

**MEDICAL COUNCIL OF
INDIA
REGULATIONS
ON
GRADUATE MEDICAL EDUCATION, 1997**



**MEDICAL COUNCIL OF INDIA
Pocket 14, Sector 8, Dwarka
New Delhi - 110077**

(1) **ATTENDANCE**

75% of attendance in a subject for appearing in the examination is compulsory provided he/she has 80% attendance in non lecture teaching. i.e. seminars, group discussions, tutorials, demonstrations, practicals, Hospital (Tertiary, Secondary, Primary) postings and bed side clinics, etc.

(2) **Internal Assessment :**

- (i) It shall be based on day to day assessment (see note), evaluation of student assignment, preparation for seminar, clinical case presentation etc.:
- (ii) Regular periodical examinations shall be conducted throughout the course. The questions of number of examinations is left to the institution:
- (iii) Day to day records should be given importance during internal assessment :
- (iv) Weightage for the internal assessment shall be 20% of the total marks in each subject :
- (v) Student must secure at least 50% marks of the total marks fixed for internal assessment in a particular subject in order to be eligible to appear in final university examination of that subject.

Note

Internal assessment shall relate to different ways in which students participation in learning participation in learning process during semesters in evaluated.

Some examples are as follows:

- (i) Preparation of subject for students seminar.
- (ii) Preparation of a clinical case for discussion.
- (iii) Clinical case study/problem solving exercise.
- (iv) Participation in Project for health care in the community (planning stage to evaluation).
- (v) Proficiency in carrying out a practical or a skill in small research project.
- (vi) Multiple choice questions (MCQ) test after completion of a system/teaching.

Each item tested shall be objectively assessed and recorded. Some of the items can be assigned as Home work/Vacation work.

(3) **UNIVERSITY EXAMINATIONS :**

Theory papers will be prepared by the examiners as prescribed. Nature of questions will be short answer type/objective type and marks for each part indicated separately.

Practicals/clinicals will be conducted in the laboratories or hospital wards. Objective will be assess proficiency in skills, conduct of experiment, interpretation of data and logical conclusion. Clinical cases should preferably include common diseases not esoteric syndromes or rare disorders. Emphasis should be on candidate's capability in eliciting physical signs and their interpretation.

Viva/oral includes evaluation of management approach and handling of emergencies. Candidate's skill in interpretation of common investigative data, x-rays, identification of specimens, ECG,etc. also is to be evaluated.

The examinations are to be designed with a view to ascertain whether the candidate has acquired the necessary for knowledge, minimum skills alongwith clear concepts of the fundamentals which are necessary for him to carry out his professional day to day work competently. Evaluation will be carried out on an objective basis.

Question papers should preferably be of short structure/objective type.

Clinical cases/practicals shall take into account common diseases which the student is likely to come in contact in practice. Rare cases/obscure syndromes, long cases of neurology shall not be put for final examination.

During evaluation (both Internal and External) it shall be ascertained if the candidate has acquired the skills as detailed in Appendix-B.

There shall be one main examination in a year and a supplementary to be held not later than 6 months after the publication of its results. Universities Examinations shall beheld as under:-

First Professional:-

In the second Semester of Phase 1 training, in the subjects of Anatomy, Physiology and Bio-Chemistry.

Second Professional:-

In the Fifth Semester of Phase II training, in the subjects of Pathology, Microbiology, Pharmacy and Forensic Medicine.

Third Profesional :-

Part 1- in the Seventh Semester of Phase III, in the subjects of Ophthalmology, Oto-rhyno-laryngology and Community Medicine.

Third Professional :-

Part II-(Final Professional) – At the end of Phase III training in the subjects of Medicine, Surgery, Obstetrics & Gynecology and Pediatrics.

Note :

Results of all university examinations shall be declared before the start of teaching for next semester.

(4) DISTRIBUTION OF MARKS TO VARIOUS DISCIPLINES :

(A) First Professional examination:(Pre-clinical Subjects):-

(a) Anatomy:

Theory-Two papers of 50 marks each
(One applied question of 10 marks in each paper) 100 marks.

