

MODULE

GENERALIZED MODULE

DURATION **10 DAYS (02-01-25 to 13-01-2025)**

CONTACT HOURS Lectures =31.5 hours + Practicals= 30.50 Hours + Hospital stay = 10.5 HOURS

CREDIT HOURS = 2.7

TEACHING METHODOLOGIES Lectures/Practical/clinics

OBJECTIVES

The course is designed primarily for 3rd year MBBS students and will cover the fundamental aspects of General microbiology and the general aspects of pharmacology and Forensic medicine. The basic outlines and the introduction of interrelated clinical aspects of Medicine, Surgery, Orthopedics, Eye, Ear, Nose and Throat will be given. By the end of the module, the students should be able to:

1. Give:

- Introduction to General Microbiology
- Bacterial cell structure
- Bacterial genetics/ Mutations
- Pathogenesis
- Laboratory Diagnosis of bacterial infections

2. Discuss the

- Introduction & Branches of Pharmacology and development of new drugs

3. GENERAL ASPECTS OF FORENSIC TOXICOLOGY

4. History taking of Infectious diseases

5. Introduction to surgical Patients

TIME		COURSE CONTENT	PLACE	LEARNING OUTCOME	Recommended books	DEPARTMENT/ Facilitator	DURATION
Day 1 02-01-2025 (Thursday)							
8.00-8.45am	1	Branches of Pharmacology and development of new drugs			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
8.45-9.30am	2	Introduction to Pathology/ General Microbiology		Prokaryotes vs. eukaryotes Branches of microbiology	Robins/Levinson	Pathology	45 min
9.30-10.15am	3	GENERAL ASPECTS OF FORENSIC TOXICOLOGY: sources ,forms, actions of poisons				Forensic Medicine	45 min
Hospital work 10.30-12.00							
12.10-2.00pm		Practical		Batch C: small group discussion Batch A: Pharmacology Batch B: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
Day 2 03-01-2025 (Friday)							
8.00-8.45am	4	Active principles of Drugs			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
8.45-9.30am	5	History taking of Infectious diseases				Medicine	45 min
9.30-10.15am	6	Bacterial cell structure		Cell wall composition and functions Intracellular structures and organelles Plasmids and spores		pathology	45 min

10.30 —12.00pm		PRACTICAL		Batch A: small group discussion Batch B: Pharmacology Batch C: Medicolegal/autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 3 04-01-2025 (Saturday)							
8.00-8.45am	7	Bacterial growth		Nutritional requirements and types of bacteria on basis of nutritional requirements		Pathology	45 min
8.45-9.30am	8	Introduction to surgical Patients				Surgery	45 min
9.30-10.15am	9	Routes of administration of drugs			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
10.15-11.00am	10.					Pharmacology	45 min
11.00-11.45am	11.					Pathology	45 min
11.45-12.30pm	12.					Eye	45 min
12:45-02:30pm		Practical		Batch B: small group discussion Batch C: Pharmacology Batch A : Medico legal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 4 06-01-2025(Monday)							
8.00-8.45 am	13.	Diagnosis of poisoning(in living & dead)				Forensic Medicine	45 min
8.45-9.30am	14.	Transport of drugs across cell membrane			Basic and clinical pharmacology	Pharmacology	45 min
9.30-10.15am	15.	Pathogenesis				pathology	45 min
Hospital work 10.30-12.00							
12.10—02.00pm		PRACTICAL		Batch C: small group discussion Batch A: Pharmacology Batch B: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	

DAY 5 07-01-2025(Tuesday)							
8.00-8.45am	16.	Pathogenesis				pathology	45 min
8.45-9.30am	17.					Orthopedics	45 min
9.30-10.15am	18	General principles of treatment, medical and legal duties				Forensic Medicine	
Hospital work 10.30-12.00pm							
12.10am – 02:00 pm		PRACTICAL		Batch A: small group discussion Batch B: Pharmacology Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 6 08-01-2025(Wednesday)							
8.00-8.45am	19.	Classification of medically important bacterial & normal flora			Robbins Pathology	Pathology	45 min
8.45-9.30am	20.	Common infections in ear, nose & throat		GRAM POSITIVE BACTERIA; Group A beta hemolytic streptococci Streptococcus pneumonia Staphylococcus aureus Streptococcus viridans		ENT	
9.30-10.15am	21.	Identification & preservation of evidentiary material, dispatch for analysis				Forensic Medicine	
Hospital work 10.30-12.00pm							
12.10pm — 02.00pm		PRACTICAL		Batch B: small group discussion Batch C: Pharmacology Batch A: Medico legal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 7 09-01-2025 (Thursday)							
8.00-8.45am	22.	Laboratory Diagnosis of bacterial infections I		Approach to diagnosis		Pathology	45 min

8.45-9.30am	23	Absorption and factors affecting absorption of drugs bioavailability			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
9.30-10.15am	24	Laboratory Diagnosis of bacterial infections II		Antibiotic sensitivity testing		Pathology	45 min
Hospital work 10.30-12.00pm							
12.10-2.00pm		PRACTICAL		Batch C: small group discussion Batch A: Pharmacology Batch B: Medico legal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 8 10-01-2025 (Friday)							
8.00-8.45am	25.	Sterilization & Disinfection I		Classification of disinfectants Methods of sterilization		Pathology	45min
8.45-9.30am	26.	Biotransformation & factors affecting them			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
9.30-10.15am	27.	Issuance of medico legal certificate in poisoning cases, related laws				Forensic Medicine	45 min
10.30 —12.00pm		PRACTICAL		Batch A: small group discussion Batch B: Pharmacology Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 9 11-01-2025 (Saturday)							
8.00-8.45am	28.	Sterilization & Disinfection II			Robbins Pathology	Pathology	45 min
8.45-9.30am	29.	Excretion & plasma half life			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min

9.30-10.15am	30.	Basic concept of General Virology		Structure and classification pathogenesis		Pathology	45 min
10.15 – 11:00am	31.					Surgery	45 min
11.00- 11.45am	32.					Orthopedic	45 min
11:45-12.30pm	33.					Pathology	45 min
12.45—02.30pm		Practical		Batch B: small group discussion Batch C: Pharmacology Batch A: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 10 13-01-2025 (Monday)							
8.00-8.45am	34.	Excretion & plasma half life			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
8.45-9.30am	35.	Fallacies in the results(Toxicological artifacts)				Forensic Medicine	45 min
9.30-10.15am	36.	Basic concept of General Mycology		Structure and classification pathogenesis		Pathology	45 min
Hospital work 10.30-12.00pm							
12.10—02.00pm		Practical		Batch C: small group discussion Batch A: Pharmacology Batch B: Medicolegal/ autopsy/ analytical/serology/ Forensic radiological lab 12:45pm – 2:30pm	Class divisible in three batches	Respective departments	

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MODULE

INFLAMMATION

DURATION **12 DAYS (01-02-2025 to 15-02-2025)**

CONTACT HOURS Lectures 39 =31.50 hours + Practicals = 30 Hours + Hospital stay = 12 Hours

CREDIT HOURS 2.6

TEACHING METHODOLOGIES Lectures/Practicals/ small group discussion/clinics

OBJECTIVES

The course is designed primarily for 3rd year M.B.B.S students and will cover the fundamental aspects of inflammation, and pharmacology of anti-inflammatory drugs with interrelated clinical aspects of medicine, surgery, orthopaedic surgery, eye, nose and throat. By the end of the module the students should be able to:

1. Describe :

The cells and types of inflammation, cellular and vascular events of inflammation.

Process of phagocytosis.

Outcome of inflammatory process

Acute and chronic inflammatory conditions of nose and throat

Inflammatory conditions of orbit and eyelid

2. Discuss the role of:

Chemical mediators in inflammation and anti-inflammatory drugs.

Autocoids, serotonin and its antagonists.

Medicolegal certification in different injuries

3 .Elaborate

Types of Injuries along with their mechanics

Difference between antemortem/postmortem injuries

Systemic effects of inflammation and choice of analgesics.

DAY 2 03-02-25 (Monday)							
8.00-8.45am	7.	Mechanism of action of NSAIDs, Adverse effects, contraindications and drug interactions of NSAIDs		Student should be able to describe MOA, adverse effects contraindications and drug interactions of NSAIDs with reference to aspirin as prototype	Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 mins
8.45am-9.30am	8.	Mechanism of action of NSAIDs, Adverse effects, contraindications and drug interactions of NSAIDs		Student should be able to describe MOA, adverse effects contraindications and drug interactions of NSAIDs with reference to aspirin as prototype	Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 mins
9.30-10.15am	9.	Cellular events of inflammation : Leucocyte recruitment and activation		Student should be able to describe the cellular events taking place during inflammation such as Margination, rolling and adhesion to endothelium Transmigration across the endothelium Migration towards a chemotactic stimulus	Robbins Pathology	Pathology	45 min
Hospital work				10.30-12.00			
12.10-2.00PM		PRACTICAL		Batch C : Acute Appendicitis Batch A : Small group discussion Batch B: General description of injury regarding age of injury.	Class divisible in three batches	Respective departments	
DAY 3 04-02-25 (Tuesday)							
8.00-8.45am	10.	Regional Injuries		Students should have sound knowledge of regional injuries		Forensic Medicine	45 min
8.45-9.30am	11.					Pharmacology	45 min

