1	B.Sc. Medical Technology (Anesthesia &Operation Theatre Techniques)	50 marks
2	B.Sc. Medical Technology (Laboratory) Biochemistry, Microbiology, Hematology & Histopathology Lab. Techniques.	50 marks
3	B.Sc. Medical Technology (Radio-diagnosis & Radiotherapy) Radiation, Radiography & Radiotherapy Techniques.	50 marks
4	B.Sc. Medical Technology( Renal Dialysis Tech)	50 marks

**Note: -** The candidate have to writ his/her Roll number and mark the answer on OMR sheet provided to them at the time of examination.

#### **14.7 METHOD OF SELECTION FOR ADMISSION AND PATTERN OF ENTRANCE EXAMINATION FOR DIRECT CANDIDATES:**

- (i) Admissions to Medical Courses shall be on the basis of merit drawn through competitive entrance examination to be conducted by the Merit list will be prepared for each category of candidates i.e. General and those belonging to reserved category.

- (ii) The Entrance examination for direct candidates shall consist of one written paper of 100marks based on NCERT Books of the academic session according to which 10+2 (includes 11<sup>th</sup> and 12<sup>th</sup> class) examination had been conducted by Himachal Pradesh Board of School Education in the year of the competitive examination concerned. Medium of examination shall be English.
- (iii) Roll number/admit card of the candidates will be issued purely on provisional basis does not ensure admission/eligibility in the said course.

**Note: - The candidate have to write his/her Roll number and mark the answer on OMR sheet provided to them at the time of examination.”**

- (iv) The question will be objective (MCQ) type comprising of one mark each.  
The following will be the distribution of marks: -

<b>Biology</b>	<b>40 Marks</b>
<b>Chemistry</b>	<b>30 Marks</b>
<b>Physics</b>	<b>30 Marks</b>

General standards of competitive entrance examination will be that of 12<sup>th</sup> Class under 10+2 scheme Science Medical Group.

- (v) Duration of examination will be two hours and no candidate shall be admitted to the examination Hall unless he/she holds admit card issued by the Atal Medical & Research University, Himachal Pradesh at Ner-Chowk Mandi Distt. Mandi.
- (vi) The category wise merit list of direct candidates shall be determined on the basis of aggregate marks obtained in the entrance test by the candidate. However, in case of in-service/departmental candidates, the merit list will be drawn separately specialties wise.
- (vii) There will not be any preference to 10+2 Science group over in –service candidates in selection process.
- (viii) The inter se ranking of the candidates obtaining equal aggregate marks in the competitive examination shall be according to marks obtained by the candidates in Biology, Chemistry, Physics in order in the combined entrance test.

- (ix) Even if there is tie in inter se ranking after exhausting the above procedure then the candidates older in age will be given preference.
- (x) The result indicating marks in respect of all candidate appearing in combined entrance test will be declared and displayed on the notice board/website of the University.
- (xi) Candidate who obtain less than following percentage of marks will not be admitted to the B.Sc Medical Technology Course:
 

<b>General Category</b>	<b>50%</b>
<b>SC/ST/OBC/In-Service</b>	<b>40%</b>
- (xii) There will be no rechecking/re-evaluation of answer sheets and no correspondence will be entertained on this issue.
- (xiii) Merit list shall be drawn for three times the total numbers of available seats and shall be displayed on the website of Atal Medical & Research University, Himachal Pradesh i.e [www.amruhp.ac.in](http://www.amruhp.ac.in)
- (xiv) For in-service candidate's merit list will be prepared separately in each specialty by entrance test committee.

#### **14.8 CENTRALIZED COUNSELING**

- (i) There will be a Centralized Counseling system to allot the available subjects in order of merit drawn category-wise by the constituted entrance examination test committee as notified by the Director of Medical Education & Research, Himachal Pradesh Shimla. The final eligibility of the candidate will be determined by the Committee after verification of the original documents. In case of unavoidable reasons, the candidate who are not able to appear in person, they may depute an authorized person to convey his/her choice/consent to opt the course with a letter of authority failing which the merit of the candidate will be cancelled.

[www.amruhp.ac.in](http://www.amruhp.ac.in) regarding Counselling dates and schedule.

- (ii) All the vacant seats will be filled up within one month. Choice of College/ Specialties will be according to the merit.

