



MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

Grade 'A' Accredited by NAAC

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COMPETENCY BASED MEDICAL EDUCATION (CBME)

(for 2023-2024 batch)

Curriculum for Third M.B.B.S – Part II General Surgery

Approved as per AC-49/2024, Dated 25/04/2024

Amended History

1. Approved as per AC-41/2021, Resolution No. 5.5, Dated 27/08/2021.
2. Approved as per AC-49/2024, [Resolution No. 4.32], Dated 25/04/2024.

CURRICULUM PHASE 3 MBBS**UG Curriculum for Large Group teaching. Dept. of Surgery (25 hours)**

Topic Code	Topic	No of Hrs	Integration	Method of Teaching
	Metabolic response to injury			
SU1.2	Describe the factors that affect the metabolic response to injury	1	biochemistry	LGT
	shock			
SU2.2	Describe the clinical features of shock and its appropriate management	2		LGT
	burns			
SU4.2	Describe clinical features, diagnose type and extend of burns and plan appropriate management	2		LGT
	Anaesthesia and pain management			
SU11.2	Enumerate the principles of general, regional, and local Anaesthesia.	2	Anaesthesia	LGT
SU11.4	Enumerate the indications and principles of day care General Surgery	1		LGT
	Nutrition and fluid therapy			
SU12.1	Enumerate the causes and consequences of malnutrition in the surgical patient	1	Physiology	LGT
SU 12.2	Describe and discuss the methods of estimation and replacement of fluid and electrolyte requirements in the surgical patient	1	Physiology	LGT
	Transplantation			
SU 13.1	Describe the immunological basis of organ transplantation.	1	Microbiology	LGT
	Minimally Invasive General Surgery			
SU 16.1	Minimally invasive General surgery: Describe indications, advantages and disadvantages of minimally invasive General surgery	1		LGT
	Trauma			
SU 17.4,	Describe the pathophysiology and mechanism of head injuries	1		LGT
SU 17.5,	Describe clinical features for neurological assessment and GCS in head injuries	1		LGT
SU17.6	Chose appropriate investigations and discuss the principles of management of head injuries	2		LGT
SU17.7	Describe the clinical features of soft tissue injuries. Choose appropriate investigations and discuss the principles of management.	2		LGT

SU17.8	Describe the pathophysiology of chest injuries.	1		LGT
SU 17.9	Describe the clinical features and principles of management of chest injuries.	1		LGT
	Skin and subcutaneous tissue			
SU 18.2	Classify skin tumors. Differentiate different skin tumors and discuss their management.	1		LGT
	Developmental anomalies of Face, Mouth Jaws			
SU 19.1, SU 19.2	Describe the etiology and classification of cleft lip and palate Describe the Principles of reconstruction of cleft lip and palate	2	Anatomy	LGT
	Oropharyngeal Cancer			
SU 20.1	Describe etiopathogenesis of oral cancer symptoms and signs of oropharyngeal cancer	1	ENT	LGT
SU20.2	Enumerate the appropriate investigations and discuss the Principles of treatment.	1		LGT

**UG Curriculum for Small Group Teaching (35 hours)
Department of Surgery**

Topic Code	Topic	No of Hrs	Integration	Method of Teaching
	Metabolic Response to Injury			
SU 1.3	Describe basic concepts of peri-operative care	1		SGD
	Shock			
SU2.3	Communicate and counsel patients and families about the treatment and prognosis of shock demonstrating empathy and care	1	AETCOM	DOAP
	Blood and blood components			
SU3.3	Counsel patients and family /friends for blood transfusion and blood donation.	1		DOAP
	Burns			
SU.4.4	Communicate and counsel patients and families on the outcome and rehabilitation demonstrating empathy and care.	2		SGD
	Wound Healing and Wound Care			
SU.5.2	Elicit, document and present a history in a patient presenting with wounds.	1		SGD
SU.5.3	Differentiate the various types of wounds, plan and observe management of wounds.	1		SGD
SU5.4	Discuss medico legal aspects of wounds	1		
	Surgical infections			
SU6.2	Enumerate Prophylactic and therapeutic antibiotics. Plan appropriate management.	1		