9.30-10.15am	12.	Autacoids histamine and antihistamine.		Student should be able to recall various generations of antihistamines and role of antihistamine in allergic conditions. Their adverse effects and drug interactions.	Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
Hospital work 10.30-12.00							
12.10 -2.00pm		PRACTICAL		Batch A: Acute Appendicitis Batch B : Small group discussion Batch C: General description of injury regarding age of injury.	Class divisible in three batches	Respective departments	
DAY 4 06-02-25 (Thursday)							
8.00-8.45am	13	Serotonin agonist and antagonists		Student should be able to explain/understand the use of serotonin agonist and antagonists	Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 Min
8.45-9.30am	14	Cell derived chemical mediators of inflammation cont: Details of cytokines,TNF,Chemokines,Reactive oxygen species and nitrous oxide		Students should have sound knowledge of <ul style="list-style-type: none"> Different components of cytokines and chemokines 		Pathology	45 min
9.30-10.15 am	15	Clinical aspects of acute and chronic inflammation. An introduction to vasculitis.				Medicine	45 mins
Hospital Work 10.30-12.00							
12.10-02:00pm		PRACTICAL		BATCH C: Chronic cholecystitis Batch A: Small group Discussion Batch B: Certification of injury MLC's	Class divisible in three batches	Respective departments	

DAY 5 07-02-25 (Friday)							
8.00-8.45am	16.					Forensic Medicine	45 mins
8.45am-9.30am	17	Regional Injuries/Manner of Injuries		Student should be able to enumerate Regional Injuries/Manner Of Injuries		Forensic medicine	45 min
9.30-10.15am	18	Overview of Acute inflammatory conditions of nose and throat.		Students should be able to describe: Acute tonsillitis Acute pharyngitis Acute laryngitis Acute sinusitis		ENT	45 mins
10.30 - 12.00pm		PRACTICAL		Batch A: Chronic cholecystitis Batch B: small group discussion Batch C: Certification of injury MLC's	Class divisible in three batches	Respective departments	
DAY 6 08-02-25(Saturday)							
8.00-8.45am	19	Cellulitis, Boils, Folliculitis, Impetigo & erythema		Students should have sound understanding of acute inflammatory condition		Surgery	45 min
8.45-9.30am	20.	Prostaglandins pharmacological effects, Clinical uses of prostaglandins		The use of prostaglandins in various clinical conditions	Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
9.30-10.15am	21.	Cell derived Chemical Mediators of Inflammation : details of Vasoactive amines Arachidonic acid metabolites ,Platelet activation factors.		Student should have a sound knowledge of <ul style="list-style-type: none"> • Prostaglandins and leucotrienes • Differences between different mediators involved in cyclooxygenase and lipooxygenase pathways. 	Robbins pathology	Pathology	45 mins

10.15-11:00am	22.					Surgery	
11:00-11:45am	23.					Pathology	
11:45-12:30pm	24.					Forensic Medicine	
12.45-02.30		PRACTICAL		Batch B: ESR determination and its importance Batch C: Therapeutic modalities and choice of analgesics Batch A: Trauma cases which are kept under observation	Class divisible in three batches	Respective departments	
DAY 7 10-02-25 (Monday)							
8.00-8.45am	25.	Bacterimia, Pyaemia, Sepsis, Abscess, Septic Shock		Students should be able to describe various inflammatory processes.		Surgery	45 mins
8.45-9.30am	26.	Disease modifying anti-rheumatic drugs (DMARDs)		Student should be able to enumerate DMARDs and explain their MOA, adverse effects and contraindications	Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 mins
9.30-10.15am	27.	Plasma protein derived Chemical Mediators of inflammation (details of complement system, kinin system, clotting system)		. The student should be able to i) Enumerate vasoactive amines ii) Describe the 3 systems of plasma proteins integrating during course of inflammation	Robbins Pathology	Pathology	45 min
Hospital work 10.30-12.00							
12.10-02.00		PRACTICAL		Batch C : ESR determination and its importance Batch A : Therapeutic modalities and choice of analgesics Batch B: Trauma cases which are kept under observation	Class divisible in three batches	Respective departments	

DAY 8		11-02-25 (Tuesday)					
8.00-8.45am	27.	Phagocytosis.		<p>Student should develop the understanding of leucocyte activation and being able to describe:</p> <ul style="list-style-type: none"> • Recognition and attachment of leucocytes • Engulfment • Killing and degradation • Release of leucocyte products and tissue injury caused by it <p>Briefly the defects in leucocyte dysfunction and its effects on inflammation</p>		Pathology	45 MIN
8.45- 9.30 am	28.	Glucocorticoids P/K:Therapeutic indications, Adverse effects, contraindications and drug interactions		Student should be able to explain p/k of various glucocorticoids, their clinical uses ,adverse effects, contraindications and drug interactions	Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 mins
9.30-10.15 am	29.	Investigation and management of inflammatory case.				Medicine	45 Mins
		Hospital work		10.30-12.00			
12.10-2.00		Practical		<p>Batch A: ESR determination and its importance</p> <p>Batch B: Therapeutic modalities and choice of analgesics</p> <p>Batch C :Trauma cases which are kept under observation</p>	Class divisible in three batches	Respective departments	

DAY 9								12-02-25 (Wednesday)							
8.00-8.45am	30.	Drugs/Age Of Injury		Students should have understanding of various drugs and be able to define age of injury		Forensic Medicine and Toxicology	45 MIN								
8.45-9.30 am	31.	Phagocytosis by macrophages		Students should have sound knowledge of various receptors present on macrophages, their function and steps of phagocytosis in macrophages.		Pathology	45 mins								
9.30- 10.15 am	32.	Antagonists of adrenocortical agents		They should have a sound knowledge of adverse effects and contraindications to the use of adrenocortical agents.	Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 mins								
Hospital work								10.30-12.00							
12.10-2.00		Practical		Batch B: ESR determination and its importance Batch C : Therapeutic modalities and choice of analgesics Batch A : Trauma cases which are kept under observation	Class divisible in three batches	Respective departments									
DAY 10								13-02-25 (Thursday)							
8.00-8.45am	33	Lymphangitis, Fascitis, Folliculitis		Students should be able to describe the the various acute inflammatory coditions		Surgery	45 mins								
8.45-9.30 am	34.	Inflammatory conditions of eye : Stye,Chlazion,Blephritis, Preseptal Cellulitis and Herpes zoster Infection		Students should be able to identify the various inflammatory conditions of eye.		Eye	45 mins								
9.30-10.15 am	35	Anti TB drugs		Students should have knowledge of various Anti tuberculous drugs and their adverse effects.	Basic and clinical pharmacology 12 th edition katzung	Pharmacology									

Hospital work				10.30-12.00			
12.10-02.00		Practical		Batch C: Tuberculosis of lung/ Granuloma Batch A: small group discussion Batch B: (Final Opinion) Interpretation of results	Class divisible in three batches	Respective departments	
DAY 11 14-02-25 (Friday)							
8.00-8.45am	36	Overview of chronic inflammatory conditions of nose and throat.		Students should be able to describe: Chronic tonsillitis Quinsy(Peritonsillar Abscess) Chronic pharyngitis Chronic laryngitis Chronic sinusitis Rhinitis		ENT	45 mins
8.45-9.30am	37	Inflammatory conditions of bones and joints		Students should develop understanding of mechanism and complications of wound contamination		Orthopaedics	45 mins
9.30-10.15 am	38	Orbital Cellulitis, Pseudo tumors of orbit , Dacrocystitis		Students should be able to describe Orbital Cellulitis, Pseudo tumors of orbit , Dacrocystitis		Eye	45 mins
10.30- 12.00 pm		Practical		Batch A: Tuberculosis of lung/ Granuloma Batch B : small group discussion Batch C : (Final Opinion) Interpretation of results	Class divisible in three batches	Respective departments	
Day 12 15-02-25 (Saturday)							
8.00-8.45am	39	Paronychia , Subungal abscess,Hideradenitis		Students should be able to describe the acute inflammatory conditions and should have sound knowledge of septic shock		Dermatology	45 MIN

8.45-9.30am	40	Mineralocorticoid and mineralocorticoid antagonist .		Student should be able to understand uses of various mineralocorticoid agonist and antagonist.	Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 mins
9.30-10.15am	41	Chronic Inflammation:Granulomatous Inflammation with special emphasis on Tuberculosis		Student should be able to describe <ul style="list-style-type: none"> • Cells of Chronic inflammation • Formation of granuloma • Tuberculous granuloma 		Pathology	45 MIN
10.15-11:00am	42					Surgery	45 MIN
11.00-11.45am	43					Pathology	45 MIN
11.45-12.30pm	44					Forensic Medicine	45 MIN
12.45-02:30pm		Practical		Batch B : Tuberculosis of lung/ Granuloma Batch C: small group discussion Batch A: (Final Opinion)Interpretation of results	Class divisible in three batches	Respective departments	

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TIME TABLE OF 3rd YEAR MBBS (Generalized Module& 1stIntermodule) (2024-2025)

