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MBBS Professional Examination Scheme

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Introduction

These regulations will be applicable to the students of Bachelor of Medicine and Bachelor of Surgery (MBBS) course at All India Institute of Medical Sciences, Rajkot.

The duration of MBBS is 5½ years i.e. 4½ MBBS course + 1 year compulsory internship.

The MBBS course of 4½ years is divided into three professional phases and nine semesters as under:

Phase-I: 1st Professional-Pre-clinical

- 1st Professional duration is 1 year (2 Semester of 6 months each)
- Subjects:
 - o Anatomy
 - o Physiology
 - Biochemistry

Phase-II: 2nd Professional- Para Clinical

- 2nd Professional duration is 1½ year (3 Semester of 6 months each)
- Subjects:
 - o Pathology
 - Microbiology
 - Pharmacology
 - o Forensic Medicine

Phase-III: 3rd (Final) Professional- Clinical

- 3rd Professional duration is 2 year (4 Semester of 6 months each)
- Subjects:
 - o Medicine including Psychiatry and Dermatology
 - o Surgery including Orthopaedics, ENT, Ophthalmology and Anaesthesiology,
 - Paediatrics
 - Obstetrics & Gynaecology
 - o Community and Family Medicine (CFM)

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MBBS Examination Roster

There shall be one end semester examination at the end of each semester and $1^{st}/2^{nd}/3^{rd}$ **Professional examination** at the end of 1^{st} , 2^{nd} and 3^{rd} Professional phases respectively.

The semester ending examination of the 2^{nd} , 5^{th} and 9^{th} semester shall be **Pre-professional examination** which shall be the replica (have similar pattern) of professional examination of 1^{st} , 2^{nd} and 3^{rd} Professional phases respectively.

Name of Examination

Phase-I: 1st Professional-Pre-clinical

1st Semester Examination

2nd End Semester (1st Pre-Professional) Examination

1st Professional Examination

Phase-II: 2nd Professional- Para Clinical

3rd Semester Examination

4th Semester Examination

5th End Semester (2nd Pre-Professional) Examination

2nd Professional Examination

Phase-III: 3rd (Final) Professional- Clinical

6th Semester Examination

7th Semester Examination

8th Semester Examination

9th End Semester (3rd Pre-Professional) Examination

3rd Final Professional Examination

Note:- The End Semester Examinations (Except 7th Semester Examination) and Professional Examination will be conducted by the Examination Cell.

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Marking scheme for M.B.B.S. examination at AIIMS Rajkot

Subject	Internal assessment (A) (50% from theory Performance and 50% from performance in practicals)	External assessment (B) (50% from theory Performance and 50% from performance in practicals)	Total marks (A+B)
Anatomy	200	200	400
Physiology	150	150	300
Biochemistry	150	150	300
Pathology	150	150	300
Microbiology	100	100	200
Pharmacology	100	100	200
Forensic Medicine	75	75	150
Medicine	225	225	450
Paediatrics	100	100	200
Surgery	350	350	700
Obst. & Gynae	150	150	300
CFM	250	250	500
Total Marks	2000	2000	4000

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Internal assessment

In the Final Examination of 1^{st} , 2^{nd} and 3^{rd} Professional, 50% of total marks are based on internal assessments, and 50% on the basis of performance in the professional examination.

Pre and Paraclinical subjects (1st and 2nd Professional examination)

- Internal assessment shall be based on-
 - (a) **Ongoing formative assessment** in the form of
 - i) Day-to-day records and log book assessment including required skill certifications carried out by respective departments
 - ii) Part completion/ Mid-semester examination conducted by respective department
 - iii) End semester examination- conducted by Examination cell at the end of each semester.
 - (b) **Summative assessment (Pre-professional examination)** term ending examination of the 2nd, 5th and 9th semester conducted by examination cell.
- Weightage of above exams for calculation of internal assessment marks in Pre and Para-clinical subjects shall be as under-
 - (a) Ongoing formative assessment
 - i) Day-to-day assessment/part completion/ Mid-semester examinations- 20%
 - ii) End semester examinations- 30%
 - (b) Summative assessment (Pre-professional examination)- 50%