#### 14.9 APPLICATION AND ENTRANCE EXAMINATION

- (i) The candidate, before filling the form shall satisfy his/her eligibility to appear in entrance examination. The candidate is required to go through the prospectus carefully and acquaint himself/herself with all requirements with regard to the filling up the application form and photocopies of certificates i.e. Matric, 10+2 Certificate, Boanfied Himachali, Category, Sub Category & EWS Certificate must be attached with application form.
- (ii) The candidate shall fill in the application form, admit card in his/her own hand writing neatly and legibly with black/blue ball pen within the prescribed boxes and circles/ovals. The Category/Sub category once filled /marked in the application form will not be permitted to change under any circumstances.
- (iii) The candidate belonging to SC/ST/ OBC are required to furnish a certificate from the competent authority i.e. from the Sub-Divisional Magistrate/Executive Magistrate of the area concerned, to which the father/guardian of the candidate belongs. **This certificate should be signed and not countersigned.**
- (iv) No TA/DA is admissible to the candidates for appearing in the Entrance Test/Interview.
- (v) Applications for admission on the prescribed forms must be addressed to the Registrar and to be submitted in his office by the prescribed date. The affixed photograph of the applicant/candidate on the application and admit card should be **latest (without cap)** attested by a Gazetted officer. The cost of prospectus is Non-refundable in any case.

#### 14.10 Annual fee for each course:

(i) Tuition fee	Rs.	10,000/- Only Per Annum
(ii) Student Fund	Rs.	2500/- Per Annum
(iii) Medical Fund	Rs.	500/- Per Annum
(iv) Security (Refundable)	Rs.	1,000/- Only
Total:	Rs.	14,000/-

- a) Fee and other charges will not be refunded in any case including date of a candidate leaving the institution before the completion of the term or not joining the institution for any reason.

- b) There will be preliminary scrutiny of the application forms received by the college for determining the eligibility by the committee.
- c) Candidate while submitting their applications should not forward original certificates of academic/other qualifications but must produce them at the time of counseling and admission.
- d) The Candidate are advised to bring attested copies of the testimonials at the time of counseling along with original documents. Admission fee will be charged before the allotment of seat at the time of Counselling.
- e) The application forms and copies of attested certificate submitted at the time of counseling and admission attached therewith will not be returned.
  - (i) Incomplete application and applications received after the prescribed date will not be entertained. The consideration will only be made on the facts mentioned in the admission form. A wrong or misleading entry in the forms will lead to the rejection thereof without assigning any reason.
  - (f) If a candidate is admitted on the basis of application form but at a subsequent time if it is , discovered that any of the statement was false, the students shall be removed from the college and all the fees and other dues paid shall be confiscated and appropriate action against the candidates and his/her guardian shall be taken.
  - (g) Admit card to the test will not be issued to the candidate(s) whose application and other required documents are found incomplete or rejected by the committee. It is entire responsibility of the candidate to confirm his/her eligibility. No separate communication will be issued in this regard.
  - (h) The candidates will not have the right of being heard and no representation in this behalf will be entertained/considered at the time of scrutinizing the admission forms.
  - (i) There will be no change in the date of entrance examination, even if the day is declared as holiday.

- (j) All admissions will be provisional till the verification/equivalency of certificate etc. is received from the concerned Board/University. No stipend will be paid during the course.
- (k) Candidates will have to make their own arrangement to stay as no hostel facility is available.

#### **14.11 JOINING TIME**

- (i) Selected candidates must join their respective courses on the date intimated to them at the time of selection or communicated to them in the selection letters. The selection of those who fail to join by the stipulated date shall automatically stand cancelled.
- (ii) At the time of admission in the Medical College, the candidates have to submit his/her Original Certificates. No candidate will be allowed to leave the course during midsession. In case, admitted students wants to leave the course during midsession, then he/she is required to submit entire tuition fee of remaining course failing, which his/her certificates will not be released by the Principal concerned.

#### **14.12 MEDICAL EXAMINATION:**

Medical fitness will be pre-condition for admission to any of the course. Selected candidates are medically examined by a Medical Board constituted for the purpose.

#### **14.13 MIGRATION**

No migration will be allowed in the B. Sc Medical Technology Courses in any case.