GENERALIZED MODULE 02-01-2025 TO 13-01-2025								
Date	Day	8.00-8.45am	8.45-9.30am	9.30-10.15am	Hospital work 10.30-12.00pm			Practical 12.10-02.00 pm
02-01-25	Thursday	Pharmacology	Pathology	Forensic Medicine	Hospital work 10:30 am to 12:00 pm			C: Pathology A:Pharmacology B: Forensic medicine
03-01-25	Friday	Pharmacology	Medicine	Pathology	Practical Respective Departments (10:30am to 12:00pm)			A: Pathology B:Pharmacology C: Forensic medicine
04-01-25	Saturday	Pathology	Surgery	Pharmacology	Pharmacology (10.15-11.00 am)	Pathology (11.00-11.45am)	EYE (11.45-12.30 pm)	B: Pathology C:Pharmacology A: Forensic medicine (12:45 am to 02:30 pm)
06-01-25	Monday	Forensic Medicine	Pharmacology	Pathology	Hospital work 10:30 am to 12:00 pm			C: Pathology A:Pharmacology B: Forensic medicine (12:45 pm to 2:30pm)
07-01-25	Tuesday	Pathology	Orthopedics	Forensic Medicine	Hospital work 10:30 am to 12:00 pm			A: Pathology B:Pharmacology C: Forensic medicine
08-01-25	Wednesday	Pathology	ENT	Forensic Medicine	Hospital work 10:30 am to 12:00 pm			B: Pathology C:Pharmacology A: Forensic medicine
09-01-25	Thursday	Pathology	Pharmacology	Pathology	Hospital work 10:30 am to 12:00 pm			C: Pathology A:Pharmacology B: Forensic medicine
10-01-25	Friday	Pathology	Pharmacology	Forensic Medicine	Practical Respective Departments (10:30am to 12:00pm)			A: Pathology B:Pharmacology C: Forensic medicine
11-01-25	Saturday	Pathology	Pharmacology	Forensic Medicine	Surgery (10.15-11.00)	Orthopedics (11.00-11.45)	Pathology (11.45-12.30)	B: Pathology C:Pharmacology A: Forensic medicine (12:45 am to 02:30 pm)
13-01-25	Monday	Pharmacology	Forensic Medicine	Pathology	Hospital work 10:30 am to 12:00 pm			C: Pathology A:Pharmacology B: Forensic medicine

1ST INTERMODULE (14-01-2025 TO 30-01-2025)

14-01-25	Tuesday	Pathology	Medicine	Surgery	Hospital work 10:30 am to 12:00 pm			A: Pathology B:Pharmacology C: Forensic medicine
15-01-25	Wednesday	Pharmacology	Pathology	Forensic Medicine	Hospital work 10:30 am to 12:00 pm			B: Pathology C:Pharmacology A: Forensic medicine
16-01-25	Thursday	Pharmacology	ENT	Pathology	Hospital work 10:30 am to 12:00 pm			C: Pathology A:Pharmacology B: Forensic medicine
17-01-25	Friday	Forensic Medicine	Pharmacology	Pathology	Practical Respective Departments (10:30am to 12:00pm)			A: Pathology B:Pharmacology C: Forensic medicine
18-01-25	Saturday	Surgery	ENT	Medicine	Forensic Medicine 10:15-11:00	Pathology 11:00- 11:45	Pharmacology 11:45-12:30	B: Pathology C:Pharmacology A: Forensic medicine (12:45 pm to 02:30pm)
20-01-25	Monday	Medicine	Orthopaedics	Pathology	Hospital work 10:30 am to 12:00 pm			C: Pathology A:Pharmacology B: Forensic medicine
21-01-25	Tuesday	Pathology	Pharmacology	Pathology	Hospital work 10:30 am to 12:00 pm			A: Pathology B:Pharmacology C: Forensic medicine
22-01-25	Wednesday	Pharmacology	Forensic Medicine	Pathology	Hospital work 10:30 am to 12:00 pm			B: Pathology C:Pharmacology A: Forensic medicine
23-01-25	Thursday	Forensic Medicine	Pharmacology	Pathology	Hospital work 10:30 am to 12:00 pm			C: Pathology A:Pharmacology B: Forensic Medicine
24-01-25	Friday	Forensic Medicine	Pharmacology	Pathology	Practical Respective Departments (10:30am to 12:00pm)			A: Pathology B:Pharmacology C: Forensic medicine (10:30 am to 12:00 pm)
25-01-25	Saturday	Surgery	Pathology	Pharmacology	Pharmacol ogy 10:15- 11:00	Forensic Medicine 11:00-11:45	EYE 11:45-12:30	B: Pathology C:Pharmacology A: Forensic medicine (12:45 pm to 02:30pm)
27-01-25	Monday	Forensic Medicine	Pathology	Surgery	Hospital work 10:30 am to 12:00 pm			C: Pathology A:Pharmacology

						B: Forensic medicine
28-01-25	Tuesday	Forensic Medicine	Pharmacology	Pathology	Hospital work 10:30 am to 12:00 pm	A: Pathology B:Pharmacology C: Forensic medicine
29-01-25	Wednesday	Pharmacology	Pathology	Forensic Medicine	Hospital work 10:30 am to 12:00 pm	B: Pathology C:Pharmacology A: Forensic medicine
30-01-25	Thursday	Pathology	Pharmacology	Forensic Medicine	Hospital work 10:30 am to 12:00 pm	C: Pathology A:Pharmacology B: Forensic medicine

All lectures will be conducted in Forensic Lecture Theatre.

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**TIME TABLE OF 3rd YEAR MBBS (Inflammation & 2nd Intermodule)
1st February, 2025 to 05th March, 2025**

INFLAMMATION MODULE (28th February 2024 To 12th March 2024)								
Date	Day	8.00-8.45 am	8.45-9.30am	9.30-10.15am	Hospital work 10.30-12.00pm			Practical 12:10Pm-02:00PM
01-02-25	Sat	Pathology	Medicine	Pharmacology	10:15-11:00 Forensic Medicine	11:00-11:45 Forensic Medicine	11:45-12:30 Pharmacology	B: Pathology C: Pharmacology A: Forensic medicine (12:45pm to 02:30pm)
03-02-25	Mon	Pharmacology	Pharmacology	Pathology	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine
04-02-25	Tue	Forensic Medicine	Pharmacology	Pharmacology	Hospital work 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic medicine
06-02-25	Thu	Pharmacology	Pathology	Medicine	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine
07-02-25	Fri	Forensic Medicine (Test)		ENT	PRACTICAL 10.30-12:00			A: Pathology B: Pharmacology C: Forensic medicine
08-02-25	Sat	Surgery	Pharmacology	Pathology	10:15-11:00 Surgery	11:00-11:45 Pathology	11:45-12:30 Forensic Medicine	B: Pathology C: Pharmacology A: Forensic medicine (12:45pm to 02:30pm)
10-02-25	Mon	Surgery	Pharmacology	Pathology	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine
11-02-25	Tue	Pathology	Pharmacology	Medicine	Hospital work 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic medicine
12-02-25	Wed	Forensic medicine	Pathology	Pharmacology	Hospital work 10.30-12.00pm			B: Pathology C: Pharmacology A: Forensic medicine

13-02-25	Thu	Surgery	Eye	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
14-02-25	Fri	ENT	Orthopaedics	Eye	PRACTICAL 10.30-12:00			A: Pathology B:Pharmacology C: Forensic medicine
15-02-25	Sat	Dermatology	Pharmacology	Pathology	10:15-11:00 Surgery	11:00-11:45 Pathology	11:45-12:30 Forensic Medicine	B: Pathology C:Pharmacology A: Forensic medicine (12:45pm to 02:30pm)
2nd Intermodule (17th February, 2025 to 05th March, 2025)								
17-02-25	Mon	Surgery	Forensic Medicine	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
18-02-25	Tue	Medicine	Pharmacology	Forensic Medicine	Hospital work 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine
19-02-25	Wed	Forensic Medicine	Pharmacology	Orthopaedics	Hospital work 10.30-12.00pm			B: Pathology C:Pharmacology A: Forensic medicine
20-02-25	Thu	Pharmacology	Forensic Medicine	Pathology	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
21-02-25	Fri	Forensic Medicine	Pharmacology	Medicine	PRACTICAL 10.30-12:00			A: Pathology B:Pharmacology C: Forensic medicine
22-02-25	Sat	Forensic Medicine	Medicine	Pharmacology	10:15-11:00 Orthopedics	11:00-11:45 ENT	11:45-12:30 Eye	B: Pathology C:Pharmacology A: Forensic medicine (12:45PM to 02:30pm)
24-02-25	Mon	Forensic Medicine	Pharmacology	Pathology	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
25-02-25	Tue	Forensic Medicine	Surgery	Forensic Medicine	Hospital work 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine

26-02-25	Wed	ENT	Forensic Medicine	Surgery	Hospital work 10.30-12.00pm	B: Pathology C:Pharmacology A: Forensic medicine
27-02-25	Thu	Forensic Medicine	Surgery	Forensic Medicine	Hospital work 10.30-12.00pm	C: Pathology A:Pharmacology B: Forensic medicine
28-02-25	Fri	SELF STUDY		Hospital work 10.30-12.00pm		
01-03-25	Sat	Pathology Assessment (09:00a.m. to 10:00a.m.)		Hospital work 10.30-12.00pm		
03-03-25	Mon	Forensic Medicine Assessment (09:00a.m. to 10:00a.m.)		Hospital work 10.30-12.00pm		
04-03-25	Tue	SELF STUDY		Hospital work 10.30-12.00pm		
05-03-25	Wed	Pharmacology Assessment (09:00a.m. to 10:00a.m.)		Hospital work 10.30-12.00pm		

All lectures will be conducted in Forensic Lecture Theatre

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8.45-9.30	7.	CVS			Basic and clinical pharmacology 12 th edition Katzung	Pharmacology	45 min
9.30-10.15	8.	Alcohols/Forensic medical examination, diagnosis & certification in living & dead				Forensic medicine	45 min
HOSPITAL WORK 10:30 – 12:00							
12.10-02.00		PRACTICAL		Batch A: Group Discussions Batch B: Pharmacology Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 3 19-02-25 (Wednesday)							
8.00-8.45	9.	Hypnotics & sedatives				Forensic medicine	45 min
8.45-9.30	10.	CVS			Basic and clinical pharmacology 12 th edition Katzung	Pharmacology	45 min
9.30-10.15	11.					Orthopaedics	45 min
HOSPITAL WORK 10:30 – 12:00							
12.10 — 02.00pm		PRACTICAL		Batch B: Group Discussions Batch C : Pharmacology Batch A : Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 4 20-02-25 (Thursday)							
8.00-8.45	12.					Pharmacology	45 min
8.45-9.30	13.	Hallucinogens: Cannabis, cocaine				Forensic medicine	45 min
9.30-10.15	14.	Healing by repair & scar formation				Pathology	45 min

