

Basic Information About MBBS Course

1. Name of the Course: Bachelor of Medicine & Bachelor of Surgery (MBBS)

2. Basic Qualifications & Prerequisite for Entrance in MBBS Course:

- (i) HSC or Equivalent with Science. (Biology, Physics, Chemistry)
- (ii) Candidate has to secure required grade point in the SSC and HSC examinations.

3. Students Selection Procedure for MBBS course: According to decision by the proper competent authority as per merit.

4. Medium of Instruction: English

5. Duration of the Course : MBBS course comprises of Five years, followed by Logbook based Rotatory Internship for one year.

6. Course Structure and Duration details:

The MBBS course is divided into Four phases.

Phase	Duration	Subjects	Examination
1 st phase	1½ year	Anatomy Physiology Biochemistry	First Professional MBBS
2 nd phase	1 year	Community Medicine Forensic Medicine	Second Professional MBBS
3 rd phase	1 year	Pharmacology & Therapeutics Pathology Microbiology	Third Professional MBBS
4 th phase	1½ year	Medicine & Allied subjects Surgery & Allied subjects Obstetrics and Gynaecology	Final Professional MBBS

NB: All academic activities including professional examination of each phase must be completed within the specified time of the phase.

7. Phase wise Distribution of Teaching-Learning Hours:

First Phase

Subjects	Lecture (in hours)	Tutorial	Practical	Others	Integr- ated teaching	Formative Exam		Summative exam		Total
						Prepara- tory leave	Exam time	Prepara- tory leave	Exam time	
Anatomy	115	53	52	Dissection + Card exam 310	30 hrs	35 days	42 days	30 days	30 days	530
Physiology	120	120	100	-						340
Biochemistry	120	100	100	-						320
Total	355	273	252	310						1190
Behavioral science, communication skill and medical ethics will be taught through five lecturers (5 hours) within 1 st phase under supervision of Community Medicine department										5
Grand Total										1195
<i>(Time for integrated teaching, exam. preparatory leave of formative & summative assessment is common for all subjects of the phase)</i>										

Second Phase

Subjects	Lecture (in hours)	Tutorial	Practical/ Demonstration	Integrated teaching	Formative Exam		Summative exam		Total	
					Prepara- tory leave	Exam time	Prepara- tory leave	Exam time		
Community Medicine	110	160	COME (community based medical education) :30 days (10 days day visit + 10 days RFST+ 10 days study tour)- 30 days (10+10+10)	05	15 days	15 days	15 days	20 days	275 + 30 days	
Forensic Medicine	80	55	55	05					195	
Total	190	215	55	10					470	
<i>(Time for exam. preparatory leave and formative & summative assessment is common for all subjects of the phase)</i>										

Third Phase									
Subjects	Lecture (in hours)	Tutorial	Practical	Others	Formative Exam		Summative Exam		Total
					Preparatory leave	Exam time	Preparatory leave	Exam time	
Parmacology & Therapeutics	100	30	50	Clinical Pharmacology 20	10 days	15 days	10 days	15 days	200
Pathology	100	100	28	-					228
Microbiology	100	45	45	-					190
Total	300	175	123	20					618
<i>(Time for exam, preparatory leave and formative and summative assessment is common for all subjects of the phase)</i>									

**Fourth Phase
Medicine & Allied Subjects**

Subjects	Lecture (in hours)				Tutorial classes	Integrated teaching	Clinical (bedside teaching), in weeks			Total weeks	Block posting	Formative Exam	Summative exam	
	2 nd phase	3 rd phase	4 th phase	Total			2 nd phase	3 rd phase	4 th phase					
Internal medicine	26	24	110	160	200	20 hrs.	14	06	12+2(OP D)	34	4 weeks	Preparatory leave-15 days Exam time -15 days	Preparatory leave-15 days Exam time -30 days	
Psychiatry	-	-	20	20	-		-	03	-	03				
Dermatology	-	-	20	20	-		-	03	-	03				
Pediatrics	04	20	26	50	25		04	-	06	10				
Physical Medicine	-	-	05	05	-		-	02	-	02				
Emergency	-	-	-	-	-		02			02				
Total	30	44	181	255	225	20 hrs.	20	14	20	54	4 weeks			
Grand Total	500 hours						58 weeks						75 days	
<i>Time for exam, preparatory leave, formative & summative assessment is common for all subjects of the phase</i>														
Preventive aspects of all diseases will be given due importance in teaching learning considering public health context of the country and others parts of the world.														
Related ethical issues will be discussed in all clinical teaching learning.														