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## CHAPTER XV

### FACULTY OF PHARMACEUTICAL SCIENCES

#### 15.1 There shall be following Pharmaceutical Science courses: -

1. Bachelor of Pharmacy.
2. Bachelor of Pharmacy (Ayurveda).
3. Bachelor of Pharmacy (Practice Course)
4. M. Pharmacy in Pharmaceutics.
5. M. Pharmacy in Pharmacognosy
6. M. Pharmacy in Pharmacology
- 7.M. Pharmacy in Pharmaceutical Analysis and Quality Assurance

#### 15.2 Eligibility and Admission Criteria for Different Under-Graduate & Post-Graduate Programmers

1	B. Pharm. (Direct Entry)	4 Yrs	Passed 10+2 examination with Physics and Chemistry as compulsory subjects along with one of the Mathematics/ Biology subject securing at least 45% marks (40% in case of candidate belonging to reserved category) in the above subjects taken together. Provided that a student should complete the age of 17 years on or before 31 <sup>st</sup> December of the year of admission to the course. # Age Limit	The admission to B. Pharmacy first year degree filled up on the basis of merit of 10+2 examination conducted by a recognized Board/University. <b>Note:-</b> The minimum/cut off marks to seek admission to B. Pharmacy degree course on the basis of 10+2 shall be as follows:			
					Name of Exams	General Category	Reserved Categories
					10+2	45% <small>(As per AICTE Norms)</small>	40% <small>(As per AICTE Norms)</small>
				Wherein the %age indicates marks obtained by the candidate in the 10+2 examination out of the total marks assigned to the examination.			
2	B. Pharm. (Lateral Entry) 2 <sup>nd</sup> Year	3 Yrs	The candidate must have passed Diploma Examination in D. Pharmacy from an institution Approved by the Pharmacy Council of India under section 12 of the Pharmacy Act. # Age Limit	The admission to B. Pharmacy 2 <sup>nd</sup> year under Lateral Entry Scheme shall be made on the basis of merit of diploma in Pharmacy conducted by Atal Medical & Research University HP Provided that if seats under lateral entry scheme remain vacant, the same shall be filled up from the candidates who have passed diploma in Pharmacy from any other recognized University/Board.			
3	B. Pharm. (Ayurveda)	4 Yrs	The candidate must have passed 10+2 examination from a recognized Board with Physics, Chemistry and Biology as Compulsory subjects with at least 45% marks (40% in case of candidate belonging to reserved category) in the above subjects taken together. # Age Limit	The admission to B. Pharmacy first year degree filled up on the basis of merit of 10+2 examination conducted by a recognized Board/University.			

				<p><b>Note:-</b> The minimum/cut off marks to seek admission to B. Pharmacy degree course on the basis of 10+2 shall be as follows:</p> <table><tr><td>Name of Exams</td><td>General Category</td><td>Reserved Categories</td></tr><tr><td>10+2</td><td>45%</td><td>40%</td></tr></table> <p>Wherein the %age indicates marks obtained by the candidate in the 10+2 examination out of the total marks assigned to the examination.</p>	Name of Exams	General Category	Reserved Categories	10+2	45%	40%
Name of Exams	General Category	Reserved Categories								
10+2	45%	40%								
4	M. Pharmacy	2 Yrs	<p>Recognized Bachelor Degree in Pharmacy or equivalent degree obtaining at least 55% marks (50% marks in case of candidate belonging to reserved category) at the qualifying examination.</p> <p>-No Age Limit for seeking admission in M. Pharmacy Course.</p>	<p>The admission to M. Pharmacy degree course shall be made on the basis of merit of Valid GPAT Score. In case the seats remain vacant after exhausting the merit of GPAT, the vacant seats will be filled up on the basis of merit of qualifying examination/ B. Pharmacy degree awarded by a recognized University.</p> <p>Note:-</p> <p>The minimum/cut off marks to seek admission to M. Pharmacy degree course on the basis of B. Pharmacy examinations shall be as follows: Wherein the %age indicates marks obtained by the candidate in the B. Pharmacy Degree examination out of the total marks assigned to the examination.</p>						

### 15.3 Admission Procedure

**15.3.1** The candidates desirous to seek admission to various courses are required to apply on the prescribed form **ONLINE**. Only those applicants, who apply **ONLINE** before the last date and satisfy the eligibility criteria, will be considered for admission. **A separate application is required to be submitted for each program.**

**15.3.2** (i) Candidates who have obtained minimum cut off marks in National level test qualifying examination are required to pay non-refundable application processing fee of Rs. 1550/- for candidates of General category and Rs. 1400/- for candidate of SC/ST/BPL Category before submission of the application **ONLINE**.

