Vision, Mission, Goal and Objectives of MBBS Course, Learning Outcomes/Competences of Fresh Graduates

Vision:

Ensuring a learning environment in undergraduate medical programme that encourages and promotes development of clinically, socially and culturally competent professionals motivated to serve the community with compassion and dedication

Mission:

- To provide quality education with basic principles, methods and knowledge adequate to practice preventive, curative and promotive healthcare in the community
- To prepare professionals competent to deal with ethical and professional issues, having communication and decision making skills and attitudes, and capable of providing leadership and conducting research for future progression as a change agent.

Goal:

To produce competent, compassionate, reflective and dedicated health care professionals who:

- consider the care and safety of their patients their first concern
- establish and maintain good relationship with patients, their attendants and colleagues
- are honest, trustworthy and act with integrity
- are capable of dealing with common diseases and health problems of the country and are willing to serve the community particularly the rural community;
- but at the same time acquire firm basis for future training, service and research at both national and international level.
- are committed to keep their knowledge and skill up-to-date through 'Continuous Professional Development' all through their professional life.

Objectives of MBBS Course:

At the end of the MBBS Course students shall:

1. Acquire knowledge and understanding of

- a) the sciences upon which Medicine depends and the scientific and experimental methods;
- b) the structure, function and normal growth and development of the human body and the workings of the mind and their interaction, the factors which may disturb these, and the disorders of structure and function which may result;
- c) the etiology, natural history and prognosis of the common mental and physical ailments. Students must have experience of emergencies and a good knowledge of the common diseases of the community and of ageing processes;
- normal pregnancy and childbirth, the common obstetric emergencies, the principles of ante-natal and post natal care, and medical aspects of family planning and psycho-sexual counseling;

- e) the principles of prevention and of therapy, including health education, the amelioration of suffering and disability, rehabilitation, the maintenance of health in old age, and the care of the dying;
- f) human relationships, both personal and social and the interaction between man and his physical, biological and social environment;
- g) the organization and provision of health care in the community and in hospital, the identification of the need for it, and the economic, ethical and practical constraints within which it operates; and
- h) the ethical standards and legal responsibilities of the medical profession.

2. Develop the professional skills necessary to

- a) elicit, record and interpret the relevant medical history, symptoms and physical signs, and to identify the problems and how these may be managed;
- b) carry out simple practical clinical procedures;
- c) deal with common medical emergencies;
- d) communicate effectively and sensitively with patients and their relatives;
- e) communicate clinical information accurately and concisely, both by word of mouth and in writing, to medical colleagues and to other professionals involved in the care of the patient; and
- f) use laboratory and other diagnostic and therapeutic services effectively and economically, and in the best interests of his patients.

3. Develop appropriate attitudes to the practice of medicine, which include

- a) recognition that a blend of scientific and humanitarian approaches is needed in medicine;
- b) a capacity for self education, so that he may continue to develop and extend his knowledge and skills throughout his professional life, and recognize his obligation to contribute if he can to the progress of medicine and to new knowledge;
- c) the ability to assess the reliability of evidence and the relevance of scientific knowledge, to reach conclusions by logical deduction or by experiment, and to evaluate critically methods and standards of medical practice;
- d) a continuing concern for the interests and dignity of his patients;
- e) an ability to appreciate the limitations of his own knowledge, combined with a willingness, when necessary, to seek further help; and
- f) the achievement of good working relationships with members of the other health care professions.

Learning Outcomes of MBBS course:

To achieve the National goal and course objectives, a set of "Essential learning outcomes / competences" which students of the medical colleges/institutes on completion of MBBS course and at the point of graduation must be able to demonstrate has been defined.

These "essential learning outcomes / competences" are grouped under three board headings:

- I The graduate with knowledge of scientific basis of Medical Practice
- II The graduate as a practitioner
- III The graduate as a professional

I. The graduate with knowledge of scientific basis of Medical Practice:

The graduate will understand and be able to apply basic bio-medical (anatomy, cell biology, genetics, physiology, biochemistry, nutrition, pathology, molecular biology, immunology, microbiology, pharmacology and community medicine) principles, methods and knowledge to

- 1.1 understand the normal processes governing homeostasis, and the mechanisms underlying the common diseases and health problems of the country.
- 1.2 understand the psychological and sociological concepts of health, illness and disease and explain psychological and sociological factors that contribute to illness, course of disease and success of treatment.
- 1.3 select appropriate investigations necessary for diagnosis of common clinical cases and explain the fundamental principles underlying such investigative procedures.
- 1.4 select appropriate treatment (including rational prescribing of drugs), management and referral (if in the patient's best interest) plan for common clinical cases, acute medical emergencies and minor surgical procedures.
- 1.5 understand biochemical, pharmacological, surgical, psychological, social and other interventions in acute and chronic illness, in rehabilitation, and end-of-life care.
- 1.6 understand disease surveillance and prevention, health promotion including wider determinants of health, health inequalities, health risks.
- 1.7 understand communicable disease control in health care facility and community settings.
- 1.8 understand international health status, including global trends in morbidity and mortality of chronic diseases of social significance, the impact of trade and migration on health and the role of international health organizations.
- 1.9 undertake critical appraisal of diagnostic, therapeutic and prognostic trials and other quantitative and qualitative studies as reported in medical and scientific literature.
- 1.10 understand simple research questions in biomedical and population science and the design of relevant studies.

II. The Doctor as a practitioner

- 2.1. The graduate will have the ability to carry out a consultation with a patient (Appendix-III):
 - 2.1.1. Obtain and record an accurate medical history, including such related issues as age, gender, and socioeconomic status.
 - 2.1.2. Perform a both comprehensive and organ system specific examinations, including a mental status examination.
 - 2.1.3. Elicit patients' questions, understanding of their condition and treatment options, and their views, values and preferences.
 - 2.1.4. Provide explanation, advice, reassurance and support.

