

**Pravara Institute of Medical Sciences,
(Deemed University)
Loni. 413 736, Maharashtra.**

**RULES AND REGULATIONS FOR THE COURSE
BACHELOR OF MEDICINE & BACHELOR OF SURGERY (M.B.B.S)**

1. General :

These rules and regulations are framed as per directives of Medical Council of India and MOA of Pravara Institute of Medical Sciences.

2. Faculty :

This course shall be under the Faculty Of Medicine.

3. Nomenclature of Degree:

Bachelor of Medicine and Bachelor of Surgery (M.B.B.S)

4. Conditions for Admission to M.B.B.S. Course:

4.1 The candidate should have completed the age of 17 years on or before 31st July of the year commencing the prescribed academic session of the MBBS course.

4.2 The minimum educational requirements shall be the passing of two years intermediate or Higher Secondary (10+2 pattern) or equivalent examination with science subjects viz Physics, Chemistry and Biology from a statutory university or pre-university intermediate board or State Higher Secondary Examination Board.

4.3 The student should have passed qualifying examination with Science (Physics, Chemistry, Biology) and English with minimum of 50% aggregate marks in PCB. For Scheduled Castes/ Schedule Tribes, the minimum marks required for admission shall be 40% in lieu of 50% for general candidates.

4.4 The candidate should be medically fit.

5. Duration of the course:

Duration of the M.B.B.S course will be four and half calendar years followed by One year rotating Internship in the Hospital and College.

6. Selection of students for M.B.B.S Course:

- 6.1 The selection of students to M.B.B.S Course shall be based on the merit of the candidate and for determination of merit, All India Common Entrance Test (AICET) will be conducted by Pravara Institute of Medical Sciences or by the agency specified by the University Grants Commission, New Delhi. (UGC)
- 6.2 To be eligible for selection through All India Common Entrance Test (AICET) a candidate must satisfy conditions enumerated in the Rule (4) above.
- 6.3 The candidate for admission to M.B.B.S. course should have obtained not less than 50% marks in the AICET conducted by Pravara Institute of Medical Sciences or by agency specified by UGC However the minimum marks required for admission shall be 40% for SC/ST candidates.
- 6.4 A candidate may provisionally be allowed to appear for AICET, who has appeared in a qualifying examination awaiting result. In case of selection to MBBS course, admission will be subject to clearing the qualifying examination satisfying conditions enumerated in Rules (4) above.

7. Medical Curriculum:

7.1. Aim

- Graduate medical curriculum is oriented towards training students to undertake the responsibilities of physician of first contact who is capable of looking after the preventive, promotive, curative and rehabilitative aspect of medicine.
- The aim of the medical curriculum is to produce a Physician who is socially acceptable and is able to work safely and effectively on patients in diagnosis, prevention and treatment of common diseases and should have social commitment.
- To produce a medical graduate who is capable of functioning effectively both under the rural and urban setting shall be main aim of medical curriculum and emphasis shall be placed in fundamental aspects on the subjects taught and on common problems of health and disease avoiding unnecessary details and areas of specification.

7.2. Objectives

A. National

At the end of undergraduate program the medical student shall endeavour to be able to

1. Recognize 'health for all' as a national goal and health right of all citizens and by undergoing training for medical profession, fulfill his / her social obligation toward realization of this goal.
2. Learn every aspect of National policies on health and devote himself / herself to its practical implementation
3. Achieve competence in practice of holistic medicine, encompassive promotive, preventive, curative and rehabilitative aspects of common diseases.
4. Develop scientific temper, acquire educational experience for proficiency in profession and promote healthy living
5. Become exemplary citizen by observation of medical ethics and fulfilling social and professional obligations, so as to respond to national aspirations.
6. Opportunities to facilitate collaboration, networking with international and national level institutes / organizations / foundations for promotion, advancement and sharing of academic and research knowledge and activities in medicine, health and allied sciences for development of mankind in India and abroad.
7. All possible arrangements for national and global participation in the field of medicine, health and allied sciences.