Clinical subjects (3rd Professional examination)

- Internal assessment in Clinical subjects shall be carried out on the basis of-
 - (a) **Ongoing formative assessment** in the form of-
 - End-posting assessments carried out by the concerned departments on completion of the clinical posting from 3rd to 9th semesters (Practical).
 - End semester examination- conducted by Examination cell (Theory and Practical) at the end of 6th and 8th semester

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- (b) **Summative assessment (Pre-professional examination)** conducted by Examination cell at the end of 9th semester (Theory and Practical).
- Weightage of above exams for calculation of internal assessment marks in clinical subjects shall be as under-
 - (a) Ongoing formative assessment
 - i) Theory- End semester examinations (6th- 8th semester) 50%
 - ii) Practical- End Posting Assessments (3rd 9th semester)- 20% End semester examinations (6th- 8th semester)- 30%
 - (b) Summative assessment (Pre-professional examination)- 50% Subject-wise weightage of each examination for calculation of internal assessment marks is given in the Breakup of internal assessment marks for 3rd professional examination.
- End-posting assessments are carried out by the concerned departments on completion of the ward/department posting and the marks are sent to the Academic Section at the end of each posting to be added to the 3rd Professional Examination.
- The Academic Section shall provide the result of all internal assessments to the Examination Section for inclusion in the 3rd Professional MBBS Examination marks.

External assessment

• External assessment marks shall be awarded on the basis of 1st, 2nd and 3rd Professional examinations respectively.

Criteria for passing in a subject

- A candidate must obtain 50% marks separately in Theory and in Practical in order to be declared as passed in that subject.
- In subjects that have more than one papers, the candidate must secure minimum 50% of marks in aggregate (all papers together) to pass in the said subject.

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Pattern of M.B.B.S. Professional Examinations

1st Professional

Subject	Category	Theory	Practical	Total
Anatomy	Internal Assessment	100	100	200
	Prof. Examination	100	100	200
	Total Marks	200	200	400
	Pass marks	100	100	200
Physiology	Internal Assessment	75	75	150
	Prof. Examination	75	75	150
	Total Marks	150	150	300
	Pass marks	75	75	150
Biochemistry	Internal Assessment	75	75	150
	Prof. Examination	75	75	150
	Total Marks	150	150	300
	Pass marks	75	75	150
	Internal Assessment	250	250	500
Total	Prof. Examination	250	250	500
	Total Marks	500	500	1000
	Pass marks	250	250	500

Subdivision of marks will be as follows: –

- 1. Multiple choice questions will contribute to 25 % of the total theory marks.
- 2. Viva voce will be the part of practical marks, contribute 20% of the total Practical marks.

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Calculation of Internal Assessment marks (1st Professional)

	Anatomy (Theory)							
(a)	(b)	(c)	(d)	(e)	(f)	(g)		
1 st Sem Exam	PCT/ Mid- Sem Exams	Formative Assessment (a+b)	Pre-Prof Paper I	Pre-Prof Paper II	Summative Assessment (d+e)/4	Internal Assessment (c+f)		
30	20	50	100	100	50	100		

	Anatomy (Practical)							
(a)	(b)	(c)	(d)	(e)	(g)			
1 st Sem Exam	PCT/ Mid- Sem Exams	Formative Assessment (a+b)	Pre-Prof Practical	Summative Assessment (d)/2	Internal Assessment (c+e)			
30	20	50	100	50	100			

	Physiology (Theory)							
(a)	(b)	(c)	(d)	(e)	(f)	(g)		
1 st Sem Exam	PCT/ Mid- Sem Exams	Formative Assessment (a+b)	Pre-Prof Paper I	Pre-Prof Paper II	Summative Assessment (d+e)/5.33	Internal Assessment (c+f)		
22.5	15	37.5	100	100	37.5	75		