2.2. The graduate will have the ability to diagnose and manage clinical cases or will refer when necessary. (Appendix I & II):

- 2.2.1. Interpret findings from the history, physical examination and mental-state examination and make an initial assessment of a patient's problems and a differential diagnosis appreciating the processes by which such diagnosis is tested scientifically.
- 2.2.2. Construct a plan of investigation in partnership with the patient, obtaining informed consent as an essential part of this process appreciating patient's right to refuse or limit the investigation.
- 2.2.3. Interpret the results of investigations, including growth charts, x-rays and the results of diagnostic procedures in *Appendix III*.
- 2.2.4. Synthesize a full assessment of the patient's problems and define the likely diagnosis or diagnoses.
- 2.2.5. Formulate a plan for management and discharge including referrals to the right professional, according to the established principles and best evidence, in partnership with the patient, their careers and other health professional as appropriate.
- 2.2.6. Respond to patients' concerns and preferences, obtain informed consent, recognize and respect patients' right to reach decisions about their treatment and care and to refuse or limit treatment.

2.3. The graduate will have the ability to provide immediate care in medical emergencies in *Appendix IV*:

- 2.3.1. Assess and recognize the severity of a clinical presentation and need for immediate emergency care.
- 2.3.2. Provide basic first-aid and immediate life support.
- 2.3.3. Provide cardio-pulmonary resuscitation or direct other team members to carry out resuscitation.
- 2.4. The graduate will have the ability to prescribe drugs safely, effectively and economically. *Appendix III:*
 - 2.4.1. Obtain an accurate drug history, covering both prescription and non-prescription OTC drugs including complementary and alternative medications and demonstrate awareness of the existence and range of these therapies and how this might affect other types of treatment that patient are receiving.
 - 2.4.2. Formulate appropriate drug therapy and record the outcome accurately.
 - 2.4.3. Recognize and respect patients' right to information about their medicines.
 - 2.4.4. Detect, mange and report adverse drug reactions.

2.5. The graduate will have the ability to carry out practical procedures safely and effectively. *Appendix III*:

- 2.5.1. Perform, measure and record the findings of diagnostic procedures.
- 2.5.2. Perform therapeutic procedures.
- 2.5.3. Demonstrate correct practice in general aspects of practical procedures.

2.6. The graduate will have the ability to apply principles, method and knowledge of health informatics to medical practice:

- 2.6.1. Keep accurate, legible and complete medical records.
- 2.6.2. Use effectively computers and other information systems, including storing and retrieving information.
- 2.6.3. Stick to the requirements of confidentiality and data protection legislation in all dealings with information.

- 2.6.4. Access and use effectively information sources in relation to patient care, health promotion, research and education.
- 2.7. The graduate will have the ability to communicate effectively in a medical context. (Appendix III):
 - 2.7.1. Communicate clearly and sensitively with patients, their relatives or other careers, and colleagues from medical and other professions by listening, sharing and responding.
 - 2.7.2. Communicate by spoken, written and electronic methods and recognize and respect significance of non-verbal communication in medical consultation.
 - 2.7.3. Communicate appropriately in difficult circumstances, such as in times of disclosing bad news and discussing sensitive issues, i.e. alcohol consumption, smoking or obesity.
 - 2.7.4. Communicate appropriately with difficult, violent patients and with mentally ill people.
 - 2.7.5. Communicate effectively in various roles, i.e. as patient advocate, teacher, manager or improvement leader.

III. The Doctor as a professional

- 3.1. The graduate will apply to medical practice ethical, moral and legal principles and will be able to :
 - 3.1.1. Recognize and respect BM&DC's ethical guidance and standards and supplementary ethical guidance that describe what is expected of all doctors registered with BM&DC.
 - 3.1.2. Demonstrate awareness of professional values which include excellence, altruism, responsibility, compassion, empathy, accountability, honesty and integrity, and a commitment to scientific methods.
 - 3.1.3. Make the care of the patient the first concern and maintain confidentiality, respect patients' dignity and privacy and act with appropriate consent.
 - 3.1.4. Respect all patients, colleagues and others regardless of their age, color, culture, disability, ethnic or national origin, gender, lifestyle, marital or parental status, race, religion or beliefs, sexual orientation or social or economic status.
 - 3.1.5. Recognize patients' right to hold religious or other beliefs, and respect these when relevant to treatment options.
 - 3.1.6. Know about laws and systems of professional regulation through BM & DC and others, relevant to medical practice and complete relevant certificates and legal documents and liaise with the coroner and others as appropriate
 - 3.1.7. Use moral reasoning and decision-making to conflicts within and between ethical, legal and professional issues including those raised by economic constrains, commercialization of health care, and scientific advances.

3.2. The graduate will be able to reflect, learn and teach:

- 3.2.1. Establish the foundations for lifelong learning and continuing professional development, including a professional development portfolio containing reflections, achievements and learning needs.
- 3.2.2. Acquire, assess, apply and integrate new knowledge, learn to adapt to changing circumstances and ensure highest level of professional care to the patients.
- 3.2.3. Recognize own personal and professional limits and seek help from colleagues and supervisors as necessary.

- 3.2.4. Work with colleagues in ways that best serve the interests of patients, pass on information and hand over care, demonstrate flexibility, adaptability and a problem-solving approach.
- 3.2.5. Function effectively as a mentor and teacher, contribute to the appraisal, assessment and review of colleagues and give effective feedback.

3.3. The graduate will be able to learn and work effectively within a multi-professional team:

- 3.3.1. Recognize and respect the roles and expertise of health and social care professionals in the context of working and learning as a multi-professional team.
- 3.3.2. Build team capacity and positive working relationships and undertake leadership and membership roles in a multi-professional team.

3.4. The graduate will have the ability to protect patient and improve care:

- 3.4.1. Place patients' needs and safety at the center of the care process and deal effectively with uncertainty and change.
- 3.4.2. Know about the framework of medical practice in Bangladesh including the organization, management and regulation of healthcare provision; the structures, functions and priorities of the National Health Policy; and the roles of, and relationships between the agencies and services involved in protecting and promoting individual and population health.
- 3.4.3. Apply the principles of risk management and quality assurance to medical practice including clinical audit, adverse incident reporting and how to use the results of audit to improve practice.
- 3.4.4. Understand own personal health needs, consult and follow the advice of a qualified professional and protect patients from any risk posed by own health.
- 3.4.5. Recognize the duty to take action if a colleague's health, performance or conduct is putting patients at risk.