B. Institutional

1. Competent in diagnosis and management of common health problem of the Individual and 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
2. Competent to practice preventive, promotive, curative and rehabilitative medicine in respect to the commonly encountered health problems.
3. Appreciate rationale for different therapeutic modalities, be familiar with the administration of the 'essential drugs' and their common side effects.
4. Be able to appreciate the socio-psychological, cultural, economic and environmental factors affecting health and develop human attitude towards the patients in discharging one's professional responsibilities
5. Possess the attitude for continued self learning and to seek further expertise or to pursue research in any chosen area of medicine

6. Be familiar with the basic factors, which are essential for the implementation of the National Health Programmes
7. Acquire basic management skills in the area of human resources, materials and resource management related to health care delivery
8. 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
9. Be able to work as a leading partner in health care teams and acquire proficiency in communication skills
10. Be competent to work in a variety of health care settings
11. 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
12. To promote and provide
 - i. Instruction, knowledge, education, training and research facilities of high order in the areas of study relevant to medicine, health and allied Health sciences as per its current status and such other manner as may develop in future
 - ii. Research relevant to current and emerging field of medicine, health and Allied Health sciences.
 - iii. Opportunities for the integration of formal and non-formal learning with practical experiences in medical and health sciences with other areas of human development.

8. Structure of M.B.B.S course:

8.1 The M.B.B.S Course curriculum shall be taught within four and half years with following distribution.

A) First M.B.B.S (Two Semesters)

Sr. No.	Subject/courses	Code No.	
		Paper I	Paper II
1.	a. Anatomy	MU 101	MU 102
	b. Anatomy (Practical)	MU 111	-
2.	a. Physiology	MU 103	MU 104
	b. Physiology (Practical)	MU 112	-
3.	a. Biochemistry	MU 105	MU 106
	b. Biochemistry (Practical)	MU 113	-

B) Second M.B.B.S (Three semesters)

Sr. No.	Subject/courses	Code No.	
		Paper-I	Paper-II
1.	a. Pharmacology	MU 201	MU 202
	b. Pharmacology (Practical)	MU 211	-
2.	a. Pathology	MU 203	MU 204
	b. Pathology (Practical)	MU 212	-
3.	a. Microbiology	MU 205	MU 206
	b. Microbiology (Practical)	MU 213	-
4.	a. F.M.T	MU 207	-
	b. F.M.T (Practical)	MU 214	-

C) Third M.B.B.S (Four semesters)

Sr. No.	Subject/courses	Code No.	
		Paper I	Paper -II
Part-I			
1.	a. P.S.M	MU 301	MU 302
	b. P.S.M (Practical)	MU 311	-
2.	a. Ophthalmology	MU 303	
	b. Ophthalmology (Practical)	MU 312	
3.	a. E.N.T	MU 304	
	b. E.N.T (Practical)	MU 313	
Part-II			
4.	a. Medicine	MU 401	MU 402
	b. Medicine (Practical)	MU 314	-
5.	a. Surgery	MU 403	MU 404
	b. Surgery (Practical)	MU 415	
6.	a. OBGY	MU 405	MU 406
	b. OBGY (Practical)	MU 416	
7.	a. Pediatrics	MU 407	
	b. Pediatrics (Practical)	MU 417	

8.2 The student shall not be allowed to study the courses of next year unless he has successfully completed the previous MBBS Examination.

8.3 Internship:- Every candidate will be required after passing the Final Year of M.B.B.S Examination to undergo One year rotating Internship in a Hospital / College / any other authorized center

- (a) Internship means 8 hours of integrated clinical duties per day
- (b) Internship should be carried out for 48 hours per week. .