Oral(Viva)	20 marks
Practical	40 marks
Internal Assessment (Theory-20; Practical-20)	40 marks
Total	200 marks

(b) Physiology including Biophysics

Theory-Two papers of 50 marks each
(One applied question of 10 marks in each paper) 100 marks

Oral (Viva)	20 marks
Practical	40 marks
Internal Assessment (Theory-20; Practical-20)	40 marks
Total	200 marks

(c) Biochemistry :

Theory-Two papers of 50 marks each
(One applied question of 10 marks in each paper) 100 marks

Oral (Viva)	20 marks
Practical	40 marks
Internal Assessment (Theory-20; Practical-20)	40 marks

Total

200 marks

Pass: In each of the subjects, a candidate must obtain 50% in aggregate with a minimum of 50% in Theory including orals and minimum of 50% in Practicals.

(B) SECOND PROFESSIONAL EXAMINATION;

(Para-clinical subjects)

:

- (a) Pathology :
- | | |
|--|-----------|
| Theory-Two papers of 40 marks each
(One applied question of 10 marks in each paper) | 80 marks |
| Oral (Viva) | 15 marks |
| Practical | |
| Internal assessment
(Theory-15; Practical-15) | 30 marks |
| Total | 150 marks |
- (b) Microbiology :
- | | |
|--|-----------|
| Theory-Two papers of 40 marks each
(One applied question of 10 marks in each paper) | 80 marks |
| Oral (Viva) | 15 marks |
| Practical | |
| Internal assessment
(Theory-15; Practical-15) | 30 marks |
| Total | 150 marks |
- (c) Pharmacology
- | | |
|--|-----------|
| Theory-Two papers of 40 marks each
Containing one question on clinical therapeutics | 80 marks |
| Oral (Viva) | 15 marks |
| Practical | 25 marks |
| Internal assessment
(Theory-15; Practical-15) | 30 marks |
| Total | 150 marks |
- (d) Forensic Medicine
- | | |
|--|-----------|
| Theory-one papers | 40 marks |
| Oral (Viva) | 10 marks |
| Practical/Clinicals | 30 marks |
| Internal assessment
(Theory-10; Practical-10) | 20 marks |
| Total | 100 marks |

Pass: In each of the subjects, a candidate must obtain 50 % in aggregate with a minimum of 50% in Theory including oral and minimum of 50% in Practicals/clinical.

(d) THIRD PROFESSIONAL

(i) PART 1

(Clinical subjects)

Part 1: To be conducted during end period of seventh semester.

(a) Ophthalmology:

Theory : One paper (should contain one question on pre-clinical and para-clinical aspects, of 10 marks)	40 marks
Oral (Viva)	10 marks
Clinical	30 marks
Internal assessment (Theory-10; Practical-10)	20 marks
Total	100 marks

(b) Oto-Rhino-Laryngology :

Theory:One paper (should contain one question on pre-clinical and para-clinical aspects, of 10 marks)	40 marks
Oral(Viva)	10 marks
Clinical	30 marks
Internal assessment (Theory –10 Practical-10)	20 marks
Total	100 marks

(c) Community Medicine including Humanities:

Theory : Two papers of 60 marks each (includes problem solving, applied aspects of management at primary level including essential drugs, occupational (agro based) diseases, rehabilitation and social aspects of community).	120 marks
Oral (Viva)	10 marks
Practical/Project evaluation	30 marks
Internal assessment (Theory -20; Practical-20)	40 marks
Total	200 marks

Pass: In each of the subjects a candidate must obtain 50% in aggregate with a minimum of 50% in Theory including orals and minimum of 50% in practicals/clinical.

PART-II

Each paper shall have two sections. Questions requiring essay type answers may be avoided.