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 mandatory logbook based rotatory internship for one year

6. Course structure, subject with duration and professional examination

Phase	Duration	Subjects	Examination
1 st	1 ¹ /2 years	• Anatomy	First
nhase	172 years	Anatomy Developer	Professional
phase			MBBS
and		• Biochemistry	
2"	l year	• Pharmacology & Therapeutics	Second
phase		Forensic Medicine & Toxicology	Professional
		Only lecture, small group teaching (practical, tutorial	MBBS
		etc.), clinical teaching (as applicable) & formative	
		assessment will be conducted in following subjects-	
		General Pathology part of Pathology, General	
		Microbiology part of Microbiology, Medicine & Allied	
		subjects, Surgery & Allied subjects	
3 rd	1 year	Community Medicine & Public Health	Third
phase		• Pathology	Professional
		Microbiology	MBBS
		Only lecture, small group teaching (practical, tutorial	
		etc.), clinical teaching (as applicable) & formative	
		assessment be conducted in following subjects-	
		Medicine & Allied subjects, Surgery & Allied subjects,	
		Obstetrics and Gynaecology.	
4 th	1 ¹ / ₂ years	Medicine & Allied subjects	Final
phase		• Surgery & Allied subjects	Professional
		Obstetrics and Gynaecology	MBBS

The MBBS course is divided into four phases.

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

Special note: After taking admission into the first year of MBBS course, a student must complete the whole MBBS course (pass the final professional MBBS examination) within 12 years timeline.

7. Phase wise hours distribution for teaching-learning and assessment:

				1 st Phase	: Hour Distri	bution					
S-1	viant	ure urs)	ial urs)	ical urs)	Dissectio n and	ated ing	Forn Ex	native am	Summ exa	ative m	Tatal
Sui	oject	Lectu (in hoi	Tutor (in hou	Practi (in hoi	others (in hours)	Integra teachi	Prepa ratory leave	Exam time	Prepa ratory leave	Exa m time	(in hours)
s, both d sment	Anatomy	115	53	52	307						527
arning ive an assess	Physiology	120	120	97	-	36 hrs	35 davs	42 days	30 davs	30 dave	337
ing-lea ormati ative	Biochemistry	117	100	100	-		uays	uays	uays	uays	317
Teachi fc summ	Total	352	273	249	307	36	77 c	lays	60 d	ays	1181+36 (IT) = 1217
Generic Topic	s on Medical H	umanities	s :(i) Behav	vioral scien	nce, (ii) Medi	cal Sociol	ogy, (iii) l e taught w	Etiquette i	n using of	Social	8

Grand Total

1225 Time for integrated teaching, examination, preparatory leave of formative & summative assessment is common for all subjects of the phase

Related behavioral, professional & ethical issues will be discussed in all teaching learning sessions

2nd Phase: Hour Distribution Formative Summative Total													
	Subject	Lecture (in hours)	Tutorial (in hours)	Practical/ Demonstration (in hours)	Others (in hours)	Integrat ed teaching (IT) (in hours)	Clinical bedside teaching (in weeks)	Form Exa Prepa ratory leave	ative am Exa m time	Summ exa Prepa ratory leave	ative m Exa m time	Total (in hours)	
learning, native & assessment	Pharmacology & Therapeutics	100	30	50	Clinical Pharmac ology 15	17	-					195	
Sin by under the second													
$\begin{array}{c c c c c c c c c c c c c c c c c c c $													
arning native nent	General Microbiology	13	07	15	-	-	-	-	-	-	-	35	
ing,- lea nly forr assessn	Medicine & Allied subjects	28	-	-	-	-	21 weeks	-	-	-	-	28	
Teach	Surgery & Allied subjects	35	-	-	-	-	20 weeks	-	-	-	-	35	
	Total	311 hrs	122 hrs	112 hrs + 12 days	15 hours	17 hours	41 weeks	25 d	ays	25 d	ays	560 hrs + 12 days	
Grand Total577 hrs + 12 days42 weeks45 days560 + 17 (IT) 42 weeks 45 days 577 hrs + 12 days													
Generic Topics on Medical Humanities: (i) Communication skill, (ii) Doctor-patient relationship (DPR) & (iii) Physicians'/bedside manner, etiquette and rapport building with patients will be taught within 2 nd phase. 5 hrs													
Time for Preventive	integrated teaching, aspects of all disease	<i>examin</i> es will b	ation p	reparatory leav	ve and formation teaching	ative and sur	nmative asse	<i>ssment is</i> blic health	common	<i>for all sul</i> of the cou	<i>bjects of</i> ntry and	the phase	
of the world.													
	Related behavioral, professional & ethical issues will be discussed in all clinical and other teaching learning sessions												

3 rd Phase: Hour Distribution													
		ure urs)	rial urs)	Practical/		ated ing urs)	cal ide ing eks)	Form Ex	ative am	Sum ez	mative xam		Total
S	bubject	Lecti (in ho	Tuto) (<i>in ho</i>	Demonstration (in hours)	on	Integr teach (in ho	Clini beds teach (in we	Prepa ratory leave	Exam time	Prepa ratory leave	Exa tim	m e	(in hours)
hing-learning, both ative & summative assessment	Community Medicine & Public Health	110	155	COME (commun based medical education): 30 days (10 days visit + 10 days RFST +10 days study tour)= 30 days (10+10+10)	lity day	18	-	07 days	12 days	07 days	12 day	s	265 + 30 days
Teach form	Pathology	60	54	27									141
	Microbiology	87	38	30			-						155
ng- and ive ent	Medicine & Allied subjects	48	-	-		-	14	-	-	-	-		48
eachir rning only rrmati sessm	Surgery & Allied subjects	103	-	-		-	15	-	-	-	-		103
T lea fo	Obstetrics and Gynaecology	30	-	-		-	8	-	-	-	-		30
	Total	438	247	57 hours + 30 d	ays	18 hrs	37 weeks	19 0	lays	19	days		631
Gra Generic Topic	Grand Total 760 hrs + 30 days 37 weeks 38 days 742+18(IT) eneric Topics on Medical Humanities: (i) Integrity and accountability of medical professionals (ii) Aspects of a good doctor will be 3 hrs												
<i>Time for in</i> Preventive asp	beects of all diseases w	<i>ininatio</i> ill be giv	on prep ven due	aratory leave and importance in teac	<i>format</i> thing le the wo	<i>ive and s</i> arning co rld.	ummative as	sessment i blic health	is common	<i>i for all s</i> of the cou	<i>ubjects</i> intry an	<i>of the</i> d othe	<i>e phase</i> ers parts of
Ke	ated behavioral, pro	ofession	ial & ei	thical issues will	be dise	cussed ii	n all clinica	and oth	er teachi	ng learn	ing ses	sions	
			Small	<i>4th Phase</i> : group teaching	Hour	<u>r Distri</u>	bution		Form	native	Sumi	nati	
S	ubject	Lecture (in hours)	(in ho PBL, demoi Instru demoi Skill 1 Demo equipi Demo comm procee Tutori	production practical instration, mental instration, ab, instration on ment, instration on ion clinical dure, al & etc.	Departmental integrated teaching (in hours)	Common hours for phase interrated teaching	Clinical teaching (in weeks)	Block posting (in weeks)	Preparatory leave x	Exam time	Preparatory leave a	Exam time	Total (<i>in hours</i>)
Teaching-	Allied subjects	153		199	20		24	4	ory lays	ne	ory lays	me	372
formative &	Surgery & Allied subjects	186		134	22	126	24	4	eparato ve 10 č	kam tii 15day:	eparato ve 10 c	xam tii 30days	342
assessment	Obstetrics and Gynaecology	60		58	20		08	4	Pro	Ey	Pro leav	Ē	138
10tal 399 391 62 126 56wks 12 wks 25 days 40 days 852 Grand Total 978 hours 68 wks 65 days 852+126													
Generic Topic will be taught	s on Medical Humar within 4 th phase.	ities: (i) Medi	cal professionalism	n, (ii) Ir	iter-profe	ssionalism &	: (iii) Patie	ent Safety	& Medic	al Erro	:	(IT)=978 5 hrs
Time for in	tegrated teaching, exa	<i>minatio</i>	n prepa	nratory leave and j	formati	ve and su	<i>mmative ass</i>	essment i	s common	for all su	ubjects	of the	<i>phase</i> world
Rel	ated behavioral, pro	fession	al & et	hical issues will	be disc	ussed in	all clinical	and othe	er teachir	ng learni	ng sess	sions	
Generic Ton	Related behavioral, professional & ethical issues will be discussed in all clinical and other teaching learning sessions												