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	Physiology (Practical)								
(a)	(b)	(c)	(d)	(e)	(g)				
1 st Sem Exam	PCT/ Mid- Sem Exams	Formative Assessment (a+b)	Pre-Prof Practical	Summative Assessment (d)/2.66	Internal Assessment (c+e)				
22.5	15	37.5	100	37.5	75				

	Biochemistry (Theory)						
(a)	(b)	(c)	(d)	(e)	(f)	(g)	
1 st Sem Exam	PCT/ Mid- Sem Exams	Formative Assessment (a+b)	Pre-Prof Paper I	Pre-Prof Paper II	Summative Assessment (d+e)/5.33	Internal Assessment (c+f)	
22.5	15	37.5	100	100	37.5	75	

	Biochemistry (Practical)								
(a)	(b)	(c)	(d)	(e)	(g)				
1 st Sem Exam	PCT/ Mid- Sem Exams	Formative Assessment (a+b)	Pre-Prof Practical	Summative Assessment (d)/2.66	Internal Assessment (c+e)				
22.5	15	37.5	100	37.5	75				

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2nd Professional

The total marks in the 2nd Professional examination are as follows:

Subject	Category	Theory	Practical	Total
Pathology	Internal Assessment	75	75	150
	Prof. Examination	75	75	150
	Total Marks	150	150	300
	Pass marks	75	75	150
Microbiology	Internal Assessment	50	50	100
	Prof. Examination	50	50	100
	Total Marks	100	100	200
	Pass marks	50	50	100
	Internal Assessment	50	50	100
	Prof. Examination	50	50	100
Pharmacology	Total Marks	100	100	200
	Pass marks	50	50	100
	Internal Assessment	38	37	75
	Prof. Examination	38	37	75
Forensic	Total Marks	76	74	150
Medicine	Pass marks	38	37	75
	Internal Assessment	213	212	425
Total	Prof. Examination	213	212	425
	Total Marks	426	424	850
	Pass marks	213	212	425

Subdivision of marks will be as follows: -

- 1. Multiple choice questions will contribute to 25 % of the total theory marks.
- 2. Viva voce will be the part of practical marks, contribute 20% of the total Practical marks.

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Calculation of Internal Assessment marks (2nd Professional)

	Pathology (Theory)							
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
3 rd	4 th	Mid-	Formative	Pre-Prof	Pre-Prof	Summative	Internal	
Sem	Sem	Sem	Assessment	Paper I	Paper II	Assessment	Assessment	
		Exams	(a+b+c)			(e+f)/5.33	(d+g)	
22	2.5	15	37.5	100	100	37.5	75	

	Pathology (Practical)							
(a)	(a) (b) (c) (d) (e) (f) (h)							
3 rd	4 th	Mid-Sem	Formative	Pre-Prof	Summative	Internal		
Sem	Sem	Exams	Assessment	Practical	Assessment	Assessment		
			(a+b+c)		(e)/2.66	(d+f)		
22	22.5 15 37.5 100 37.5 75							

	Microbiology (Theory)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)		
3 rd	4 th	Mid-Sem	Formative	Pre-Prof	Pre-Prof	Summative	Internal		
Sem	Sem	Exams	Assessment	Paper I	Paper II	Assessment	Assessment		
			(a+b+c)			(e+f)/8	(d+g)		
1	.5	10	25	100	100	25	50		

	Microbiology (Practical)							
(a)	(b)	(c)	(d)	(e)	(f)	(h)		
3 rd	4 th	Mid-Sem	Formative	Pre-Prof	Summative	Internal		
Sem	Sem	Exams	Assessment	Practical	Assessment	Assessment		
			(a+b+c)		(e)/4	(d+f)		
1	5	10	25	100	25	50		

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	Pharmacology (Theory)							
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
3 rd	4 th	Mid-Sem	Formative	Pre-Prof	Pre-Prof	Summative	Internal	
Sem	Sem	Exams	Assessment	Paper I	Paper II	Assessment	Assessment	
			(a+b+c)			(e+f)/8	(d+g)	
1	5	10	25	100	100	25	50	