HOSPITAL WORK 10:30 – 12:00							
12.10-02.00p.m.		PRACTICAL		BATCH C : Group Discussions Batch A : Pharmacology Batch B : Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 5 21-02-25(Friday)							
8.00-8.45	15	Insecticides ,venomous insects & snakes				Forensic medicine	45 min
8.45-9.30	16	CVS			Basic and clinical pharmacology	Pharmacology	45 min
9.30-10.15	17					Medicine	45 min
10.30-12.00p.m.		PRACTICAL		Batch A: Group Discussions Batch B: Pharmacology Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 6 22-02-2025 (Saturday)							
8.00-8.45	21.	Statue laws related to dangerous drugs				Forensic medicine	45 min
8.45-9.30	22.	-		-		Medicine	45 min
9.30-10.15	23				Basic and clinical pharmacology 12 th edition Katzung	Pharmacology	45 MIN
10.15-11:00am	24					Orthopedics	45 min
11:00-11:45am	25					ENT	45 min
11:45am- 12:30pm	26					Eye	45 min
12.45-2.30		PRACTICAL		Batch B: Group Discussions Batch C: Pharmacology Batch A: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	

DAY 7								24-02-25 (Monday)							
8.00-8.45	27.	Agrarian toxicology; Poisonous plants				-	Forensic medicine	45 min							
8.45-9.30	28.	CVS					Pharmacology	45 min							
9.30-10.15	29.						Pathology	45 min							
Hospital work								10.30-12.00							
12.10—2.00		Practical		Batch C: Group Discussions Batch A: Pharmacology Batch B: Medicolegal/ autopsy/ analytical/serology/ radiological lab		Class divisible in three batches	Respective departments	12.10—2.30							
DAY 8								25-02-25 (Tuesday)							
8.00-8.45	30.	ENVIRONMENTAL TOXICOLOGY; Poisoning by CO,CO2, H2S, methane „Forensic medical examination & certification as cause of death					Forensic medicine	45 min							
8.45-9.30	31.	-	-	-			Surgery	45 min							
9.30-10.15	32.	Pesticides					Forensic medicine	45 min							
Hospital work								10.30-12.00							
12.10—02.00		Practical		Batch A: Group Discussions Batch B: Pharmacology Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab		Class divisible in three batches	Respective departments								
DAY 9								26-02-25 (Wednesday)							
8.00-8.45	33						ENT	45 min							
8.45-9.30	34.	Herbicide					Forensic medicine	45 min							
9.30-10.15	35						Surgery	45 min							

Hospital work 10.30-12.00							
12.10—02.00p.m		Practical		Batch B : Group Discussions Batch C: Pharmacology Batch A : Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
Day 10 27-02-25 (Thursday)							
8.00-8.45 am	36	Medicolegal Importance according to Qisas and Diyat law (Nature of injury)		Students should have thorough understanding of medicolegal importance of Islamic law		Forensic medicine and Toxicology	45mins
8.45-9.30 am	37					Surgery	45 mins
9.30-10.15 am	38	Complications of Injury		-		Forensic Medicine and Toxicology	45 mins
Hospital work 10.30-12.00							
12.10-02.00pm				Batch C: Group discussions Batch A: Pharmacology Batch B: Medicolegal/ autopsy/ analytical/serology/ radiological lab			
28-02-2025 (Friday)		SELF STUDY			HOSPITAL WORK 10.30-12.00p.m.		
01-03-2025 (Saturday)		Pathology Assessment (09:00a.m- 10:00a.m.)			HOSPITAL WORK 10.30-12.00p.m.		
03-03-2025 (Monday)		Forensic Medicine Assessment (09:00a.m- 10:00a.m.)					
04-03-2025 (Tuesday)		SELF STUDY			HOSPITAL WORK 10.30-12.00p.m.		
05-03-2025 (Wednesday)		PHARMACOLOGY ASSESSMENT (09:00a.m- 10:00a.m.)			HOSPITAL WORK 10.30-12.00p.m.		

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**TIME TABLE OF 3rd YEAR MBBS (Special Microbiology Module)
(06-03-2025 to 21-05-2025)**

Date	Day	8.00-8.45 am	8.45-9.30am	9.30-10.15am	Hospital work			Practical (12.10-2.00 pm)
06-03-2025	Thursday	Surgery	Pathology	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine
07-03-2025	Friday	Pathology	Medicine	Forensic Medicine	Practical Respective Departments 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic medicine
08-03-2025	Saturday	Pharmacology	Pathology	Medicine	Orthopedic s 10:15- 11:00am	ENT 11:00- 11:45am	EYE 11:45- 12:30Noon	B: Pathology C: Pharmacology A: Forensic medicine (12.45-2.30pm)
10-03-2025	Monday	Pharmacology	Pathology	Forensic Medicine	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine
11-03-2025	Tuesday	Forensic medicine	Pathology	Surgery	Hospital work 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic medicine
12-03-2025	Wednesday	Pharmacology	Pathology	Forensic Medicine	Hospital work 10.30-12.00pm			B: Pathology C: Pharmacology A: Forensic medicine
13-03-2025	Thursday	Pathology	Surgery	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine
14-03-2025	Friday	Pathology	Medicine	Surgery	Practical Respective Departments 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic medicine
15-03-2025	Saturday	Pathology	Medicine	Pharmacology	Forensic Medicine 10:15- 11:00am	ENT 11:00- 11:45am	EYE 11:45- 12:30N oon	B: Pathology C: Pharmacology A: Forensic medicine (12.45-2.30pm)
17-03-2025	Monday	Pharmacology	Pathology	Medicine	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine

18-03-2025	Tuesday	Surgery	Pharmacology	Pathology	Hospital work 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine
19-03-2025	Wednesday	Pathology	Dermatology	Pharmacology	Hospital work 10.30-12.00pm			B: Pathology C:Pharmacology A: Forensic medicine
20-03-2025	Thursday	Forensic Medicine	Pathology	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
21-03-2025	Friday	Pathology	Urology	Forensic Medicine	Practical Respective Departments 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine
22-03-2025	Saturday	Pathology	Medicine	Pharmacology	Surgery 10:15- 11:00am	Medicine 11:00- 11:45am	EYE 11:45- 12:30Noon	B: Pathology C:Pharmacology A: Forensic medicine (12.45-2.30pm)
24-03-2025	Monday	Pharmacology	Forensic Medicine	Medicine	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
25-03-2025	Tuesday	Forensic Medicine	Pharmacology	Pathology	Hospital work 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine
26-03-2025	Wednesday	Pharmacology	Pharmacology	Orthopedics	Hospital work 10.30-12.00pm			B: Pathology C:Pharmacology A: Forensic medicine
27-03-2025	Thursday	Forensic Medicine	Pharmacology	Pathology	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
28-03-2025	Friday	Forensic Medicine	Medicine	Forensic Medicine	Practical Respective Departments 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine
29-03-2025	Saturday	Pharmacology	Forensic Medicine	Forensic Medicine	Pathology 10:15- 11:00am	Pharmacology 11:00- 11:45am	ENT 11:45- 12:30Noon	B: Pathology C:Pharmacology A: Forensic medicine (12.45-2.30pm)
31-03-2025	Monday	Surgery	Medicine	Pathology	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine

09-04-2025	Wednesday	Pathology	Medicine	Pathology	Hospital work 10.30-12.00pm			B: Pathology C:Pharmacology A: Forensic medicine
10-04-2025	Thursday	Forensic Medicine	Pathology	Surgery	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
11-04-2025	Friday	Physiology	Pharmacology	Pathology	Practical Respective Departments 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine
12-04-2025	Saturday	Orthopedics	Pathology	Pharmacology	Pharmacology 10:15- 11:00am	Forensic Medicine 11:00- 11:45am	Orthopedics 11:45- 12:30Noon	B: Pathology C:Pharmacology A: Forensic medicine (12.45-2.30pm)
14-04-2025	Monday	Pathology	Forensic Medicine	Medicine	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
15-04-2025	Tuesday	Pathology	Forensic Medicine	Pathology	Hospital work 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine
16-04-2025	Wednesday	Pathology	Surgery	Forensic Medicine	Hospital work 10.30-12.00pm			B: Pathology C: Pharmacology A: Forensic Medicine
17-04-2025	Thursday	Forensic Medicine	Medicine	Pathology	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic Medicine
18-04-2025	Friday	Surgery	Pathology	Medicine	Practical Respective Departments 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic Medicine
19-04-2025	Saturday	EYE	Orthopedics	Pathology	Forensic Medicine 10:15- 11:00am	ENT 11:00- 11:45am	Pathology 11:45- 12:30Noon	B: Pathology C: Pharmacology A: Forensic Medicine (12.45-2.30pm)
21-04-2025	Monday	Pathology	Forensic Medicine	Medicine	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic Medicine
22-04-2025	Tuesday	Pathology	Surgery	Forensic Medicine	Hospital work 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic Medicine
23-04-2025	Wednesday	Pathology	Medicine	Pharmacology	Hospital work			B: Pathology