Generic Topics on Medical Humanities for Internship Period: (i) White coat ceremony, (ii) Career planning & (iii)10Continuing Medical Education (CME), Continuing Professional Development (CPD) & Infection Control Practice (ICP)10

	L	ecture	(in hou	rs)	Small group teaching (in hours)	Departmental integrated teaching	Phase integrated teaching	Cli	nical/Bed teaching (in weeks)	side)	Ş	ß	ination		ination	
Subject	2 nd Phase	3 rd Phase	4 th Phase	Total	PBL, Practical demonstration , Instrumental demonstration, Skill lab, Tutorial & etc.	(in hours)	(in hours)	2 nd Phase	3 rd Phase	4 th Phase	Total week	Block postii (in weeks)	Formative exam	(in days)	Summative exam	(in days)
Internal	22	25	90	137	199 hours	(10 topics $\times 2$	(42 topics	14	06+	12	34					
medicine						hours) = 20 hours	\times 3 hours) = 126 hours		2 (OPD)							
Psychiatry	02	-	18	20				-	02	03	05					
Dermatology	-	-	17	17				-	02	03	05		s		s	
Pediatrics	04	20	22	46				04	-	06	10		day		day	
Transfusion medicine	-	03	-	03				01	-	-	01	04 wks	ve-10	ays	ve-10	ays
Physical Medicine	-	-	04	04				02	-	-	02		ory leav	le-15d	ory leav	ne-30d
Nuclear Medicine	-	-	02	02				-	-	-	-		eparatc	am tin	eparatc	am tin
Emergency	-	-	-	-				-	02	-	02		P_{r_0}	Ex	P_{r_0}	Ex
Total	28	48	153	229	199	20	126 hours	21	14	24	59	04 wks	25 d	ays	40 d	ays
Grand Total	rand Total 448 hours 126 hours 63 weeks 65 days															
Tim	Time for integrated teaching, examination preparatory leave and formative & summative assessment is common for all subjects of the phase															
Preventive asp	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.															
		Relate	ed behav	vioral, p	rofessional & ethical iss	sues will be discus	sed in all clinica	al and	l other tea	ching	learnin	ig sessions				

		Clinical/Beds	side & Ambulator	y care teaching (i	n hours)			
	2 nd Phase	e	3 rd P	hase	4 th Ph	ase		
	Indoor clinical/ bedsic Ambulatory care	de teaching & teaching	Indoor clini teach Ambulatory o	cal/ bedside ing & care teaching	Indoor clinica teachin Ambulatory ca	al/ bedside ng & nre teaching	rs ases)	Total weeks {(2 nd phase wks
Subject	Morning	Evening	Morning	Evening	Morning	Evening	otal hou hree ph	+ 3^{th} phase wks + 4^{th} phase wks
	Indoor/ OPD/ Emergency/ Out reached center	Indoor/ Emergency	Indoor/ OPD/ Emergency/ Out reached center	Indoor/ Emergency	Indoor/ OPD/ Emergency/ Out reached center	Indoor/ Emergency	Tc (in tl	 Total three phases wks) × (6 days × 4 or 2 hours)}
	21 weeks	5	14 w	eeks	28 we	eks		
Internal medicine	168 h (14w)	168 h (14w)	96 h (8w)	96 h (8w)	144 h (12w)	144 h (12w)	816 h	$\{14+(6+2)+12\}=$ 34 w× (6 days × 4 hrs)
Psychiatry	-	-	24 h (2w)	24 h (2w)	36 h (3w)	36 h (3w)	120 h	$(0+2+3)=05 \mathbf{w} \times (6 \text{ days} \times 4 \text{ hrs})$
Dermatology	-	-	24 h (2w)	24 h (2w)	36 h (3w)	36 h (3w)	120 h	$(0+2+3)=05 \mathbf{w} \times (6 \text{ days} \times 4 \text{ hrs})$
Pediatrics	48 h (4w)	48 h (4w)	-	-	72 h (6w)	72 h (6w)	240 h	$(4+0+6)=10 \mathbf{w} \times (6 \text{ days} \times 4 \text{ hrs})$
Transfusion medicine	12 h (1w)	-	-	-	-	-	12 h	$(1+0+0) = 01 \mathbf{w} \times (6 \text{ days} \times 2 \text{ hrs})$
Physical Medicine	24 h (2w)	-	-	-	-	-	24 h	$(2+0+0)=02 \mathbf{w} \times (6 \text{days} \times 2 \text{hrs})$
Emergency	-	-	24 h (2w)	24 h (2w)	-	-	48 h	$(0+2+0)=02 \mathbf{w} \times (6 \text{days} \times 4 \text{hrs})$
Block posting	-	-	-	-	48 h (4w)	48 h (4w)	96 h	(0+0+4)= 04 w × (6days × 4hrs)
Total	252 hrs	216 hrs	168 hrs	168 hrs	336 hrs	336 hrs	1476 hrs	63 weeks