Discipline-wise distribution of posting during internship:

I	Community Medicine 1 month (30 days) PSM Dept. / Family practice posting and 2 months PHC posting	3 months(90 days)
II	Medicine General Medicine 45 days Skin and V.D 15 days Psychiatry 15 days T.B & Respiratory 15 days	3 months(90 days)
III	Surgery General Surgery 45 days Orthopedics 15 days E.N.T 10 days Ophthalmology 10 days Anesthesia 10 days	3 months(90 days)
IV	Pediatric	1 month
	Obstetrics and Gynaecology including family Welfare Planning	1½ months (45 days)
	CCL / Blood Bank/ FMT / Radiology (One of these)	15 days

Casualty posting for 15 days should be done in the afternoon during the Posting for Skin & V.D or Psychiatry.

9. Minimum Working Hours for Each Subject / Course of Study.

The minimum working hours for each subject / course of study shall be as shown below.

PRE-CLINICAL SUBJECTS

Anatomy	650 Hrs
Physiology	480 Hrs
Biochemistry	240 Hrs
PSM	60 Hrs

PBL: Problem Based Learning be integrated by instituting scenarios related to various pre-clinical subjects

PARA-CLINICAL SUBJECTS

Pathology	300 Hrs
Pharmacology	300 Hrs
Microbiology	250 Hrs
FMT	100 Hrs
PSM	200 Hrs

PBL: Problem Based Learning be integrated by instituting scenarios related to various para-clinical subjects

CLINICAL SUBJECTS

Gen. Medicine	300 Hrs	Gen. Surgery	300 Hrs
OBGY	300 Hrs	Pediatrics	100 Hrs
Orthopedics	100 Hrs	Ophthalmology	100 Hrs
ENT	70 Hrs	PSM	50 Hrs
Skin & VD	30 Hrs	T.B & Chest	20 Hrs
Psychiatry	20 Hrs	Radiology	20 Hrs
Anesthesia	20 Hrs	Dentistry	10 Hrs

PBL: Problem Based Learning be integrated by instituting scenarios related to various clinical subjects

Working Hours for each subject be divided into into theory (1/3 time) and practical / clinical (2/3 time) works.

CLINICAL POSTING

SUBJECTS	WEEKS	SUBJECTS	WEEKS
Gen. Medicine	26	Orthopedics	10
Pediatrics	10	Ophthalmology	10
T.B & Chest	2	E.N.T	10
Skin & STD	6	OBGY	24
Psychiatry	2	P.S.M	12
Radiology	2	Causality	2
Gen. Surgery	26	Dentistry	2

Total Clinical Posting: 142 Weeks

9.1: 75% attendance in Theory, Practical and Clinical work is mandatory requirement for qualifying to appear for final university examination. This relaxation is only to cater for any exigencies.

10. Eligibility for Appearing for Final University Examination:

- 10.1 No student shall be allowed to appear for the Final University Examination conducted by P.I.M.S. unless he/she satisfies the requirement of attendance (75%), has satisfactory progress and conduct as stipulated by the Pravara Institute of Medical Sciences.
- 10.2 No student will be allowed to appear for the University Examination unless he/she obtains 35% marks in Internal Assessment for each subject separately.
- 10.3 The Dean / Principal should certify that the candidate appearing for University Examination satisfies the conditions stipulated in Rules (10.1) and (10.2)
- 10.4 There shall be no ATKT Scheme.

11. Scheme of Examination:

The Examinations are to be conducted to assess whether the candidate has acquired the necessary minimum skill and clear concepts of the fundamentals essential to his/her day to day professional work.

- 11.1 The Examination shall be held twice in a year. The examination shall be conducted as per schedule given below.

Examination Schedule.

A) Internal Assessment

- a) For subjects having weightage of 300 marks, internal assessment will be of 50 marks (25 Marks for theory and 25 marks for Practical)
- b) For subjects having weightage of 150 marks, internal assessment will be of 25 marks (12 marks for theory and 13 marks for Practicals)
- c) For internal assessment, marks obtained in the term-end examinations and preliminary examination will be considered.
- d) There will be no improvement tests for internal assessment.

B) University Examinations

First M.B.B.S. Examination.