- (a) **Medicine :**
- | | |
|---|-----------|
| Theory- Two papers of 60 marks each | 120 marks |
| Paper 1- General Medicine | |
| Paper II- General Medicine (including Psychiatry, Dermatology and S.T.D.) | |
| (Shall contain one question on basic sciences and allied subjects) | |
| Oral (Viva) Interpretation of X-ray ECG, etc. 20 marks | |
| Clinical (Bed side) | 100 marks |
| Internal assessment | 60 marks |
| (Theory-30; Practical-30) | |
| Total | 300 marks |
- (b) **Surgery:**
- | | |
|-------------------------------------|-----------|
| Theory-Two papers of 60 marks each | 120 marks |
| Paper-1-General Surgery (Section 1) | |
| Orthopaedics (Section 2) | |

PAPER II-General Surgery including

Anaesthesiology, Dental diseases and Radiology.
(shall contain one question on basic sciences and allied subjects)

Oral (Viva) Interpretation of Investigative data	20 marks
Clinical (Bed Side)	100 marks
Internal assessment	60 marks
(Theory-30; Practical-30)	60 marks
Total	300 marks

Paper 1 of Surgery shall have one section in Orthopaedics. The questions on Orthopaedic Surgery be set and assessed by examiners who are teachers in the Orthopaedic surgery.

(c) **Obstetrics and Gynaecology**

Theory Two papers of 40 marks each	80 marks
Paper I- Obstetrics including social obstetrics.	
Paper II – Gynaecology, Family Welfare and Demography	
(Shall contain one question on basic sciences and allied subjects)	
Oral (Viva) including record of delivery cases(20+10)	30 marks
Clinical	60 marks
Internal assessment	

	(Theory-30; Practical-30)	
	Total	200 marks
(d)	Pediatrics : (Including Neonatology)	
	Theory : One paper	40 marks
	(Shall contain one question on basic sciences and allied subjects)	
	Oral (Viva)	10 marks
	Clinical	30 marks
	Internal assessment	20 marks
	(Theory-10; Practical-10)	
	Total	100 marks

Pass : In each of the subjects a candidate must obtain 50% in aggregate with a minimum of 50% in Theory including orals and minimum of 50% in Practicals/clinicals.

13 APPOINTMENT OF EXAMINERS:

- (1) No person shall be appointed as an examiner in any of the subjects of the Professional examination leading to and including the final Professional examinations for the award of the MBBS degree unless he has taken atleast five years previously, a doctorate degree of a recognized university or an equivalent qualification in the particular subject as per recommendation of the Council on teachers' eligibility qualifications and has had at least five years of total teaching experience in the subject concerned in a college affiliated to a recognized university at a faculty position.
- (2) There shall be at least four examiners for 100 students, 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 co-ordinator of the whole examination programme so that uniformity in the matter of assessment of candidates is maintained. Where candidates appearing are more than 100, one additional examiner, for every additional 50 or part thereof candidates appearing, be appointed.
- (3) Non medical scientists engaged in the teaching of medical students as whole time teachers, may be appointed examiners in their concerned subjects provided they possess requisite doctorate qualifications and five year teaching experience of medical students after obtaining their postgraduate qualifications. Provided further that the 50% of the examiners (Internal & External) are from the medical qualification stream

- (4) External examiners shall not be from the same university and preferably be from outside the state.
- (5) The internal examiner in a subject shall not accept external examinership for a college from which external examiner is appointed in his subject.
- (6) A university having more than one college shall have separate sets of examiners for each college, with internal examiners from the concerned college.
- (7) External examiners shall rotate at an interval of 2 years.
- (8) There shall be a Chairman of the Board of paper-setters who shall be an internal examiner and shall moderate the questions.
- (9) Except Head of the department of subject concerned in a college/institution, all other with the rank of reader or equivalent and above with requisite qualifications and experience shall be appointed internal examiners by rotation in their subjects; provided that where there are no posts of readers, then an Assistant Professor of 5 years standing as Assistant Professor may be considered for appointment as examiner.
- (10) The grace marks up to a maximum of five marks may be awarded at the discretion of the University to a student who has failed only in one subject but has passed in all other subjects.