	L	ecture	(in hours	s)	Small group teaching (in hours)	grated urs)	aching	Clini e t (in	cal/Be eachir week	dsid ng s)		50	nation		nation	
Subject	2 nd Phase	3 rd Phase	4 th Phase	Total	PBL, Practical demonstration , Instrumental demonstration, Skill lab, Tutorial & etc.	Departmental inte teaching (in hou	Phase integrated te (in hours)	2 nd Phase	3 rd Phase	4 th Phase	Total weeks	Block postin; (in weeks)	Formative examir	(in days)	Summative exami	(in days)
General surgery	35	30	60	125				15	01	07	23					
Orthopaedic surgery	-	15	45	60				02	04	04	10					
Radiology	-	-	05	05				01	-	-	01		s		s	
Radiotherapy	-	-	08	08				-	01	-	01		day	~	day	<i>c</i>
Anesthesia	-	10	-	10				01	-	-	01		10 0	lays	10 0	lay
Neurosurgery	-	-	05	05	124 hours	(11 topics \times	(42 topics \times	-	01	-	01		ve-	-150	-ve-	-306
Pediatric surgery	-	05	10	15	154 110018	2 hours) =	3 hours =	-	-	02	02	04 wks	lea	me-	lea	me-
Urology	-	05	10	15		22 hours	126 hours	-	-	02	02		ory	n ti	ory	n ti
Burn & Plastic surgery/ Emergency & Casualty	-	-	05	05				-	-	01	01		ceparat	Exai	ceparat	Exai
Dentistry	-	-	-	-				01			01		P		\mathbf{P}_{1}	
Ophthalmology	-		38	38				-	04	04	08					
Otolaryngology	-		38	38				-	04	04	08					
Total		3	324		134	22	126 hrs	20	15	24	59 wks	04 wks	25 d	ays	40 da	iys
Grand Total				4	80 hours		126 hrs			63	weeks			65 0	lays	
Time for inte	Time for integrated teaching, examination preparatory leave and formative & summative assessment is common for all subjects of the phase															
Preventive aspects of a	ll diseas	es will	be give	n due in	nportance in teaching le	arning consid	ering public he	ealth co	ntext	of the	e country a	and others	parts	of the	world	1.
F	Related l	oehavio	oral, pro	fessiona	al & ethical issues will b	e discussed in	n all clinical a	nd othe	r teac	hing l	earning se	ssions				

Surgery & Allied Subjects: Hour distribution in 2nd, 3rd & 4th phases in details

		Clinical/B	edside & Ambulat	ory care teaching	(in hours)			
	2 nd I	Phase	3 rd Pl	hase	4 th I	Phase		Total weeks
	Indoor clinical/	bedside teaching	Indoor clinical/ b	edside teaching	Indoor clinical/	bedside teaching		Total weeks
		&	&	5		&	s ses)	((2 nd phase who
Subject	Ambulatory	care teaching	Ambulatory c	are teaching	Ambulatory	care teaching	nour pha	{(2 phase wks
Subject	Morning	Evening	Morning	Evening	Morning	Evening	Total l in three	+ 3 phase wks + 4 th phase wks
	Indoor/ OPD/ Emergency & Casualty	Indoor/ Emergency & Casualty	Indoor/ OPD/ Emergency & Casualty	Indoor/ Emergency & Casualty	Indoor/ OPD/ Emergency & Casualty	Indoor/ Emergency & Casualty	0	$= 10 \text{ target mire phases wks} \\ \times (6 \text{ days} \times 4 \text{ or } 2 \text{ hours}) \}$
	20 v	veeks	15 wo	eeks	28 v	veeks		
General surgery	180 h (15w)	180 h (15w)	12 h (1w)	12 h (1w)	84 h (7w)	84 h (7w)	552 h	$(15+01+07) = 23 \text{ w} \times (6 \text{ days} \times 4 \text{ hrs})$
Orthopaedic surgery	24 h (2w)	24 h (2w)	48 h (4w)	48 h (4w)	48 h (4w)	48 h (4w)	240 h	$(2+4+4) = 10 \mathbf{w} \times (6 \text{ days} \times 4 \text{ hrs})$
Radiology	12 h (1w)	-	-	-	-	-	12 h	$(1+0+0) = 01 \mathbf{w} \times (6 \text{ days} \times 2 \text{ hrs})$
Radiotherapy	-	-	12 h (1w)	-	-	-	12 h	$(0+1+0) = 01 \mathbf{w} \times (6 \text{ days} \times 2 \text{ hrs})$
Anesthesia	12 h (1w)	12 h (1w)	-	-	-	-	24 h	$(1+0+0) = 01 \mathbf{w} \times (6 \text{ days} \times 4 \text{ hrs})$
Neurosurgery	-	-	12 h (1w)	12 h (1w)	-	-	24 h	$(0+1+0) = 01 \mathbf{w} \times (6 \text{ days} \times 4 \text{ hrs})$
Pediatric surgery	-	-	-	-	24 h (2w)	24 h (2w)	48 h	$(0+0+2) = 02 \mathbf{w} \times (6 \text{ days} \times 4 \text{ hrs})$
Urology	-	-	-	-	24 h (2w)	24 h (2w)	48 h	$(0+0+2) = 02 \mathbf{w} \times (6 \text{ days} \times 4 \text{ hrs})$
Burn & Plastic surgery/ Emergency & Casualty	-	-	-	-	12 h (1w)	12 h (1w)	24 h	$(0+0+1) = 01 \mathbf{w} \times (6 \text{ days} \times 4 \text{ hrs})$
Dentistry	12 h (1w)	-	-	-	-	-	12 h	$(1+0+0) = 01 \mathbf{w} \times (6 \text{ days} \times 2 \text{ hrs})$
Ophthalmology	-	-	48 h (4w)	48 h (4w)	48 h (4w)	48 h (4w)	192 h	$(0+4+4) = 08 \text{ w} \times (6 \text{ days} \times 4 \text{ hrs})$
Otolaryngology	-	-	48 h (4w)	48 h (4w)	48 h (4w)	48 h (4w)	192 h	$(0+4+4) = 08 \text{ w} \times (6 \text{ days} \times 4 \text{ hrs})$
Block posting	-	-	-	-	48 h (4w)	48 h (4w)	96 h	(0+0+4)= 04 w × (6days × 4hrs)
Total	240 hrs	216 hrs	180 hrs	168 hrs	336 hrs	336 hrs	1476 hrs	63 weeks