Surgery & Allied Subjects

Subjects	Lecture (in hours)				Tutorial Practical /Demos tration	Integr ated teaching	Clinical/ Bedside teaching (in week)			Total Weeks	Block posting	Formative Exam	Summative Exam
	2 nd Phase	3 rd Phase	4 th Phase	Total			2 nd Phase	3 rd Phase	4 th Phase				
General Surgery	35	30	60	125	200	20	12+4	-	6	22	4 wks	Preparatory leave -15 days Exam time –15 days	Preparatory leave -15 days Exam time –30 days
Orthopaedics	5	10	30	45			-	4	4	8			
Radiology	-	-	5	5			1	-	-	1			
Radiotherapy	-	-	8	8			-	1	-	1			
Transfusion medicine	-	5	-	5			1	-	-	1			
Anesthesia	-	10	-	10			1	-	-	1			
Neurosurgery	-	2	5	7			-	1	-	1			
Pediatric Surgery	-	5	10	15			-	-	2	2			
Urology	-	5	10	15			-	-	2	2			
Burn & Plastic Surgery	3	-	2	5			-	-	1	1			
Emergency & Casualty	-	-	-	-			-	-	1	1			
Dentistry	-	-	-	-			1	-	-	1			
Ophthalmology	-	40 hrs		40			-	4	4	8			
Otolaryngology	-	40 hrs		40			-	4	4	8			
Total	300 hrs				200	20	20 wks	14 wks	24 wks	58wks	4wks		
Grand Total	520 hours						62 weeks				75 days		

(Time for exam, preparatory leave and formative & summative assessment is common for all subjects of the phase)

Preventive aspects of all diseases will be given due importance in teaching learning considering public health context of the country and others parts of the world.

Related ethical issues will be discussed in all clinical teaching learning.

Obstetrics & Gynaecology

Lecture		Tutorial / Demonstration	Integrated Teaching	Total hours	Clinical bed side teaching in 3 rd & 4 th phase	Block placement	Formative Exam		Summative exam	
3 rd Phase	4 th Phase						Preparatory leave	Exam time	Prepa ratory leave	Exam time
30 hrs	70 hrs	85 hrs	15 hrs	200 hrs	16 weeks (8+8)	4 weeks	15 day	15 day	15 day	30 day

(Time for exam, preparatory leave and formative & summative assessment is common for all subjects of the phase)

Preventive aspects of all diseases will be given due importance in teaching learning considering public health context of the country and others parts of the world.

Related ethical issues will be discussed in all clinical teaching learning.

8. Teaching & Learning methods:

The following teaching and learning methods will be followed:

Large Group Teaching:

- Lecture
- Seminar

Small Group Teaching:

- Tutorial
- Demonstration
- Students interaction
- Problem Based Learning (PBL)

Practical session:

- Use of practical manual
- Performing the task/ examination by the student
- Writing the practical note book

Field Placement (Community based medical education):

- In small groups for performing activities by the student themselves

Clinical Teaching:

- In ward, OPD, OT, POW, ED, ICU, etc.
- By concerned persons

Integrated teaching:

Encourage to learn ICT through computer lab of the college.