					10.30-12.00pm			C: Pharmacology A: Forensic Medicine
24-04-2025	Thursday	Pathology	Medicine	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic Medicine
25-04-2025	Friday	Surgery	Pathology	Pharmacology	Practical Respective Departments 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic Medicine
26-04-2025	Saturday	Forensic Medicine	ENT	EYE	ENT 10:15- 11:00am	Pharmacol ogy 11:00- 11:45am	Pharmacolo gy 11:45- 12:30Noon	B: Pathology C: Pharmacology A: Forensic Medicine (12.45-2.30pm)
28-04-2025	Monday	Pharmacology	Pathology	Forensic Medicine	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic Medicine
29-04-2025	Tuesday	Pathology	Medicine	Forensic Medicine	Hospital work 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic Medicine
30-04-2025	Wednesday	Surgery	Forensic Medicine	Pathology	Hospital work 10.30-12.00pm			B: Pathology C: Pharmacology A: Forensic Medicine
02-05-2025	Friday	Pharmacology	Surgery	Pathology	Practical Respective Departments 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic Medicine
03-05-2025	Saturday	Forensic Medicine	Pathology	Orthopedics	Pathology 10:15- 11:00am	Surgery 11:00- 11:45am	Pharmacolo gy 11:45- 12:30Noon	B: Pathology C: Pharmacology A: Forensic Medicine (12.45-2.30pm)
05-05-2025	Monday	Forensic Medicine	Forensic Medicine	Pathology	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic Medicine
06-05-2025	Tuesday	Pathology	ENT	EYE	Hospital work 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic Medicine
07-05-2025	Wednesday	Forensic Medicine	Pathology	Orthopedics	Hospital work 10.30-12.00pm			B: Pathology C: Pharmacology A: Forensic Medicine

08-05-2025	Thursday	Pathology	Forensic Medicine	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic Medicine
09-05-2025	Friday	Pathology	DME	Pharmacology	Practical Respective Departments 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic Medicine
10-05-2025	Saturday	EYE	Pathology	Orthopedics	Pharmacology (10:15-11:00am)	Forensic Medicine (11:00-11:45am)	Orthopedics (11:45-12:30PM)	B: Pathology C: Pharmacology A: Forensic Medicine (12:45PM to 02:30PM)
12-05-2025	Monday	ENT	Forensic Medicine	Medicine	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic Medicine
13-05-2025	Tuesday	Forensic Medicine	Pharmacology	Orthopedics	Hospital work 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic Medicine
14-05-2025	Wednesday	Forensic Medicine	Pathology	EYE	Hospital work 10.30-12.00pm			B: Pathology C: Pharmacology A: Forensic Medicine
15-05-2025	Thursday	Surgery	Forensic Medicine	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic Medicine
16-05-2025	Friday	Self-Study			Hospital work 10.30-12.00pm			
17-05-2025	Saturday	Pathology Assessment (Special Bacteriology) (09:00am to 10:00am)			Hospital work 10.30-12.00pm			
19-05-2025	Monday	Forensic Assessment (09:00am to 10:00am)			Hospital work 10.30-12.00pm			
20-05-2025	Tuesday	Self-Study			Hospital work 10.30-12.00pm			
21-05-2025	Wednesday	Pharmacology Assessment (09:00am to 10:00am)			Hospital work 10.30-12.00pm			

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MODULE

SPECIAL MICROBIOLOGY

DURATION **58 DAYS (06th March, 2025 to 21st May, 2025)**

CONTACT HOURS Lectures 168 = 126 hours + Practicals = 48 Hours + Hospital stay = 120 Hours

CREDIT HOURS 11.9

TEACHING METHODOLOGIES Lectures/Practicals/ small group discussion/clinics

OBJECTIVES:

This integrated module of special microbiology is proposed for 3rd year M.B;B.S. It will introduce the class with microorganisms, the various diseases produced by them and their clinical presentations. It is intended to extend knowledge, understanding and practical skills in the field of microbiology.

By the end of the module the students should have acquired a basic theoretical and practical knowledge of:

Antimicrobial agents and their use,

Clinical microbiology

Parasitology and mycology

Medical, surgical and allied (Eye, ENT, Orthopaedic surgery) related infections and their clinical presentation

A core knowledge of forensic medicine and toxicology will also be included in this module.

The course is intended to cover the capabilities of:

Knowledge (Of microbes and antimicrobial agents)

Technical expertise (Handling of samples, examination of urine and stool specimens, interpretation of antibiogram and various biochemical tests, performing autopsies etc)

Critical analysis and problem solving) (small group discussions, tutorials)

Communication (working in clinics, studying clinical cases)

8.45-9.30am	8.	Beta Haemolytic streptococci (Cont) ,Diphtheria Sp. (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
9.30-10.15am	9.	Infective endocarditis				Medicine	45 mins
10.15-11.00am						Orthopedics	
11.00-11.45am						ENT	
11.45-12.30am						EYE	
12.45—2.30pm		PRACTICAL		Batch B: Gram staining Batch C: Small group discussion Batch A: Medico legal autopsies	Class divisible in three batches	Respective departments	
DAY 4 10-03-2025 (Monday)							
8.00-8.45am	10.	Penicillines and cephalosporins (2)				Pharmacology	45 min
8.45-9.30am	11.	Bacillus anthracis, Bordetella sp. (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
9.30-10.15am	12.	Biological weapons (Anthrax, tetanus etc)				Forensic Medicine	45 mins
Hospital work 10.30-12.00							
12.10—2.00 pm		PRACTICAL		Batch C : Oxidase and catalase test Batch A : Small group discussion Batch B : Examination of stomach contents	Class divisible in three batches	Respective departments	

DAY 5 11-03-2025 (Tuesday)							
8.00-8.45am	13.	Preparation of autopsy protocol, types of autopsy				Forensic Medicine	45 min
8.45-9.30am	14.	Actinomyces israelii, Nocardia asteroides (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins
9.30-10.15am	15	Actinomycosis, Anthrax and Gonorrhoea				surgery	45 mins
Hospital work 10.30-12.00							
12.10-02:00 pm		PRACTICAL		Batch A: Oxidase and catalase test. Batch B: Small group discussion Batch C: Examination of stomach contents	Class divisible in three batches	Respective departments	
DAY 6 12-03-2025 (Wednesday)							
8.00-8.45am	16.	Penicillines and cephalosporins (3)				Pharmacology	45 min
8.45-9.30 am	17.	Clostridium difficile, Clostridium botulinum (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins
9.30-10.15am	18.	Food poisoning including botulism				Forensic Medicine	45 mins
Hospital work 10.30-12.00							
12.10—2.00 pm		PRACTICAL		Batch B: Oxidase and catalase test. Batch C: Small group discussion Batch A: Examination of stomach contents	Class divisible in three batches	Respective departments	

Day 7 13-03-2025 (Thursday)							
8.00-8.45am	22.	Clostridium perfringens (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins
8.45-9.30am	23.	Gas gangrene and synergistic gangrene				Surgery	45 mins
9.30-10.15am	24.	Sulphonamides and trimethoprim				Pharmacology	45 mins
Hospital work 10.30-12.00							
12.10 — 02.00pm		PRACTICAL		Batch C : Various culture media Batch A : Small group discussion Batch B: Preparation of autopsy report (certification)	Class divisible in three batches	Respective departments	
DAY 8 14-03-2025 (Friday)							
8.00-8.45 am	25.	Clostridium tetani (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45mins
8.45-9.30 am	26.	Tetanus				Medicine	45 mins
9.30-10.15 am	27.	Surgical aspects of tetanus				Surgery	45 Mins
10.30-12.00pm		Practical		Batch A : Various culture media Batch B: Small group discussion Batch C : Preparation of autopsy report (certification)	Class divisible in three batches	Respective departments	
DAY 9 15-03-2025 (Saturday)							
8.00-8.45 am	28.	Neisseria meningitidis, Neisseria gonorrhoea (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins

8.45-9.30 am	29.	Meningitis				Medicine	45 mins
9.30-10.15 am	30.	Macrolides				Pharmacology	45 mins
10.15-11.00 am						Forensic Medicine	45 mins
11.00-11.45 am						ENT	45 mins
11.45-12.30pm						EYE	45 mins
12.45—2.30pm		Practical		Batch B : Various culture media Batch C : Small group discussion Batch A : Preparation of autopsy report (certification)	Class divisible in three batches	Respective departments	
DAY 10 17-03-2025 (Monday)							
8.00-8.45 am	31.	Tetracyclins				Pharmacology	45 min
8.45-9.30 am	32.	Gardenella vaginalis, Hemophilus influenzae (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
9.30-10.15 am	33.	Tuberculosis				Medicine	45mins

Hospital work								10.30-12.00	
12.10-02.00 pm		Practical		Batch C : ZN staining Batch A: Small group discussion Batch B: Identification of volatile poisons by steam distillation		Class divisible in three batches	Respective departments		
Day 11								18-03-2025 (Tuesday)	
8.00-8.45am	34.	Surgery in tropics : tuberculosis					Surgery		45 mins
8.45-9.30 am	35.	Anti Tuberculous Drugs					Pharmacology		45 min
9.30-10.15 am	36.	Mycobacterium tuberculosis (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment			Pathology		
Hospital work								10.30-12.00	
12.10-02.00 pm		Practical		Batch A : ZN staining Batch B : Small group discussion Batch C : Identification of volatile poisons by steam distillation					
DAY 12								19-03-2025 (Wednesday)	
8.00-8.45 am	37.	Mycobacterium leprae and atypical mycobacterium (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment			Pathology		45 min
8.45-9.30 am	38.	Tuberculosis and Leprosy					Dermatology		45 mins
9.30-10.15 am	39.	Anti leprosy drugs					Pharmacology		45 mins