Surgery & Allied Subjects: Hours distribution for Clinical/Bedside teaching in 2nd, 3rd & 4th phases in details

Obstetrics & Gynaecology: Hours distribution in 3rd & 4th phases in details

Le	cture (in h	nours)		Small group teaching (in hours)	Departmental integrated teaching	Phase integrated teaching	Clinical/ teacl (in w	Bedside hing eeks)	bu (Forn exami (in c	native nation lays)	Sumn exami (in d	native nation lays)
	3 rd Phase	4 th Phase	Total	PBL, Practical demonstration , Instrumental demonstration, Skill lab, Tutorial & etc.	(in hours)	(in hours)	3rd Phase 8wks	4 th Phase 8wks	Block posti (in weeks	Preparatory leave 10 days	Exam time 15 days	Preparatory leave 10 days	Exam time 15 days
Total	30	60	90	58 hours	$(10 \text{ topics } \times 2 \\ \text{hours}) \\= 20 \text{ hours}$	$(42 \text{ topics } \times 3)$ $= 126 \text{ hours}$	16 w	eeks	04 wks	25 0	lays	40 c	lays
Grand Total	rand Total168 hours126 hours20 weeks65 days												
	Time for int	tegrated tea	ching, exa	mination preparator	y leave and format	ive & summative as	ssessment i	s common	for all sub	pjects of	the phase		
Preventive	aspects of	all disease	s will be	given due importance	e in teaching learnir	ng considering publ	ic health co	ontext of th	ne country	and othe	rs parts o	f the wor	ld.
	Related behavioral, professional & ethical issues will be discussed in all clinical and other teaching learning sessions												

Obstetrics & Gynaecology: Hours distribution for <u>Clinical/Bedside</u> teaching in 3rd & 4th phases in details

		Clinical/H	Bedside & Ambul	atory care teaching	g (in hours)			
	2 nd	Phase	3 rd 1	Phase	4 th 1	Phase		Total weeks
	Indoor clinical/ Ambulatory	bedside teaching & care teaching	Indoor clinical/ Ambulatory	bedside teaching & care teaching	Indoor clinical/ Ambulatory	bedside teaching & care teaching	urs 1ases)	$\{(2^{nd} \text{ phase wks} + 3^{rd} \text{ phase wks}\}$
Subject	Morning	Evening	Morning	Evening	Morning	Evening	Total ho three pl	+ 4 th phase wks = Total three phases wks)
	Indoor/ OPD/ Emergency/ Out reached	Indoor/ Emergency	Indoor/ OPD/ Emergency/ Out reached center	Indoor/ Emergency	Indoor/ OPD/ Emergency/ Out reached center	Indoor/ Emergency	(jr	×(6 days× 4 or 7 hours)}
	center		8 w	reeks	12 v	veeks		
Basic Clinical Skills (in-patient)	-	-	48 h (4w)	48 h (4w)	-	-	96 h	(0+4+0)= 04 w × (6 days × 4 hrs)
Family Planning Clinic	-	-	24 h (2w)	24 h (2w)	-	-	48 h	$(0+2+0)=02 \mathbf{w} \times (6 \text{ days} \times 4 \text{ hrs})$
Gynae & Antenatal Out-patient Clinic	-	-	24 h (2w)	24 h (2w)	-	-	48 h	(0+2+0)= 02 w× (6 days × 4 hrs)
Routine Obstetrics	-	-	-	-	36 h (3w)	36 h (3w)	72 h	(0+0+3)= 03 w × (6 days × 4 hrs)
Routine Gynaecology	-	-	-	-	36 h (3w)	36 h (3w)	72 h	(0+0+3)= 03 w× (6 days × 4 hrs)
Emergency Obstetric Care E.O.C (Labour Room)	-	-	-	-	24 h (2w)	60 h (2w)	84 h	(0+0+2)= 02 w × (6 days × 7 hrs)
Block posting	-	-	-	-	48 h (4w)	48 h (4w)	96 h	(0+0+4)= 04 w × (6days × 4hrs)
Total	-	-	96 hrs	96 hrs	144 hrs	180 hrs	516 hrs	24 weeks

8. Teaching & learning methods

The following teaching and learning methods will be followed:

Large Group Teaching:

- Lecture
- Seminar

Integrated teaching : 102 topics

- Phase I : 12 topics
- Phase II: 7 topics
- Phase III: 10 topics
- Phase IV: Common 42 topics + Departmental 31 topics = 73 topics

(Departmental topics Medicine 10 topics + Surgery 11 topics + Gynae & Obs 10 topics)

Small Group Teaching:

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

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, ED, ambulatory care teaching, OT, POW, ICU, etc.
- By concerned persons

NB: Ambulatory care teaching, there should be a ratio of 1:4 (25% ambulatory care teaching and 75% indoor teaching).

Encourage to learn ICT through computer lab of the college.

9. Assessment:

- A. There will be in-course/formative (item/card/term) and end-course/summative (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, weightage from integrated teaching & class attendance.
- C. For formative assessment, 10% marks of written examination of each paper of each subject is allocated
- D. In written examination for MCQ of each paper, 20% marks are allocated. Out of that Single based answer (SBA) type of MCQ will be 50% and Multiple true false (MTF) type of MCQ 50% in formative and summative assessment of all subjects of MBBS course. There will be separate answer script for MCQ part of examination. Total number of MCQ will be 20 for 20 marks out of which 10marks for SBA and 10marks for MTF.