	Pharmacology (Practical)							
(a)	(b)	(c)	(d)	(e)	(f)	(h)		
3 rd	4 th	Mid-Sem	Formative	Pre-Prof	Summative	Internal		
Sem	Sem	Exams	Assessment	Practical	Assessment	Assessment		
			(a+b+c)		(e)/4	(d+f)		
1	.5	10	25	100	25	50		

	Forensic Medicine (Theory)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)			
3 rd	4 th	Mid-Sem	Formative	Pre-Prof	Summative	Internal			
Sem	Sem	Exams	Assessment		Assessment	Assessment			
			(a+b+c)		(e)/5.26	(d+f)			
11	1.5	7.5	19	100	19	38			

	Forensic Medicine (Practical)							
(a)	(b)	(c)	(d)	(e)	(f)	(g)		
3 rd	4 th	Mid-Sem	Formative	Pre-Prof	Summative	Internal		
Sem	Sem	Exams	Assessment		Assessment	Assessment		
			(a+b+c)		(e)/5.4	(d+f)		
11 7.5		7.5	18.5	100	18.5	37		

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3rd Professional

The total marks in the 3rd Professional examination are as follows:

Subject	Category	Theory	Practical	Total
	Internal Assessment	113	113	226
Medicine	Prof. Examination	112	112	224
	Total Marks	225	225	450
	Pass marks	112.5	112.5	225
	Internal Assessment	50	50	100
Paediatrics	Prof. Examination	50	50	100
	Total Marks	100	100	200
	Pass marks	50	50	100
	Internal Assessment	175	175	350
Surgery	Prof. Examination	175	175	350
	Total Marks	350	350	700
	Pass marks	175	175	350
	Internal Assessment	75	75	150
Obst. & Gynae	Prof. Examination	75	75	150
	Total Marks	150	150	300
	Pass marks	75	75	150
	Internal Assessment	125	125	250
CFM	Prof. Examination	125	125	250
	Total Marks	250	250	500
	Pass marks	125	125	250
	Internal Assessment	538	538	1076
Total	Prof. Examination	537	537	1074
	Total Marks	1075	1075	2150
	Pass marks	537.5	537.5	1075

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Breakup of internal assessment marks for $3^{\rm rd}$ professional examination

	Medicine											
	Posting		Enc	d Sem	ester Exam		9 th (F	re-Prof)	Inte	Internal		
	essments 9 th Sem)	6	th	7 th	8 th		Assessmen		sment			
T	P	T	P		T	P	T	P	T	P		
0	23	24	10	_	32	23	57 56		113	112		
	(GM-18, DER-2.5 PSY-2.5)				(GM-20, DER-6 & PSY-6)	(GM-18, DER-2.5 PSY-2.5)						

6th End Semester Exam

- Theory (24)- One paper of maximum marks 100
- Practical (10)

8th End Semester Exam

- Theory (32)- one paper of maximum marks- 100
- Distribution of marks –

	Distribution	Marks out of 100				
	of marks (32)	Theory	MCQ	Total		
General Medicine	20	47	15	62		
Dermatology	6	14	5	19		
Psychiatry	6	14	5	19		

• Practical (Max marks- 23)

9th End Semester Exam (Pre-Prof Examination)

• Pattern of Pre-professional examination shall be same as that of final professional examination

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Final Professional Exam

Prof. Exam (Theory)

- General Medicine (113) breakup of marks
 - o General Medicine- 90
 - o Dermatology- 11
 - o Psychiatry- 12
- There shall be 2 theory papers of 100 marks each with final weightage of marks as under
 - o Paper 1- (Medicine 45 + Dermatology-11) = 56
 - o Paper 2- (Medicine- 45 + Psychiatry-12) = 57