Hospital work								10.30-12.00	
12.10— 02.00 pm		Practical		Batch B : ZN staining Batch C : Small group discussion Batch A : Identification of volatile poisons by steam distillation	Class divisible in three batches	Respective departments			
DAY 13				20-03-2025 (Thursday)					
8.00-8.45 am	43.	Definition and diagnosis of death				Forensic medicine		45 mins	
8.45-9.30 am	44.	E. Coli		students should be able to know the characteristics of the micro-organism, diseases caused by them, their investigations and treatment		Pathology		45 mins	
9.30-10.15 am	45.	Urinary antiseptics				Pharmacology		45 min	
Hospital work				10.30-12.00					
12.10-02.00 pm		Practical		Batch C: Urine examination Batch A: Small group Discussion Batch B: Collection , preservation and labeling of specimens for lab examination	Class divisible in three batches	Respective departments			
DAY 14				21-03-2025 (Friday)					
8.00-8.45 am	46.	Klebsiella, Proteus (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology		45 min	
8.45-9.30 am	47.	Urinary tract infections				Urology		45 min	
9.30-10.15 am	48.	Corrosives (Mineral acids)				Forensic medicine		45 min	
10.30-12.00 pm		Practical		Batch B: Urine examination Batch C: Small group Discussion Batch A: Collection , preservation and labeling of specimens for lab examination	Class divisible in three batches	Respective departments			

Day 17		25-03-2025 (Tuesday)					
8.00-8.45 am	55.	Medicolegal aspects of sudden and unexplained death, suspended animation				Forensic Medicine	45 min
8.45-9.30 am	56.	Miscellaneous antibacterials (1)				Pharmacology	45 min
9.30-10.15 am	57.	Shigella and yersinia pestis (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins
Hospital work		10:30-12:00					
12.10-02.00 pm		Practical		Batch A : Widal test Batch B: Small group Discussion Batch C: Identification of inorganic metallic poisons	Class divisible in three batches	Respective departments	
Day 18		26-03-2025 (Wednesday)					
8.00-8.45 am	58.					Pharmacology	45 min
8.45-9.30 am	59.	Miscellaneous antibacterials (2)				Pharmacology	45 min
9.30-10.15 am	60.					Orthopedics	45 min
Hospital work		10:30-12:00					
12.10-02.00 pm		Practical		Batch B : Widal test Batch C: Small group Discussion Batch A: Identification of inorganic metallic poisons	Class divisible in three batches	Respective departments	

10.15-11.00 am		Campylobacter jejuni, Helicobacter pylori (Pathogenesis, Epidemiology, Prevention and Control)		Students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
11.00-11.45 am						Pharmacology	45 min
11.45-12:30 pm						ENT	45 min
12.45—02.30 pm		Practical		Batch B : Biochemical test (1) Batch C: group discussion Batch A: Storage of dead bodies, introduction to autopsy instruments.	Class divisible in three batches	Respective departments	
Day 22 31-03-2025(Monday)							
8.00-8.45 am		Chest Infection				Surgery	45 min
8.45-9.30 am		Cystic Fibrosis /Pneumonia				Medicine	45 min
9.30-10.15 am						Pathology	45 min
Hospital work 10:30-12:00							
12:10-02:00		PRACTICAL		Batch C: Pathology Batch A : Pharmacology Batch B : Forensic Medicine	Class divisible in three batches	Respective departments	
Day 23 09-04-2025 (Wednesday)							
8.00-8.45 am	73	Legionella, Mycoplasma pneumonia. (Pathogenesis, Epidemiology, Prevention and Control)		Students should be able to know the characteristics of the microorganisms, disease caused by them their investigations and treatment		Pathology	45 Mins
08:45 – 09:30am	74	Abscesses (Acute and chronic) and their management				Medicine	45 Mins
09:30 – 10:15am	75	Chlamydia (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		Students should be able to know the characteristics of the microorganisms, disease caused by them their investigations and treatment		Pathology	45 Mins

Hospital work								10:30-12:00	
12:10-02:00p.m.		RESPECTIVE PRACTICAL		Batch B: Biochemical tests (2) Batch C: Group discussion Batch A: Stas OHO,s process (Extraction technique)	Class divisible in three batches	Respective Departments			
Day 24				10-04-2025 (Thursday)					
8.00-8.45 am	76.	Artifacts, autopsy lab essentials, embalming				Forensic Medicine		45 Mins	
08:45 – 09:30am	77.	Treponema pallidum (Pathogenesis, Epidemiology, Preventions and Control, Treatment)				Pathology		45 Mins	
09:30 – 10:15am	78.	Syphillus and Candidiasis				Surgery		45 Mins	
Hospital Work 10:30 – 12:00noon									
12:10-02:00p.m.		PRACTICAL		Batch C: Biochemical tests (2) Batch A: Group Discussion Batch B: Stas OHO, s process (Extraction technique)	Class divisible in three batches	Respective Departments			
Day 25				11-04-2025 (Friday)					
8.00-8.45 am	79.	Physiology of cough reflex				Physiology		45 Mins	
08:45 – 09:30am	80.	Anti tussives, mucolytics and expectorants				Pharmacology		45 Mins	
09:30 – 10:15am	81.	Leptospira Rickettsia sp. (Pathogenesis, Epidemiology, Prevention and Control, Treatment)				Pathology		45 Mins	
10:30-12:00p.m.		PRACTICAL		Batch A: Biochemical tests (2) Batch B: Group Discussion Batch C: Stas OHO, s process (Extraction technique)	Class divisible in three batches	Respective Departments			
Day 26				12-04-2025 (Saturday)					
8.00-8.45 am	82.					Orthopaedics		45 min	

8.45 am-9.30 am	83.	Measles and Mumps virus (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the microorganism, diseases caused by them, their investigations and treatment		Pathology	45 mins
9.30 am-10.15 am	84.	Anti viral drugs (1)				Pharmacology	45 min
10.15 am-11.00 am						Pharmacology	45 min
11.00 am-11.45 am						Forensic Medicine	45 min
11.45 am-12.30pm						Orthopedics	45 min
12.45—2.30 pm		Practical		Batch B: Collection and dispatch of samples Batch C : group discussion Batch A : Thin layer chromatography	Class divisible in three batches	Respective departments	
Day 27 14-04-2025 (Monday)							
8.00-8.45 am	85.	Hepatitis A,B,C D E (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	86.	Exhumation procedure, law relating to autopsy and exhumation				Forensic medicine	45 mins
9.30-10.15 am	87.	Acute Hepatitis : A and E infection				Medicine	45 min
Hospital Work 10:30 – 12:00							
12.10—02.00 pm		Practical		Batch C: Tutorial Batch A : group discussion Batch B : Plant poisons	Class divisible in three batches	Respective departments	

Day 28		15-04-2025 (Tuesday)					
8.00-8.45 am	88.	Rubella Virus (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the microorganism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	89.	Death certification according to WHO				Forensic medicine	45 mins
9.30-10.15 am	90.	Herpes virus (Simplex and Zoster) (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
Hospital Work 10:30 – 12:00							
12:10-02:00p.m.		PRACTICAL		Batch A: Biochemical tests (2) Batch B: Group Discussion Batch C: Stas OHO,s process (Extraction technique)	Class divisible in three batches	Respective Departments	
DAY 29 16-04-2025 (Wednesday)							
8.00-8.45 am	94.	Influenza, Para influenza (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the microorganism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	95.	Hepatitis A,B and C				Surgery	45 min
9.30-10.15 am	96.	Organ transplantation and molecular death				Forensic Medicine	45 mins
Hospital work 10.30-12.00							
12.10—02.00 pm		PRACTICAL		Batch B: tutorial Batch C : group discussion Batch A : Plant poisons	Class divisible in three batches	Respective departments	

DAY 30				17-04-2025 (Thursday)			
8.00-8.45 am	97.	Irritants (Metallic Poisons)				Forensic Medicine	45 mins
8.45-9.30 am	98.	Chronic hepatitis : Hepatitis B and C infection				Medicine	45 min
9.30-10.15 am	99.	CMV and EBV (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins
Hospital work				10.30-12.00			
12.00-02:00		PRACTICAL		Batch C: tutorial Batch A: group discussion Batch B: Plant poisons	Class divisible in three batches	Respective departments	
DAY 31				18-04-2025 (Friday)			
8.00-8.45 am	100.	AIDS				Surgery	45 min
8.45-9.30 am	101.	HIV (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins
9.30-10.15 am	102.	HIV				Medicine	45 mins
10.30—12.00 pm		PRACTICAL		Batch A: tutorial Batch B: group discussion Batch C: Plant poisons	Class divisible in three batches	Respective departments	
DAY 32				19-04-2025 (Saturday)			
8.00-8.45 am	103.	Viral Conjunctivitis : Adenoviral, Molluscum contagiosum conjunctivitis.				Eye	45 min
8.45-9.30 am	104.					Orthopedic	45 mins

9.30-10.15 am	105.	Rabies Virus (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins
10.15-11.00 am						Forensic Medicine	45 mins
11.00-11.45 am						ENT	45 mins
11.45-12.30pm						Pathology	45 mins
12.45-2.30pm		Practical		Batch B : Antibigram Batch C : group discussion Batch A :Examination of blood i) Physical examination ii) spectroscopic examination iii) examination under U/v lamp	Class divisible in three batches	Respective departments	
DAY 33 21-04-2025 (Monday)							
8.00-8.45 am	106.	Cryptococcus neoformans, Histoplasma sp (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	107.	Definition, types, medicolegal significance of personal identity				Forensic Medicine	45 mins
9.30-10.15 am	108.	Antifugal drugs (1)				Medicine	45 Mins
Hospital work 10.30-12.00							
12.10—02.00 pm		Practical		Batch C: Tutorial Batch A : group discussion Batch B : Plant poisons	Class divisible in three batches	Respective departments	
DAY 34 22-04-2025 (Tuesday)							
8.00-8.45 am	109.	Candida albicans and Aspergillus sp (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min