(ii) if candidates apply on the basis of both i.e. National Level test and qualifying examination, the candidate are required to pay non-refundable application processing fee of Rs. 3100/- for candidates of General category and Rs. 2800/- for candidate of SC/ST/BPL Categories before submission of the application **ONLINE**.

(iii) Before filling the application form read the instructions carefully and follow them strictly. Visit the University website /[www.amruhp.ac.in](http://www.amruhp.ac.in) for **ONLINE** submission of application form.

(iv) The applicant should clearly mention in his/her application form whether he/she belongs to any of the reserved categories. If, no category is mentioned, the application will be considered against general category.

- (v) A candidate is required to choose the appropriate option at the time of Counselling.
- (vi) If the applicant fails to turn up for the Counselling as specified in the Counselling schedule or does not accept seat offered, he/she shall forfeit his/her claim. The seat will be offered to the next applicant in the merit list.
- (vii) The candidates who are interested to seek admission under Management Quota Seats shall have to apply to the concerned Private Affiliating College along with all documents/certificates and score card of National Level Entrance Test.
- (viii) The college management has to admit only those candidates who fulfill the minimum admission and eligibility criteria mentioned in table No. 2.1 above. In case any candidate, who does not fulfill the minimum admission and eligibility criteria, takes admission in any institute under management quota seats, the University is not liable to regularize the admission of such candidate and the candidate shall be solely responsible for any further consequences thereof.
- (ix) The College shall not change any of the provision contained in the Admission Brochure (including eligibility, fees or rules for refund) while admitting the students.
- (x) The College shall be solely responsible for the settlement of any dispute, court case, etc. arising out of such admissions.
- (xi) Any violations in admission norms by any institute even in the management quota seats may attract dis-affiliation of the institute.
- (xii) Penalty clause:** In case any institution admits candidates by violating the standard admission norms laid down in this Admission Brochure, the concerned institution will be fined as decided by the Atal Medical & Research University, Himachal Pradesh.
- (xiii) Admission against H.P. State Quota Seats shall be made strictly as per 200-point roster to be notified by the Government.
- (xiv) Admission shall be offered to the applicants of reserved categories before that of general category. Unclaimed/vacant seats, if any, of reserved category shall be transferred to the general category at the end of last round of Counselling of the concerned category.
- (xv) An applicant listed in the merit list shall be eligible for all rounds of admissions/Counselling, irrespective of whether he/she attended/availed admission in the earlier round or not.
- (xvi) An applicant who is eligible for admission in more than one category will be admitted in the category of his/her choice subject to availability of seats. However, he/she will be entitled for vertical mobility under all the eligible categories subject to availability of seats. The vertical mobility of the candidate will be from sub-reserved category to corresponding main reserved category and then to main general category.

**15.4.1 Backward Area:** -The candidates belonging to the Backward Areas will be considered in the following order:

- i The candidates who have passed at least two examinations i.e. Primary/Middle/High/+2 from a school located in the backward area.
- ii The candidates who have passed at least one examination i.e. Primary/Middle/High/+2 from a school located in the backward area.
- iii The candidates who have passed such two examinations from a school located in the immediately adjoining backward area.
- iv The candidates who have passed such one examination from a school located in the immediately adjoining backward area.
- v The candidates who have not passed any examination from backward area, but belongs to backward area.

**15.4.2 Defense/Wards of Ex-servicemen:** - The candidates/wards of defense personnel including civilian of G.T. Company, ASC) will be considered in the following order: -

Deceased in war/action.

Disabled during war/action.

Death attributable to military service.

Disabled during service (Medically Board out due to disability attributable to military service).

Gallantry awarded during war/action/service in the order (i) Param Vir Chakra (ii) Ashoka Chakra (iii) Sarvottam Yudh Sewa Medal (iv) Mahavir Chakra (v) Kirti Chakra (vi) Uttam Yudh Sewa Medal (vii) Vir Chakra (viii) Shaurya Chakra (ix) Yudh Sewa Medal (x) Sena/Nau Sena/Vayu Sena Medal (xi) Mention in Dispatch Ex-servicemen or personnel in service.