Course Code	Title	Max. Marks	Time
MU 101	Anatomy Paper I	75	3 hours
MU 102	Anatomy Paper II	75	3 hours
MU 111	Anatomy Practical + Oral	100	As scheduled.
MU 103	Physiology Paper I	75	3 hours
MU 104	Physiology Paper II	75	3 hours
MU 112	Physiology Practical + Oral	100	As scheduled
MU 105	Biochemistry Paper I	75	3 hours
MU 106	Biochemistry Paper II	75	3 hours
MU 113	Biochemistry Practical + Oral	100	As scheduled

Second M.B.B.S. Examination.*

Course Code	Title	Max. Marks	Time
MU 201	Pharmacology Paper I	75	3 hours
MU 202	Pharmacology Paper II	75	3 hours
MU 211	Pharmacology Practical + Oral	100	As scheduled.
MU 203	Pathology Paper I	75	3 hours
MU 204	Pathology Paper II	75	3 hours
MU 212	Pathology Practical + Oral	100	As scheduled
MU 205	Microbiology Paper I	75	3 hours
MU 206	Microbiology Paper II	75	3 hours
MU 213	Microbiology Practical + Oral	100	As scheduled
MU 207	F.M.T.	75	3 hours
MU 214	F.M.T. Practical + Oral	50	As scheduled

* Examination will be conducted at the end of fifth term.

Third M.B.B.S. Examination**PART - I**

Course Code	Title	Max. Marks	Time
MU 301	PSM Paper I	75	3 hours
MU 302	PSM Paper II	75	3 hours
MU 311	PSM Practical + Oral	100	As scheduled.
MU 303	Ophthalmology	75	3 hours
MU 312	Ophthalmology Practical + Oral	50	As scheduled.
MU 304	ENT	75	3 hours
MU 313	ENT Practical + Oral	50	As scheduled.

Part I examination will be conducted at the end of seventh term.

PART – II

Course Code	Title	Max. Marks	Time
MU 401	Medicine Paper I	75	3 hours
MU 402	Medicine Paper II	75	3 hours
MU 414	Medicine Practical + Oral	100	As scheduled.
MU 403	Surgery Paper I	75	3 hours
MU 404	Surgery Paper II	75	3 hours
MU 415	Surgery Paper Practical + Oral	100	As scheduled.
MU 405	OBGY Paper I	75	3 hours
MU 406	OBGY Paper II	75	3 hours
MU 416	OBGY Practical + Oral	100	As scheduled
MU 407	Pediatrics	75	3 hours
MU 417	Pediatrics Practical + Oral	50	As scheduled.

Part II examination will be conducted at the end of ninth term.

- 11.2 The students desirous for appearing for the University Examination shall submit the application form duly filled along with prescribed examination fee. Incomplete application forms or application form submitted without prescribed fee or application form submitted after due date will be rejected and student shall not be allowed to appear for the examination.
- 11.3 The candidate must get 35% marks in Internal Assessment of each subject separately for passing and qualifying for final University examination.
- 11.4 The students appearing for the University Examination should satisfy the conditions stipulated in Rule (10) above.
- 11.5 Each theory paper will be of three hours duration and each practical / clinical examination shall be as per schedule.

- 11.6 Not more than 30 candidates in clinical or practical should be examined in one day.
- 11.7 The practical examination should be arranged in such a way that the student is examined by all examiners during the course of the practical examination and the distribution of marks amongst the examiners should be equal.

12. **Rules of Passing:**

- 12.1 The candidates must secure a minimum of 50% marks in each head of passing in the University Examination. Theory and Practical / Clinical Examination will be treated as separate heads of Passing.
- 12.2 The candidate will be declared as passed with Distinction if he secures more than 75% marks.
- 12.3 Any candidate who fails an Examination is not permitted to go to the next higher class and appear for the subject and complete it successfully before he can appear for the next higher examination.
- 12.4 If a candidate fails either in theory or in practical/clinical Examination of a subject he / she will be declared failed in that subject and he / she will have to appear for theory and practical / clinical Examination again.

13. Syllabus for the entire MBBS course will be provided separately.

PIMS, Loni. 413 736

Circular No.....
Date.....

Registrar
Pravara Institute of Medical Sciences