9. Assessment:

- A. There will be in-course (card/item/term) and end-course (professional) assessment for the students in each phase (1st, 2nd, 3rd & 4th phase) of the course i.e. formative and professional examination.
- B. Formative assessment will be done through results of items, card and term ending examination & class attendance.
- C. For formative assessment, 10% marks of written examination of each paper of each subject is allocated.
- D. For MCQ of each paper, 20% marks are allocated. There will be separate answer script for MCQ part of examination. Total number of MCQ will be 20.
- E. For SAQ of each paper, 70% marks are allocated
- F. Oral part of the examination will be structured
- G. OSPE/ OSCE will be used for assessing skills/ competencies. Traditional long & short cases will be also used for clinical assessment.
- H. There will be phase final professional examination within the each academic phase.

I. Eligibility for appearing in the professional examination:

- Certificate from the respective head of departments regarding students obtaining at least 75% attendance in all classes (theory, practical, tutorial, residential field practice, clinical placement etc.) during the phase.
- Obtaining at least 60% marks in examinations.
- No student shall be allowed to appear in the professional examinations unless the student passes in all the subjects of the previous professional examinations.

II. Pass Marks:

Pass marks is 60%. Student shall have to pass written (MCQ + SAQ + Formative), oral, practical and clinical examination separately.

III. Examinations & Distribution of marks:

First Professional Examination

Subjects	Written Exam marks	Struct ured Oral Exam marks	Practical Exam marks		Formative Exam marks	Total Marks
			Soft part	Hard part		
Anatomy	180	150	75	75	20	500
Physiology	180	100	100		20	400
Biochemistry	180	100	100		20	400
Total						1300

Second Professional Examination

Subjects	Written Exam marks	Structu red Oral Exam marks	Practical Exam marks	Formative Exam marks	Total Marks
Community Medicine	90	100	100	10	300
Forensic Medicine	90	100	100	10	300
Total					600

Third Professional Examination

Subjects	Written Exam marks	Structured Oral Exam marks	Practical Exam marks	Formative Exam marks	Total Marks
Pharmacology & Therapeutics	90	100	100	10	300
Pathology	90	100	100	10	300
Microbiology	90	100	100	10	300
Total					900

Fourth Professional Examination

Subjects	Written Exam marks	Structured Oral Exam marks	Clinical	Practical	Formative Exam marks	Total Marks
Medicine & Allied Subjects	180	100	100	100	20	500
Surgery & Allied Subject	180	100	100	100	20	500
Obstetrics & Gynecology	180	100	100	100	20	500
Total						1500

IV. Common Rules for Examinations:

- a) University professional examination to be started from May and November.
- b) University professional examinations will be completed within the specified time of the concerned phase
- c) No carry on system before passing 1st professional examination
- d) After passing 1st professional examination students can appear for 2nd professional examinations if all other prerequisites for 2nd professional examination are fulfilled. In the mean time students can attend clinical ward placement, teaching learning.
- e) To appear 3rd professional examination students have to pass all the subjects of previous 2nd professional examination if all other prerequisites are fulfilled. In the mean time students can attend clinical ward placement, teaching learning. Students can also attend the classes of subjects of 4th phase
- f) To appear 4th (Final) professional examination students have to pass all the subjects of previous 3rd professional examination if all other prerequisites are fulfilled. In the mean time students can attend clinical ward placement, teaching learning.

V. Few directives and consensus about the following issues of assessment:

- i. In case of OSPE/OSCE- Instruments/equipments to be taken to oral boards to ask open questions to the students apart from Structured Oral Examination (SOE). There will be scope of instruments related viva, specially in clinical subjects and where applicable. Central OSPE/OSCE from Dean Office after moderation will be encouraged.
- ii. In case of Structured Oral Examination (SOE), instead of preparing specific structured question, topics will be fixed considering wide range of contents coverage. Rating scale will be used for marking the students concurrently. Each student will be asked questions from all topics of the set. Equal or average duration of time will be set for every student.

10. Internship:

After passing final professional MBBS examination students have to enroll for one year log book based rotatory internship programme. Within this one year 11 months and 15 days at medical college hospital and 15 days at UHC. Internship programme will be more structured and supervised. It is compulsory to complete Internship Training Programme designed by BM&DC to get permanent registration for doing independent practice.