**Note:** There is no domicile requirement for wards of Defense Personnel posted in Himachal Pradesh provided they have passed the qualifying examination from Himachal Pradesh.

The candidates belonging to Backward Area and Defense categories will have to submit their certificates with regard to backward area or defense category in person before the Expert Committee for verification of genuineness on specified date, failing which their claim will not be entertained.

The verification of genuineness of the Backward Area and Defense certificates will be assessed at Atal Medical & Research University, Himachal Pradesh (H.P.) by the Expert Committee constituted by the Atal Medical & Research University, Himachal Pradesh.

**Income and Asset Certificate issuing Authority and Verification Certificate –**

The benefit of reservation under EWS can be availed upon production of an Income and Asset Certificate issued by a Competent Authority. The Income and Asset Certificate issued by any one of the following authorities in the prescribed format shall only be accepted as proof of candidate claim as belonging to EWS: -

Deputy Commissioner/ Additional Deputy Commissioner/ Additional District Magistrate; Sub-Divisional Officer (Civil) of the area where the candidate and /or his family normally resides : and Revenue Officer not below the rank of Tehsildar.

The candidates belonging to unreserved BPL category are not required to submit Income and Asset Certificate. They shall be treated as eligible for EWS reservation on the basis of valid BPL certificate issued by competent authority and countersigned by the Block Development Officer and supplemented by the non-SC/ST/OBC certificate issued by the competent authority in the prescribed format as given in “Annexure VII”. The officer empowered to issue non SC/ST/OBC certificate to unreserved BPL candidates shall be same as mentioned in para-iii of these instructions.

**Tuition Fee Waiver Scheme (TFW)**

- 15.4.3** The Tuition Fee Waiver Scheme shall be applicable to all Technical Institutions approved by All India Council for Technical Education offering Bachelor Programmers, i.e. B. Tech. (Direct Entry) and to MBA/MCA courses in which no scholarship/stipend is available.
- 15.4.4** Under this scheme, up to a maximum of 5% of “sanctioned intake” per course shall be available for admissions. These seats shall be available to such course (s) in an institution, where a minimum of 30% of “sanctioned intake” is filled up.
- 15.4.5** In the event of non-availability of candidates in this category the same shall not be given to any other category of applicants.
- A candidate admitted under this category shall not be allowed to change institution/course under any circumstances.
- The waiver is limited to tuition fee. All other fee except tuition fee shall have to be paid by the candidates.

**15.5 Procedure to Resolve Tie:** Himachal Pradesh Technical University will follow the below mentioned rules to break the ties in ranking procedure if the candidates score the same aggregate marks in 10+2 or in diploma/degree qualifying examination:

**15.6 B.Tech/B.Pharma/B.Pharma (Ayurveda)-Direct Entry**

If the candidates have applied on qualifying examination basis i.e. 10+2, a candidate with higher percentage in 10+2, will be ranked above. If two applicants have the same percentage, then the applicant's date of birth will be considered. Elder candidate gets the benefit of being ranked above.

**15.7 B. Techs/B. Pharmacy. -Lateral Entry**

If two applicants have the same aggregate marks in diploma, applicant's date of birth will be considered.

Elder candidate gets the benefit of being ranked above.

**15.8 Master of Pharmacy (M. Pharmacy)**

- a) If the test/subject marks are same, then the applicant's date of birth will be considered. Elder candidate gets the benefit of being ranked above.
- b) If the candidates have applied on qualifying examination basis i.e. B. Pharmacy Degree, a candidate with higher percentage in B. Pharmacy Degree will be ranked above. If two applicants have the same percentage, then the applicant's date of birth will be considered. Elder candidate gets the benefit of being ranked above.

A candidate admitted under this category shall not be allowed to change institution/course under any circumstances.

The waiver is limited to tuition fee. All other fee except tuition fee shall have to be paid by the candidates.

**15.9 B.Tech/B.Pharma/B.Pharma (Ayurveda)-Direct Entry**

If the candidates have applied on qualifying examination basis i.e. 10+2, a candidate with higher percentage in 10+2, will be ranked above. If two applicants have the same percentage, then the applicant's date of birth will be considered. Elder candidate gets the benefit of being ranked above.