8.45-9.30 am	110.	Anti-fungal drugs (2)				Surgery	45 mins
9.30-10.15 am	111.	Parameters/ methods of establishing identity				Forensic medicine	45 mins
Hospital work 10.30-12.00							
12:10-02:00p.m.		Practical		Batch A: Tutorial Batch B: Group discussion Batch C: Plant poisons	Class divisible In three batches	Respective department	
DAY 35 23-04-2025 (Wednesday)							
8.00-8.45 am	115.	Tinea species (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	116.	Nosocomial infection				Medicine	45 mins
9.30-10.15 am	117.	Anti malarial drugs (1)				Pharmacology	45 mins
Hospital work 10.30-12.00							
12.10—02.00		Practical		Batch B : Demonstration of malarial parasite Batch C : group discussion Batch A : Preliminary chemical examination of Blood	Class divisible in three batches	Respective departments	12.00—2.30
Day 36 24-04-2025 (Thursday)							
8.00-8.45 am	118.	Plasmodium sp (Pathogenesis, Epidemiology , prevention and control)				Pathology	
8.45-9.30 am	119.	Malaria				Medicine	45 Mins
9.30-10.15 am	120.	Anti malarials (2)				Pharmacology	

Hospital work								10.30-12.00	
12.10 - 02.00		Practical		Batch C : Demonstration of malarial parasite Batch A : group discussion Batch B : Preliminary chemical examination of Blood	Class divisible in three batches	Respective departments	10.15 - 12.00		
DAY 37				25-04-2025 (Friday)					
8.00-8.45 am	121.	Prophylaxis of surgical infections: Use of antibiotics (according to type of surgery)				Surgery	45 mins		
8.45-9.30 am	122.	Giardia lambda, Entamoeba histolytica (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the microorganism, diseases caused by them, their investigations and treatment		Pathology	45 min		
9.30-10.15 am	123.	Anti amoebic drugs (1)				Pharmacology	45 min		
10.30— 12.00pm		Practical		Batch A : Worm specimens Ascaris, Tenia, Hydatid cyst Batch B : group discussion Batch C : Confirmatory chemical examination of Blood	Class divisible in three batches	Respective departments			
DAY 38				26-04-2025 (Saturday)					
8.00-8.45 am	124.	Jdentification of living/ dead (Race and age determination)				Forensic Medicine	45min		
8.45-9.30 am	125.	Acute Laryngitis				ENT	45 mins		
9.30-10.15 am	126.	Post operative infections : Enophthalmitis, Panophthalmitis				Eye	45 mins		
10.15- 11.00 am						ENT	45 mins		
11.00- 11.45am						Pharmacology	45 mins		

11.45-12.30pm						Pharmacology	45 mins
12.45—02.30		Practical		Batch B : Demonstration of malarial parasite Batch C : group discussion Batch A: Preliminary chemical examination of Blood	Class divisible in three batches	Respective departments	
DAY 39 28-04-2025 (Monday)							
8.00-8.45 am	127.	Anti Amoebics (2)				Pharmacology	45 mins
8.45-9.30 am	128.	Leishmania sp (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
9.30-10.15 am	129.	Metallic poisons (Mercury, copper, Thallium)				Forensic medicine	45 min
Hospital work 10.30-12.00							
12.10—02.00 pm		Practical		Batch C: Tutorial Batch A: group discussion Batch B: Plant poisons	Class divisible in three batches	Respective departments	
DAY 40 29-04-2025 (Tuesday)							
8.00-8.45 am	130.	Toxoplasmosis gonadi and pneumocystis Carinii (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	131.	Toxoplasmosis				Medicine	45 min
9.30-10.15 am	132.	Gender determination of living/ dead				Forensic medicine	45 mins

Hospital work								10.30-12.00	
12:10-02:00		Practical		Batch A : Worm specimens Ascaris, Tenia, Hydatid cyst Batch B : group discussion Batch C : Confirmatory chemical examination of Blood	Class divisible in three batches	Respective departments			
Day 41				30-04-2025 (Wednesday)					
8.00-8.45 am	136.	Prophylaxis of surgical infection : pre operative preparation				Surgery		45 mins	
8.45-9.30 am	137.	Forensic Odontology				Forensic Medicine		45 mins	
9.30-10.15 am	138.	Cryptosporidium and trichomonas vaginalis (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology		45 min	
Hospital work				10.30-12.00					
12.10—02.30		PRACTICAL		Batch B : Worm specimens Ascaris, Tenia, Hydatid cyst Batch C : group discussion Batch A : Confirmatory chemical examination of Blood	Class divisible in three batches	Respective departments			
DAY 42				02-05-2025 (Friday)					
8.00-8.45 am	139.	Anti Helmintics (2)				Pharmacology		45 min	
8.45-9.30 am	140.	Prophylaxis of surgical infection : Scrubbing techniques				Surgery		45 min	
9.30-10.15 am	141.	Ascaris Lumbricoides (Pathogenesis, Epidemiology, prevention and control)				Pathology		45 min	

10.30— 12.00		PRACTICAL		Batch A: tutorial Batch B: group discussion Batch C: Species specific and microscopic examination of blood.	Class divisible in three batches	Respective departments	
DAY 43 03-05-2025 (Saturday)							
8.00-8.45 am	142.	Non metallic poisonous irritants (Phosphorus) Mechanical irritants				Forensic Medicine	45 min
8.45-9.30 am	143.	Acchylostoma duodenale (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
9.30-10.15 am	144					Orthopedics	45 mins
10.15- 11:00 am						Pathology	45 mins
11.00- 11.45 am						Surgery	45 mins
11.45- 12.30 Pm						Pharmacology	45 mins
12.45- 02.30pm		PRACTICAL		Batch B : Tutorial Batch C: group discussion Batch A: Species specific and microscopic examination of blood.	Class divisible in three batches	Respective departments	
DAY 44 05-05-2025 (Monday)							
8.00-8.45 am	145.					Forensic Medicine	45 mins
8.45-9.30 am	146.					Forensic Medicine	45 min
9.30-10.15 am	147.	Entrobis Vermicularis and Trichris Trichuria (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins

Hospital work								10.30-12.00	
12.10-02.00Noon		PRACTICAL		Batch C : tutorial Batch A : group discussion Batch B : Species specific and microscopic examination of blood.	Class divisible in three batches	Respective departments			
DAY 45								06-05-2025 (Tuesday)	
8.00-8.45 am	148	Strongyloides Stercoralis and Hymenolepis Nana (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology		45 min	
8.45-9.30 am	149.	Chronic Laryngitis				ENT			
9.30-10.15 am	150.	Infections of cornea : Bacterial keratitis, fungal keratitis, Herpes simplex keratitis, herpes Zoster, interstitial keratitis, Protozoan keratitis				Eye		45 mins	
Hospital work								10.30-12.00	
12:10-02:00Noon		PRACTICAL		Batch A : stool examination Batch B : group discussion Batch C : Examination of hair/Fibre	Class divisible in three batches	Respective departments			
DAY 46								07-05-2025 (Wednesday)	
8.00-8.45 am	151.	Finger prints and other congenital and acquired marks of identification				Forensic medicine		45 mins	
8.45-9.30 am	152.	Filarial species (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology		45 min	
9.30-10.15 am	153.					Orthopaedic surgery		45 mins	

Hospital work		10.30-12.00				
12.10— 02.00pm		Practical	Batch B : stool examination Batch C: group discussion Batch A: Examination of hair/ Fibre	Class divisible in three batches	Respective departments	
DAY 47		08-05-2025 (Thursday)				
8.00-8.45 am	157.	Echinococcus Species (Pathogenesis, Epidemiology, Prevention and Control,Treatment)	students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	158.	Establishment of identity from skeleton and skeletal remains			Forensic medicine	45 min
9.30-10.15 am	159.	Pharmacological agents used for Treatment of bronchial asthma			Pharmacology	45 mins
Hospital work		10.30-12.00				
12.10— 02.00		Practical	Batch C : stool examination Batch A: group discussion Batch B: Examination of hair/ Fibre	Class divisible in three batches	Respective departments	
DAY 48		09-05-2025 (Friday)				
8.00-8.45 am	160.	Taenia solium and Taenia saginata (Pathogenesis, Epidemiology, Prevention and Control,Treatment)	students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	161.	Career counseling			DME	45 mins
9.30-10.15 am	162.	Bronchdilators			Pharmacology	45 mins
10.30— 12.00		Practical	Batch A : stool examination Batch B : group discussion Batch C: Examination of hair/ Fibre	Class divisible in three batches	Respective departments	

DAY 49

10-05-2025 (Saturday)

8.00-8.45 am	157.	Uveitis : Toxoplasmosis, Toxocariasis, Uveitis in HIV, Fungal uveitis, Bacterial uveitis				Eye	45 mins
8.45-9.30 am	158.	Schistosoma Species (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
9.30-10.15 am	159.					Orthopedics	45 min
10:15-11:00am						Pharmacology	45 min
11:00-11:45am						Forensic Medicine	45 min
11:45-12:30pm						Orthopedics	45 min
12.45—02.30		Practical		Batch B : Tutorial Batch C: group discussion Batch A : Semen/ Seminal stain analysis	Class divisible in three batches	Respective departments	