	Medicine (Theory)							
	Distribution	I	Marks out of 100					
	of marks	Theory	MCQ	Total				
Paper 1	56							
General Medicine	45	60	20	80				
Dermatology	11	15	5	20				
Paper 2	57							
General Medicine	45	60	19	79				
Psychiatry	11	15	6	21				

MEDICINE (Practical)						
Distribution of Marks for Practical exam (Medicine): Maximum Marks- 112						
General Medicine	90					
Dermatology	11					
Psychiatry	11					

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Paediatrics Paediatrics										
End Po	_]	End So	emester I	Exam		9 th (Pre-Prof)		Internal Assessment	
Assess (3 rd -9 th		6 ^{tl}	1	7^{th}	8 th					
T	P	T	P		T	P	Т	P	T	P
0	10	10	5	-	15	10	25	25	50	50

	Surgery									
	d Posting	End Semester Exam			9 th (Pre-Prof)		Internal			
	sessments d-9 th Sem)	6 th		7 th	7 th 8 th				Assessment	
T	P	Т	P		T	P	T	P	T	P
0	30	40	10	-	47	47	88	88	175	175
		S-35 OPH-5					S-17, OPH-10, ORTH-10, ENT-10	S-12, OPH- 15, ORTH-10, ENT-10		

6th End Semester Exam

- Theory (40)- One paper of maximum marks 100
- Distribution of marks –

	Distribution of	Marks out of 100			
	marks (40)	Theory	MCQ	Total	
General Surgery	35	65	22	87	
Ophthal	5	10	3	13	

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8th End Semester Exam

- Theory (47)- one paper of maximum marks- 100
- Distribution of marks –

	Distribution	Marks out of 100			
	of marks (47)	Theory	MCQ	Total	
General Surgery	17	27	10	37	
Ophthal	10	16	5	21	
E.N.T.	10	16	5	21	
Ortho	10	16	5	21	

• Practical (Max marks- 47)

	Distribution of marks (47)
General Surgery	12
Ophthal	15
E.N.T.	10
Ortho	10

9th End Semester Exam (Pre-Prof Examination)

• Pattern of Pre-professional exam shall be same as that of final professional examination

Final Professional Exam

Prof. Exam (Theory)

- General Surgery (175) breakup of marks
 - o General Surgery =105
 - \circ Ophthalmology = 30
 - \circ Orthopaedics = 20
 - \circ E. N. T. = 20

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- There shall be 3 theory papers of 100 marks each with final weightage of marks as under-
 - Paper I = 65 (General Surgery-65)
 - Paper II = 60 (General Surgery including Anaesthesia-35+5=40 + Ortho 20)
 - o Paper III = 50 (Ophthalmology- 30 + ENT- 20)

	Surgery (Theory)							
	Distribution	Marks out of 100						
	of marks	Theory	MCQ	Total				
Paper 1	65							
General Surgery	65	75	25	100				
Paper 2	60							
General Surgery	40	50	16	66				
Ortho	20	25	9	34				
Paper 3	50							
Ophthal	30	45	15	60				
E.N.T.	20	30	10	40				

Surgery (Practical)					
Distribution of Marks for Practical exam (Surgery): Maximum Marks- 175					
General Surgery	105				
Ophthal	30				
E.N.T.	20				
Ortho	20				

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Obstetrics and Gynaecology										
End Po	_	End Semester Exam					9 th (Pre-Prof)		Internal Assessment	
Assessments (3 rd -9 th Sem)		6 ^{tl}	n	7 th	8 th					
Т	P	T	P		T	P	Т	P	T	P
0	15	15	8	-	22	15	38	37	75	75

Community and Family Medicine (CFM)											
End Po	_		End	Sem	ester F	Exam		9th (Pre-Prof) Internal Assessment			Assessment
Assessments (3 rd -9 th Sem)		6 th s	sem	7 th	7 th sem 8 th sem						
T	P	T	P	T	P	T	P	Т	P	T	P
0	25	30	0	-	15	30	20	65	65	125	125

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