**15.10 B. Tech/B. Pharmacy. -Lateral Entry**

If two applicants have the same aggregate marks in diploma, applicant's date of birth will be considered.

Elder candidate gets the benefit of being ranked above.

### **15.11.1 Master of Pharmacy (M. Pharmacy)**

- 15.11.2 If the test/subject marks are same, then the applicant's date of birth will be considered. Elder candidate gets the benefit of being ranked above.
- 15.11.3 If the candidates have applied on qualifying examination basis i.e. B. Pharmacy Degree, a candidate with higher percentage in B. Pharmacy Degree will be ranked above. If two applicants have the same percentage, then the applicant's date of birth will be considered. Elder candidate gets the benefit of being ranked above.

### **15.12 Admission of N.R.I./Foreign Candidates**

- i Those NRIs and Foreign Students who fulfill the eligibility criteria of the program of their choice may be considered for admission under this category without appearing in the Entrance Test. Admission to such candidates shall be given according to the merit list prepared on the basis of marks obtained by them in the qualifying examination.
- ii 5% seats are earmarked for NRIs (Non-Resident Indians), their spouses, dependent son/daughter inclusive of legally adopted children within the sanctioned intake.
- iii 15% seats are earmarked for Foreign Nationals/passport holders over and above the normal intake.
- iv The fee and other charges for the NRI and Foreign students shall be charged as notified by the Government of Himachal Pradesh from time to time.

#### **(i) Non-Resident Indian (NRI)**

An applicant shall be considered as **Non-Resident Indian (NRI)** as per the Income Tax Law of India. Notwithstanding any amendment in such laws, all rights, obligations and duties flowing from the law and subsisting at the time of submission of application shall be respected and mandated till finalization of the program applied for.

Save as provided aforesaid NRI sponsored (popularly termed as "NRI SPONSORED CANDIDATES") is NOT PERMISSIBLE.

### **15.13 Foreign Passport Holder (FPH)/Foreign Candidates: An applicant shall be considered a "Foreign Candidates" who satisfy the following terms and conditions:**

- a. Possesses a valid foreign passport.
- b. Possesses a valid visa issued by a Competent Authority of the Indian Government clarifying the reasons of his/her stay in the country.

**15.14****General Guidelines and Rules for Admission**

- (i) Minimum eligibility criteria for NRI and Foreign students will be the same as for Indian students for each program as mentioned in the University Admission Brochure.
- (ii) English translations of all transcripts, duly attested, are to be submitted.
- (iii) Candidates applying from their own country should get their transcripts attested by the concerned accredited authorized government agency and also duly certified by the Indian Embassy or Consulate.
- (iv) For candidates applying from India, all attestation must be done by the concerned Embassy/High Commission/Consulate of the relevant Country in India.
- (v) Applications without the attested documents shall be summarily rejected.
- (vi) On being granted admission, all applicants should produce their Students Visa (vi) within one month of completion of admission formalities.
- (vii) In case of failure to obtain a visa within the stipulated period, the admission shall stand cancelled. A copy of visa is to be submitted in the Office of the Atal Medical & Research University, Himachal Pradesh.
- (viii) The admission of foreign diplomats wishing to study in Atal Medical & Research University, Himachal Pradesh Off-Campus or any of its affiliated colleges or Institutions shall be governed by the prescribed applicable procedures and rules as notified by the Government of India from time.
- (ix) Upon arrival in Indian every foreign student must register with the foreigner's original registration officer (FRRO). New Delhi within 14 days from the date of 1<sup>st</sup> Entry in to India.
- (x) As per the prescribed applicable procedure the category once filled in the application form shall be final and cannot be changed at any later stage, once admitted all foreign in students shall pay the fee prescribed for their admission category.
- (xi) Throughout the duration of the program. However, Atal Medical & Research University, Himachal Pradesh.

Reserves the right to revise the fee at any time.

NRI students, once admitted, will pay the requisite fee for their admission category throughout

The duration of the program even if they may not remain NRIs i.e. their states changes from NRI to non-NRI.



(xii) In the event of non-availability of student in NRI category, the seats will be given to general candidates as per general merit and the candidate will not be allowed to change the institution/Course under any circumstances. However, General fee shall be applicable to these candidates thus admitted against vacant NRI seats.

