

## 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:** MBBS course comprises of 5 Years, followed by logbook based rotatory internship for one year

### 75 Course structure and duration

The MBBS course is divided into four phases .

Phase	Duration	Subjects	Examination
1 <sup>st</sup> phase	1½ year	Anatomy Physiology Biochemistry	First Professional MBBS
2 <sup>nd</sup> phase	1 year	Community Medicine Forensic Medicine	Second Professional MBBS
3 <sup>rd</sup> phase	1 year	Pharmacology & Therapeutics Pathology Microbiology	Third Professional MBBS
4 <sup>th</sup> 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:

### *1<sup>st</sup> Phase*

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

### *2<sup>nd</sup> Phase*

Subject	Lecture (in hours)	Tutorial	Practical/Demons tration	Integrated teaching	Formative Exam		Summative exam		Total	
					Prepa ratory leave	Exam time	Prepar atory leave	Exam time		
Commun ity Medicine	110	160	COME (community based medical education):30 days (10 days day visit + 10 days RFST+ 10 days study tour)- <b>30 days</b> (10+10+10)	05	15 days	15 days	15 days	20 days	275 + 30 days	
Forensic Medicine	80	55	55	05					195	
<b>Total</b>	<b>190</b>	<b>215</b>	<b>55</b>	<b>10</b>					<b>470</b>	
<i>(Time for exam, preparatory leave and formative and summative assessment is common for all subjects of the phase)</i>										

<b>3<sup>rd</sup> Phase</b>									
Subject	Lecture (in hours)	Tutorial	Practical	Others	Formative Exam		Summative exam		Total
					Preparatory leave	Exam time	Preparatory leave	Exam time	
Pharmacology & 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
<b>Total</b>	<b>300</b>	<b>175</b>	<b>123</b>	<b>20</b>					<b>618</b>

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

### 4<sup>th</sup> Phase Medicine & Allied Subjects

Subject	Lecture (in hours)				Tutorial classes	Integrated teaching	Clinical (bedside teaching), in weeks			Total weeks	Block posting	Formative Exam	Summative exam
	2 <sup>nd</sup> phase	3 <sup>rd</sup> phase	4 <sup>th</sup> phase	Total			2 <sup>nd</sup> phase	3 <sup>rd</sup> phase	4 <sup>th</sup> phase				
Internal medicine	26	24	110	160	200	20 hrs.	14	06	12+2(OPD)	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			
<b>Total</b>	<b>30</b>	<b>44</b>	<b>181</b>	<b>255</b>	<b>225</b>		<b>20 hrs.</b>	<b>20</b>	<b>14</b>	<b>20</b>			
<b>Grand Total</b>	<b>500 hours</b>						<b>58 weeks</b>					<b>75 days</b>	

Time for exam, preparatory leave, 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

## Surgery & Allied Subjects

Subject	Lecture (in hours)				Tutorial/Practical/Demonstration	Integrated teaching	Clinical/Bedside teaching (in week)			Total Weeks	Block posting	Formative Exam	Summative Exam
	2 <sup>nd</sup> Phase	3 <sup>rd</sup> Phase	4 <sup>th</sup> Phase	Total			2 <sup>nd</sup> Phase	3 <sup>rd</sup> Phase	4 <sup>th</sup> 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			
Bum 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			
<b>Total</b>	300 hrs				200	20	20 wks	14 wks	24 wks	58wks	4wks		
<b>Grand total</b>	<b>520 hours</b>						<b>62 weeks</b>					<b>75 days</b>	

*(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 bedside teaching in 3 <sup>rd</sup> & 4 <sup>th</sup> phase	Block placement	Formative Exam		Summative exam	
3 <sup>rd</sup> Phase	4 <sup>th</sup> Phase						Preparatory leave	Exam time	Preparatory leave	Exam time
30 hrs	70 hrs	85 hrs	15hrs	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, 2<sup>nd</sup>, 3rd & 4<sup>th</sup> 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

**J. Pass Marks:**

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

**K. 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 Subject	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

#### L. Common Rules for Examinations

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

**M. 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.