- E. Short Answer Question (SAQ) and Structured Essay Question (SEQ) will be in written examination of each paper, 70% marks are allocated. Out of 70 marks Structured essay question (SEQ) will be around 25% along with short answer question (SAQ) around 75% in formative and summative assessment of all subjects of MBBS course
- F. Oral part of the examination will be Structured Oral examination (SOE)
- 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. Results will be published as per following GPA system with the provision of reflection of marks in the academic transcript

Numerical Grade	Letter Grade	Grade Point
80% and above	A^+	4.00
75% to less than 80%	А	3.75
70% to less than 75%	A	3.50
65% to less than 70%	B ⁺	3.25
60% to less than 65%	В	3.00
Less than 60%	F	0.00

J. 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 formative 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

K. Pass Marks:

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

L. Examinations & distribution of marks:

Subjects	Written Exam marks	Structured Oral Exam marks	Practical Exam marks	Formative Exam marks	Total Marks
Anatomy	180	150	150	20	500
Physiology	180	100	100	20	400
Biochemistry	180	100	100	20	400
Total					1300

First Professional Examination

Second Professional Examination

Subjects	Written Exam marks	Structu red Oral Exam marks	Practical Exam marks	Formative Exam marks	Total Marks
Pharmacology & Therapeutics	90	100	100	10	300
Forensic Medicine & Toxicology	90	100	100	10	300
	Total				600

Third Professional Examination

Subjects	Written Exam marks	Structu red Oral Exam marks	Practical Exam marks	Formative Exam marks	Total Marks
Community Medicine & Public	90	100	100	10	300
Health					
Pathology	90	100	100	10	300
Microbiology	90	100	100	10	300
Total					900

Fourth Professional Examination

Subjects	Written Exam marks	Struc tured Oral Exam mark s	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

M. Common Rules for Examinations

- a) University professional MBBS examination will be started from May and November.
- b) University professional MBBS examinations will be completed within the specified time of the concerned phase
- *c)* No carry on system before passing 1st professional examination. Students who will appear first professional examination can attend the clinical class before publishing results of first professional examination. If any student fail any subject of first phase in the first professional examination he/she will not be able to continue clinical and other classes of second phase before passing first professional examination.
- *d)* After passing all the subjects of first professional MBBS examination, students can appear in Second professional MBBS examination if all other prerequisites for appearing in second professional examination are fulfilled as per curriculum.
- e) To appear in third professional MBBS examination students will have to pass all the subjects of the second professional MBBS examination and all other prerequisites for appearing in Third Professional MBBS examination must be fulfilled as per curriculum.
- f) To appear in 4th (final) professional MBBS examination students have to pass all the subjects of previous 3rd professional MBBS examination if all other prerequisites are fulfilled. In the mean time students can attend clinical ward placement, teaching learning.

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

- i. Incase of OSPE/OSCE- Instruments/equipment's to be taken to oral boards to ask open questions to the students apart form 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. Incase 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 :

- I. After passing final professional MBBS examination students have to enroll for one year log book based mandatory rotatory internship programme. Internship programme will be more structured and supervised. It is compulsory to complete MBBS course & one year supervised internship programme to get permanent registration for doing independent practice.
- II. MBBS graduates must join internship within one month after passing the final professional MBBS examination. Exception can be considered based on the only valid personal medical ground upon approval of the Director of the Medical College Hospital;
- III. Within one year (12 months) of internship period 11 months at respective medical college hospital and one month at Upazila Health Complex (UHC)/field level.
- IV. Timeline of completion of internship will be two years once after joining internship. i.e. it must be completed within two years from the starting date. Exception can be considered based on the only valid personal medical ground upon approval of the Principal of respective Medical College and Director of Medical College Hospital;

Generic Topics on Medical Humanities to be Taught in MBBS Course

The following sixteen generic topics on medical humanities will be taught within 1st, 2nd, 3rd & 4th Phase of MBBS course & Internship period under supervision of the concerned Phase coordination committee in collaboration with medical education unit (MEU). The sessions will be under the guidance of Principal & Vice-principal, coordinated by concerned departments and sessions will be delivered by concerned experts of the topics. Each session will be one and half hour. Attending these session will be mandatory and will be reflected in the formative & summative assessment.

Topics to be taught in Phase-I

- 1. Behavioral science
- 2. Medical Sociology
- 3. Etiquette in using of Social Medias
- 4. Self- directed learning including team learning
- 5. Medical ethics

Topics to be taught in Phase-II

- 1. Communication skill
- 2. Doctor–patient relationship (DPR)
- 3. Physicians' bedside manner, etiquette and rapport building with patients

Topics to be taught in Phase-III

- 1. Integrity and accountability of medical professionals
- 2. Aspects of good doctors

Topics to be taught in Phase-IV

- 1. Medical professionalism
- 2. Inter-professionalism
- 3. Patient Safety

Issues for Internship Period

- 1. White coat ceremony
- 2. Career planning
- 3. Continuing Medical Education (CME) & Continuing Professional Development (CPD)
- 4. Causes of death
- 5. Basic Infection Control Practice (ICP)

Integrated Teaching in Phase I

Teachers of all departments of Phase -1 (Anatomy, Physiology & Biochemistry) must be present during these integrated sessions along with the concerned faculties those are mentioned in the column four in the table below. Teachers will be the speakers/facilitators in each session. The students must actively participate in these sessions and have to submit the summary of each session to the concerned teacher/department as their assignments. This assignment will be a part of practical note book in the summative assessment. Students need to get some 'take home message' from every session. Schedule for integrated teaching session will be set at the phase I committee meeting in collaboration with medical education unit (MEU).

Total 36 hour. Each session will be for 3 hour

A) Term-I:

- 1. Coronary artery disease
- 2. Chronic obstructive pulmonary disease (COPD)
- 3. Anaemia

B) Term-II:

- 4. Diarrhea
- 5. Diabetes Mellitus (DM)
- 6. Jaundice
- 7. Electrolyte imbalance
- 8. Proteinuria

C) Term-III:

- 9. Thyroid disorder
- 10. Cerebro-vuscular disease (CVD)
- 11. Deafness
- 12. Errors of refraction

Integrated Teaching in Phase II

All the departments of Phase II (Pharmacology, Forensic Medicine & Toxicology) must be present and take part in the integrated teaching while the faculty representatives from concerned clinical & others departments will also participate actively. Teachers will be the speakers in each session. Participation of the students of phase II should be ensured. Concern audiovisual aid, equipment and patient will be used. Students need to get some 'take home message' from every session. To ensure presence of the students 10 (Ten) marks will be allocated from practical part of the professional examination as a part of integrated teaching and submission of write up on what was learned by the student as summary. Schedule for integrated teaching session will be set at the phase II committee meeting in collaboration with medical education unit (MEU).