**15.15. Attested certificates & documents to be submitted with the application form: Foreign Passport Holder (FPH)**

- ☐ Application form duly filled

**i Non-Resident Indian (NRI Applicants)**

- ☐ Application form duly filled
- ☐ Marks sheet of class X
- ☐ Proof of age
- ☐ Marks sheet of class XII
- ☐ Marks sheet of Bachelor's degree (in case of admission to P.G. course)
- ☐ Copy of the passport of parent working abroad Translated attested & attested copy of work permit/license of work of parent Translated & copy of residence permit of parent
- ☐ Letter from the employer of the parent
- ☐ Affidavit on Rs.10 stamp paper from the parent for financial support
- ☐ NRI Status Certificate issued by the Indian Embassy in the concerned country
- ☐ In case an intervening period/gap is involved, a certificate/affidavit issued by a Class-I Gazetted Officer/Notary Public shall be required for the entire intervening period/gap showing candidate's preoccupation after leaving the Institution last attended.

**15.16 Terms and Conditions of Admission**

**15.16.1 Cancellation of Admission:** The University reserves its right to cancel the admission of successful candidate under any of the following circumstances:

**15.16.2** If the fees is not deposited by the stipulated date.

1. If the candidate does not join the particular program by the stipulated date even though the fee has been deposited.
2. If the candidate fails to furnish the proof of the stipulated minimum qualifications.
3. If any instance of donation/unfair means is found after admission.
4. If any of the document(s) submitted by the candidate to Himachal Pradesh Technical University is found to be forged, fabricated or false during the period of his/her study, the admission shall be cancelled immediately and fees shall be forfeited. In case the candidate completes the course and obtain the degree on the basis of forged, fabricated or false documents at any point of time, the degree shall be cancelled/ recalled.

**a Non-Refund of Fees:** All fees once paid are not refundable for any reason whatsoever. Only Refundable Securities will be refunded after making necessary adjustments as required. This provision of Non Refund of Fees will also apply for cases under Clauses a(ii) and (iii).

**Right of Alteration/Modification:** Atal Medical & Research University, Himachal Pradesh.

b reserves its right to alter or Modify: -

5. The structure of any of the programmers to attain the objective of excellence.

To modify, alter and/or include any other terms and conditions that may be deemed fit in the interest of the University.

6. **Jurisdiction:** Any dispute pertaining to admission, or any matter as a student or alumnus of Atal Medical & Research University, Himachal Pradesh. shall be subjected to the jurisdiction of the Himachal Pradesh High Court Shimla only.

7. **Limitation Clause:** No dispute shall be raised after the expiry of 10 days from the date on which the process of admission and/or selection is completed.

#### **a Procedure for Submission Application Form Online**

Will be Provided Soon in Atal Medical & Research University, Himachal Pradesh. Website.

#### **b Schedule of Centralized Counselling**

Will be Provided Soon in Atal Medical & Research University, Himachal Pradesh. Website.

#### **c Fee**

**Atal Medical & Research University, HP Fee:** Every student admitted to any UG or PG program has to pay non-refundable fee of Rs. 3,000/- per year as University Fee and Rs. 1,500/- as one-time University Registration Fee.

8. The University Fee has to be paid at the time of Counselling through online mode in the account of the University. It will be adjusted towards final payment of fee at the respective College/Institute. The University Registration fee shall be deposited in the host institution for further transmission to the University along with necessary documents of the concerned students.
- 09 The candidates admitted by the institution/college under management quota seats have to pay the University fee along with the registration fee in the concerned college/institution.
- 10 The Fee and other charges to be deposited by the students in the Government/Private Colleges or Institutions will be as notified by the Government of Himachal Pradesh.
- 11 No Institution will charge any amount over and above the fee fixed by the Government and University. Any violation in this regard would tantamount to charging capitation fee leading to penal action against the defaulting institution.

#### **15.17 Withdrawal of Admission by Candidate and Refund of Fee**

The following rules shall govern the refund of fee in case of withdrawal of admission:

- i If a candidate who is allotted a seat in the centralized Counselling surrenders the seat, the entire fee collected from the student, after deducting a processing fee of Rs. 1,000/- (Rupees one thousand only), shall be refunded by the College/Institution to the student provided he/she informs the Principal of the respective College in writing well before the last round of Counselling.
- ii No fee and other charges except **Refundable Securities** will be refunded to a candidate who will surrender his/her seat after the last round of Counselling, subject to the condition that the seat vacated by him/her is not filled up.