	Investigations of Surgical Patient			
SU 9.1	Choose appropriate biochemical, microbiological, pathological, imaging investigations and interpret the investigative data in a surgical patient	2	Biochemistry Microbiology Pathology	SGD
SU9.3	Communicate the results of surgical investigations and counsel the patient appropriately	1		DOAP
	Pre, Intra and post- operative management			
SU 10.1	Describe the principles of preoperative management of common surgical procedures.	2		SGD
	Anaesthesia and pain management			
SU 11.1	Describe principles of Preoperative assessment.	2	Anaesthesia	SGD
SU 11.5	Describe principles of providing post –operative pain relief and management of chronic pain	2	Anaesthesia	SGD
SU 11.6	Describe principles of safe General Surgery	1		SGD
	Transplantation			
SU 13.3	Discuss the legal and ethical issues concerning organ donation	1	AETCOM	SGD
SU13.4	Counsel patients and relatives on organ donation in a simulated environment	1	AETCOM	DOAP
	Basic Surgical Skills			
SU 14.2	Describe Surgical approaches, incisions and the use of appropriate instruments in General Surgery	2		SGD
SU14.3	Describe the materials and methods used for surgical wound closure and anastomosis (sutures, knots and needles)	2		
	Biohazard Disposal			
SU 15.1	Describe classification of hospital waste and appropriate methods of disposal	2	Microbiology	SGD
	Trauma			
SU 17.1	Describe the Principles of FIRST AID	2		SGD
SU 17.3	Describe the Principles in management of mass casualties	2		SGD
	Disorders of Salivary Glands			
SU. 21.2	Enumerate the appropriate investigations and describe the Principles of treatment of disorders of salivary glands.	2		SGD
	Topic:Endocrine General Surgery :Thyroid and parathyroid			
SU22.1	Describe the applied anatomy and physiology of thyroid	1		SGD
SU22.2	Describe the etiopathogenesis of thyroidal swellings	1		SGD
	SDL TOPICS(5 hours)			
	Ethics			
SU 8.2	Demonstrate Professionalism and empathy to the patient undergoing General Surgery	1	FMT AETCOM	SDL
	Skin and Subcutaneous Tissue			
SU 18.3	Describe and demonstrate the clinical examination of surgical patient including swelling and order relevant investigation for diagnosis. Describe and discuss appropriate treatment plan.	1 1		SDL

	Disorders of Salivary Glands			
SU.21.1	Describe surgical anatomy of the salivary glands, pathology clinical presentation of disorders of salivary glands	1 1		SDL

Internal Examination & Assessment Format as per CBME & GME 2019

Internal Examination Format – General Surgery			
Sr. No	Particular	Theory	Practical
Phase II (3rd& 4th Sem.)			
1	Phase II - Term Ending examination (Paper I)	50	NA
2	Post ending Examination – Surgery	10	50
3	Post ending Examination – Orthopaedics	10	50
4	Post ending Examination – Radiology	10	50
Phase III (Part – I) (Vth Sem)			
1	Phase III - Term Ending examination (Paper I)	50	NA
2	Post ending Examination – Surgery	10	50
3	Post ending Examination – Anaesthesia	10	50
4	Post ending Examination – Orthopaedics	10	50
Phase III (Part-II) (VII Sem)			
11	Phase III - Term examination (Paper I)	100	NA
12	Phase III - Prelim examination (Paper I & II) (25% Marks for Allied)	200	200
13	Post ending Examination – Surgery	10	50
14	Post ending Examination – Orthopaedics	10	50
Total Internal Examination Marks		480	600
Internal Assessment Calculation			
Sr. No	Particular	Theory	Practical
1	All internal examinations including preliminary examination (Theory And Practical)	170	170
2	Logbook Assessment (SDL, AETCOM and Logbook, competencies Etc.)	30 (15+5+5+5)	30 (15+5+5+5)
Total Internal Assessment Marks		200	200
480 Theory Internal Examination marks reduced to 170 marks		600 Practical Internal Examination marks reduced to 170 marks	

Resolution No. 4.32 of Academic Council (AC-49/2024):

Resolved to approve the new pattern of internal assessment for General Surgery (UG) as recommended by NMC. It is further resolved to enlist the help of MEU in training the staff via Zoom in formulating assessments for department specific requirements [ANNEXURE-59A & 59B].