Total -17 hour. Each session will be for at least 2 hour

- 1. Electrocution and lightening
- 2. Burn
- 3. Drowning
- 4. Death
- 5. Poisoning
- 6. Substance abuse
- 7. Pulmonary Tuberculosis
- 8. Malaria

Integrated Teaching in Phase III

All the departments of Phase III (Community Medicine & Public Health, Pathology, Microbiology) must be present and take part in the integrated teaching while the faculty representatives from concerned clinical & others departments will also participate actively. Teachers will be the speakers in each session. Participation of the students of phase III should be ensured. Students need to get some 'take home message' from every session. To ensure presence of the students Schedule for integrated

teaching session will be set at the phase III committee meeting in collaboration with medical education unit (MEU).

Total -18 hour. Each session will be for at least 2 hour

Topics:

- 1. Occupational and Environmental hazard
- 2. Snake bite
- 3. Transportation injuries
- 4. Disaster management
- 5. Shock
- 6. Glomerulonephritis
- 7. Rheumatoid Arthritis/ Osteomyelitis
- 8. Different Viral Fevers (Covid-19, Dengue, Chikungunya)
- 9. Carcinoma Cervix

Integrated Teaching In Phase IV

All the departments of phase iv (Medicine & Allied Topics, Surgery & Allied Topics and Gynecology & Obstetrics) must be present and take part in the integrated teaching while the faculty representatives from concerned clinical and other departments will also participate actively. Teachers will be the speakers in each session. Participation of the students of phase IV should be ensured. Students need to get some take home message from every session. To ensure presence of the students 10 (ten) marks will be allocated from practical part of the professional examination as a part of integrated teaching and submission of write up on what was learned by the student as summary. Schedule of integrated teaching session will be set at the phase IV committee meeting in collaboration with medical education unit (MEU).

Each session will be for at least 3 hours

Topics:

- 1. Hypertension
- 2. Tuberculosis
- 3. Thyroid Disorder
- 4. Acute Kidney Injury(AKI)
- 5. Fever
- 6. Oedema
- 7. Chest pain
- 8. Acute respiratory distress
- 9. DM
- 10. Jaundice
- 11. Diarrhea and vomiting
- 12. Nutrition
- 13. Pediatric Emergency
- 14. Headache
- 15. Anxiety
- 16. Depression
- 17. Psychosis
- 18. Drug reaction
- 19. Generalised pruritus
- 20. Purpura
- 21. STI

- 22. Low Back Pain
- 23. Joint Pain
- 24. Osteoporosis
- 25. Acute abdomen
- 26. Thrombophlebitis/Phlebothrombosis
- 27. Sepsis
- 28. Infection Prevention & Control
- 29. Shock
- 30. Fluid and Electrolytes-
- 31. Burn
- 32. Per rectal bleeding-
- 33. Vertigo
- 34. Congenital anomalies
- 35. Wound infection
- 36. Urinary Tract Infection (UTI)
- 37. AUB
- 38. Convulsion
- 39. Abdominal Lump
- 40. Anaemia
- 41. Unconsciousness
- 42. Delirium & Dementia

Medicine & Allied Subjects Departmental Integrated Teaching-Phase-IV

Medicine and Allied subjects of phase IV will organized the departmental integrated teaching on the following topics where faculty members of internal medicine and concerned allied subjects must be present and take part in the integrated teaching. While the faculty representatives from concerned clinical and other departments will also participate actively. Teachers will be the speakers in each session. Participation of the students of phase IV should be ensured. Students need to get some take home message from every session. To ensure presence of the students few marks will be allocated from practical part of the professional examination as a part of integrated teaching and submission of write up on what was learned by the student as summary. Schedule of the departmental integrated teaching session will be set by the department in coordination with the phase IV committee.

Each session will be for at least 2 hours

Topics:

- 1. Heart Failure
- 2. Congenital Heart Disease
- 3. Bronchial Asthma
- 4. Liver Abscess
- 5. Malabsorption syndrome
- 6. Irritable bowel syndrome(IBS)
- 7. Psoriasis
- 8. Leprosy
- 9. Autism spectrum disorder (ASD)
- 10. Somatoform disorder

Surgery & Allied Subjects: Departmental Integrated Teaching-Phase-IV

Surgery and Allied subjects of phase IV will organized the departmental integrated teaching on the following topics where faculty members of General Surgery and concerned allied subjects must be present and take part in the integrated teaching. While the faculty representatives from concerned clinical and other departments will also participate actively. Teachers will be the speakers in each session. Participation of the students of phase IV should be ensured. Students need to get some take home message from every session. To ensure presence of the students few marks will be allocated from practical part of the professional examination as a part of integrated teaching and submission of write up on what was learned by the student as summary. Schedule of the departmental integrated teaching session will be set by the department in coordination with the phase IV committee.

Each session will be for at least 2 hours

Topics :

- 1. Malignant Bone Tumour
- 2. Inflammatory Bowel Disease
- 3. Gastric Outlet Obstruction
- 4. Sub acute Intestinal obstruction
- 5. Neck Swelling
- 6. Epistaxis
- 7. Stridor in Children
- 8. Bladder Outflow Obstruction
- 9. Metabolic Bone Disease
- 10. Spinal Injury.
- 11. Proptosis

Obstetric & Gynecology : Departmental Integrated Teaching-Phase-IV

Obstetric & Gynecology of phase IV will organized the departmental integrated teaching on the following topics where faculty members of Obstetric & Gynecology and concerned other subjects must be present and take part in the integrated teaching. Teachers will be the speakers in each session. Participation of the students of phase IV should be ensured. Students need to get some take home message from every session. To ensure presence of the students few marks will be allocated from practical part of the professional examination as a part of integrated teaching and submission of write up on what was learned by the student as summary. Schedule of the departmental integrated teaching session will be set by the department in coordination with the phase IV committee.

Each session will be for at least 2 hours

Topics :

- 1. Pelvic Inflammatory Disease (PID)
- 2. Vaginal Discharge
- 3. Ovarian Tumour
- 4. Contraceptives
- 5. Pelvic tuberculosis
- 6. Normal labour
- 7. Antenatal care
- 8. Vital statistics (maternal & perinatal mortality)
- 9. Puerperium
- 10. Puberty