- iii In the event of a candidate withdrawing before the starting of the course i.e. commencement of classes, the waiting list candidates should be given admission against the vacant seat vacated by the candidate. The College/Institution must return the fee collected from the student after deducting the proportionate amount of monthly fee and hostel rent, wherever applicable. In case a student leaves after joining the course and the seat consequently remains vacant no refund shall be admissible.
- iv In case a candidate surrenders the allotted seat, the College/Institution has to return the original documents if deposited earlier.

### **15.18 Change of Branch**

Normally a student admitted to a particular branch of the under -graduate program will continue studying in that branch till completion.

However, in special cases the University may permit a student admitted through centralized Counselling to change the branch of studies after the first year (first two semesters) subject to the following conditions:

Such change will be considered only at the end of the second semester.

- 1 The students who have successfully completed the first semester will be eligible for consideration for change of branch subject to the availability of vacancies.
- 2 Only 5% students will be permitted to change their branch on merit basis subject to availability of seats.
- 3 After change of branch the number of students in that branch should neither fall below the sanctioned intake by more than five percent nor should go above the sanctioned intake.
4. The process for the change of branch, if required, must be initiated by the concerned college/institution by inviting applications from the eligible students on the prescribed form at the end of second semester only.
5. All change of branch/program shall be allowed within fifteen (15) days from the commencement of the third semester in accordance with the above rules. No change of branch shall be permitted thereafter.

### **15.19 Enrolment and Registration**

- (i) From the second semester onwards, every student, after consulting his Faculty Advisor, is required to enroll in the department concerned by presenting himself/herself at the time of commencement of each semester and register for the course(s) to be pursued by him/her, as per the program, on the date (s) fixed by the University in its academic calendar.
- (II) The sole responsibility for enrolment and registration rests with the student. A student who does not enroll on the specified date for the purpose may be permitted late-registration, in consideration of any compelling reason (including medical reasons), within the next 15 days on payment of late fee as prescribed by the University. However, under no circumstances late registration after 21 calendar days from the scheduled date of registration is allowed.

### **15.20 The registration procedure involves:**

filling of the registration -cum form prescribed by the examination mentioning the course (s) to University, semester including the be pursued in the optional course s if any ; back log , extra or :-

- 1 Payment of fees including examination fee and clearance of outstanding dues (mess, library and others, if any); and  
  
Submission of the registration-cum-examination form and signing of the registration roll as notified by the College/Institution concerned.
- (i) A student will be eligible for enrolment only if he/she has cleared all the dues of the College/Institute, Hostel, Library, etc. up to the end of the previous semester and completed the academic requirement of all the previous semesters, provided he/she is not debarred from enrolment, on disciplinary grounds.
- (II) The list of all the registered students for the semester shall be sent to the University by the Colleges/Institutions/Departments on or before 30 September and 28 February respectively every year for further processing and necessary action.
- (III) The registration-cum-examination form of each candidate must accompany the required examination fee as specified by the University to appear in the end semester examination. The examination fee once paid shall not be refunded if a student is expelled or detained/debarred from appearing the end semester

**15.21****Attendance**

A student must attend every lecture, tutorial and practical class. To account for approved leave of absence (e.g. representing the University/College in sports, games or athletics, placement activities, NCC/NSS activities etc. and /or any other such contingencies like medical emergencies etc.), the minimum attendance requirement shall be 75% of the classes actually conducted. However, the Vice- Chancellor may condone attendance to an extent of 5% only in special cases. Each subject shall be treated as a separate unit for calculation of the attendance.

(h)A candidate, who does not satisfy the attendance requirement, mentioned as above, shall not be eligible to appear for the examination of that subject and the candidate shall be required to repeat the subject during the summer term or whenever it will be offered next.

(j)The Head of the Department shall notify regularly, the list of such candidates who fall short of attendance. The list of the candidates falling short of attendance shall be sent to the Controller of Examination with a copy to Registrar of the University at least one week prior to the commencement of the end semester examination.

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