Annex-59A of AC-49/2024

DEPARTMENT OF Medicine, Surgery, OBGY

Year-3, Part II

S.No.	Roll No.	Name of Student	Formative Assessment Theory			Continuous Internal assessment Theory					Total	
			1st PCT Theory	2nd PCT Theory	Prelims Theory (Paper I & II)	Home Assignmen t	Continuous Class Test (LMS)	Seminar	Museum study	Library assignments		Attendance Theory
			100	100	200	15	30	15	15	15	10	500

Self Directed Learning

Professor & Head
Department of
Name of Institute

Annex-59B of AC-49/2024

Faculty - Final MBBS		DEPARTMENT OF Medicine, Surgery, OBGY						Date: dd/mm/yyyy				
Sl. No.	Roll No.	Name of Student	Formative Assessment		Continuous Internal Assessment (Practical)				Attendance (Practical)	Total		
			1st PCT Practical Written Learning Examination	2nd PCT Practical Second Round Learning Examination	Log book (200)	Certifiable skill based competencies (through OSCE, OSCE, Special Service Cases)	MCQs competencies	SVL Lab activity			Research	Journal (Review/ book/Poster/ etc)
			100	100	200	100	40	40	20	40	10	650

Professor & Head
Department of _____
Name of Institute _____

University Question Paper Format for General Surgery

Paper: I**Marks: 100****Time: 03 Hours (30 Min for MCQ)****Section A**

Multiple Choice Questions (01 MCQ = 1 Mark) 20 Marks

Section B

Short Answer Questions (05 out of 06) 25 Marks

Note: 01 Short Note Question from AETCOM

Long Answer Questions (01 Out of 02) 15 Marks

Section C

Short Answer Questions (05 out of 06) 25 Marks

Long Answer Questions (01 Out of 02) 15 Marks

Paper: II**Marks: 100****Time: 03 Hours (30 Min for MCQ)****Section A**

Multiple Choice Questions (01 MCQ = 1 Mark) 20 Marks

Note: 10 marks MCQ will be from Allied Subjects**Section B**

Short Answer Questions (05 out of 06) 25 Marks

Note: 01 Short Note Question from AETCOM

Long Answer Questions (01 Out of 02) 15 Marks

Section C**Note: All questions in Section C will be from Allied Subjects**

Short Answer Questions (05 out of 06) 25 Marks

(All Allied subjects including orthopedics)

Long Answer Questions (01 Out of 02) 15 Marks

(Orthopedics)

Phase II & Phase part I Term Ending Examination Question Paper Format for General

Surgery

Marks: 50

Time: 03 Hours (20 Min for MCQ)

Section A

Multiple Choice Questions (01 MCQ = 1 Mark) 10 Marks

Section B

Short Answer Questions (05 out of 06) 25 Marks

Note: 01 Short Note Question from AETCOM

Long Answer Questions (01 Out of 02) 15 Marks

Phase III part II Term Ending Examination Question Paper Format for General Surgery

Paper: I

Marks: 100

Time: 03 Hours (30 Min for MCQ)

Section A

Multiple Choice Questions (01 MCQ = 1 Mark) 20 Marks

Note: 5 marks MCQ will be from Allied Subjects

Section B

Short Answer Questions (05 out of 06) 25 Marks

Note: 01 Short Note Question from AETCOM

Long Answer Questions (02 Out of 03) 30 Marks

Section C

Note: All questions in Section C will be from Allied Subjects

Short Answer Questions (05 out of 06) 25 Marks

(All Allied subjects including orthopedics)



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