DAY 50 12-05-2025 (Monday)							
8.00-8.45 am		Acute Sinusitis				ENT	45 min
8.45-9.30 am						Forensic Medicine	45 min
9.30-10.15 am		Clinical Aspects Of Ebola And Dengue Virus				Medicine	45 min
Hospital work 10.30-12.00							
12.10—02.00		Practical		Batch C : stool examination Batch A: group discussion Batch B: Examination of hair/ Fibre	Class divisible in three batches	Respective departments	
DAY 51 13-05-2025 (Tuesday)							
8.00-8.45 am						Forensic Medicine	45 min
8.45-9.30 am						Pharmacology	45 min
9.30-10.15 am						Orthopedics	45 min
Hospital work 10.30-12.00							
12.10—02.00		Practical		Batch A : stool examination Batch B: group discussion Batch C: Examination of hair/ Fibre	Class divisible in three batches	Respective departments	
DAY 52 14-05-2025 (Wednesday)							
8.00-8.45 am						Forensic Medicine	45 min
8.45-9.30 am						Pathology	45 min
9.30-10.15 am						EYE	45 min
Hospital work 10.30-12.00							
12.10-02.00pm		PRACTICAL		Batch B : Tutorial Batch C: group discussion Batch A: Species specific and microscopic examination of blood.	Class divisible in three batches	Respective departments	

DAY 53 15-05-2025 (Thursday)							
8.00-8.45 am						Surgery	
8.45-9.30 am						Forensic Medicine	
9.30-10.15 am						Pharmacology	
Hospital work				10.30-12.00			
12.45—02.30		Practical		Batch C : Tutorial Batch A: group discussion Batch B : Semen/ Seminal stain analysis	Class divisible in three batches	Respective departments	
DAY 54 16-05-2025 (Friday)							
SELF-STUDY							
DAY 55 17-05-2025 (Saturday)							
		Pathology Assessment (Special Bacteriology) (09:00 to 10:00am)					
Hospital work				10.30-12.00			
DAY 56 19-05-2025 (Monday)							
24-07-2024		Forensic Assessment (09:00 to 10:00am)					
Hospital work				10.30-12.00			
DAY 57 20-05-2025 (Tuesday)							
SELF-STUDY							
Hospital work				10.30-12.00			
DAY 58 21-05-2025 (Wednesday)							
		Pharmacology Assessment (09:00 to 10:00am)					
Hospital work				10.30-12.00			

All lectures and assessment will be conducted in Forensic Lecture Theatre.

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MODULE

SPECIAL MICROBIOLOGY

DURATION **58 DAYS (06th March, 2025 to 21st May, 2025)**

CONTACT HOURS Lectures 168 = 126 hours + Practicals = 48 Hours + Hospital stay = 120 Hours

CREDIT HOURS 11.9

TEACHING METHODOLOGIES Lectures/Practicals/ small group discussion/clinics

OBJECTIVES:

This integrated module of special microbiology is proposed for 3rd year M.B;B.S. It will introduce the class with microorganisms, the various diseases produced by them and their clinical presentations. It is intended to extend knowledge, understanding and practical skills in the field of microbiology.

By the end of the module the students should have acquired a basic theoretical and practical knowledge of:

Antimicrobial agents and their use,

Clinical microbiology

Parasitology and mycology

Medical, surgical and allied (Eye, ENT, Orthopaedic surgery) related infections and their clinical presentation

A core knowledge of forensic medicine and toxicology will also be included in this module.

The course is intended to cover the capabilities of:

Knowledge (Of microbes and antimicrobial agents)

Technical expertise (Handling of samples, examination of urine and stool specimens, interpretation of antibiogram and various biochemical tests, performing autopsies etc)

Critical analysis and problem solving) (small group discussions, tutorials)

Communication (working in clinics, studying clinical cases)

TIME			PLAC E	LEARNING OUTCOME	Recommended books	DEPARTMENT/ Facilitator	DURAT ION
DAY 1 06-03-2025 (Thursday)							
8.00- 8.45am	1.	Overview of Bacteraemia and Septicaemia				Surgery	
8.45- 9.30am	2.	Staphylococcus aureus (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
9.30- 10.15am	3.	Principles of antimicrobial drug action				Pharmacology	45 min
Hospital work 10.30-12.00							
12.10— 02.00		Practical		Batch C: Gram staining Batch A : Small group discussion Batch B: Medico legal autopsies	Class divisible in three batches	Respective departments	
DAY 2 07-03-2025 (Friday)							
8.00- 8.45am	4.	Streptococcus pneumonia, Beta hemolytic Streptococcus type a and b (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45- 9.30am	5.	Pneumonia				Medicine	45 mins
9.30- 10.15am	6.	Objectives, rules and techniques of autopsy				Forensic Medicine	45 mins
10.30— 12.00pm		Practical		Batch A: Gram staining Batch B : Small group discussion Batch C : Medico legal autopsies	Class divisible in three batches	Respective departments	
DAY 3 08-03-2025 (Saturday)							
8.00- 8.45am	7.	Penicillines and cephalosporins (1)				Pharmacology	45 mins

8.45-9.30am	8.	Beta Haemolytic streptococci (Cont) ,Diphtheria Sp. (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
9.30-10.15am	9.	Infective endocarditis				Medicine	45 mins
10.15-11.00am						Orthopedics	
11.00-11.45am						ENT	
11.45-12.30am						EYE	
12.45—2.30pm		PRACTICAL		Batch B: Gram staining Batch C: Small group discussion Batch A: Medico legal autopsies	Class divisible in three batches	Respective departments	
DAY 4 10-03-2025 (Monday)							
8.00-8.45am	10.	Penicillines and cephalosporins (2)				Pharmacology	45 min
8.45-9.30am	11.	Bacillus anthracis, Bordetella sp. (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
9.30-10.15am	12.	Biological weapons (Anthrax, tetanus etc)				Forensic Medicine	45 mins
Hospital work 10.30-12.00							
12.10—2.00 pm		PRACTICAL		Batch C : Oxidase and catalase test Batch A : Small group discussion Batch B : Examination of stomach contents	Class divisible in three batches	Respective departments	

DAY 5								11-03-2025 (Tuesday)							
8.00-8.45am	13.	Preparation of autopsy protocol, types of autopsy					Forensic Medicine	45 min							
8.45-9.30am	14.	Actinomyces israelii, Nocardia asteroides (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment			Pathology	45 mins							
9.30-10.15am	15	Actinomycosis, Anthrax and Gonorrhoea					surgery	45 mins							
Hospital work								10.30-12.00							
12.10-02:00 pm		PRACTICAL		Batch A: Oxidase and catalase test. Batch B: Small group discussion Batch C: Examination of stomach contents		Class divisible in three batches	Respective departments								
DAY 6								12-03-2025 (Wednesday)							
8.00-8.45am	16.	Penicillines and cephalosporins (3)					Pharmacology	45 min							
8.45-9.30 am	17.	Clostridium difficile, Clostridium botulinum (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment			Pathology	45 mins							
9.30-10.15am	18.	Food poisoning including botulism					Forensic Medicine	45 mins							
Hospital work								10.30-12.00							
12.10—2.00 pm		PRACTICAL		Batch B: Oxidase and catalase test. Batch C: Small group discussion Batch A: Examination of stomach contents		Class divisible in three batches	Respective departments								

Day 7 13-03-2025 (Thursday)							
8.00-8.45am	22.	Clostridium perfringens (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins
8.45-9.30am	23.	Gas gangrene and synergistic gangrene				Surgery	45 mins
9.30-10.15am	24.	Sulphonamides and trimethoprim				Pharmacology	45 mins
Hospital work 10.30-12.00							
12.10 — 02.00pm		PRACTICAL		Batch C : Various culture media Batch A : Small group discussion Batch B: Preparation of autopsy report (certification)	Class divisible in three batches	Respective departments	
DAY 8 14-03-2025 (Friday)							
8.00-8.45 am	25.	Clostridium tetani (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45mins
8.45-9.30 am	26.	Tetanus				Medicine	45 mins
9.30-10.15 am	27.	Surgical aspects of tetanus				Surgery	45 Mins
10.30-12.00pm		Practical		Batch A : Various culture media Batch B: Small group discussion Batch C : Preparation of autopsy report (certification)	Class divisible in three batches	Respective departments	
DAY 9 15-03-2025 (Saturday)							
8.00-8.45 am	28.	Neisseria meningitidis, Neisseria gonorrhoea (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins

8.45-9.30 am	29.	Meningitis				Medicine	45 mins
9.30-10.15 am	30.	Macrolides				Pharmacology	45 mins
10.15-11.00 am						Forensic Medicine	45 mins
11.00-11.45 am						ENT	45 mins
11.45-12.30pm						EYE	45 mins
12.45—2.30pm		Practical		Batch B : Various culture media Batch C : Small group discussion Batch A : Preparation of autopsy report (certification)	Class divisible in three batches	Respective departments	
DAY 10 17-03-2025 (Monday)							
8.00-8.45 am	31.	Tetracyclins				Pharmacology	45 min
8.45-9.30 am	32.	Gardenella vaginalis, Hemophilus influenzae (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
9.30-10.15 am	33.	Tuberculosis				Medicine	45mins

Hospital work								10.30-12.00	
12.10-02.00 pm		Practical		Batch C : ZN staining Batch A: Small group discussion Batch B: Identification of volatile poisons by steam distillation		Class divisible in three batches	Respective departments		
Day 11								18-03-2025 (Tuesday)	
8.00-8.45am	34.	Surgery in tropics : tuberculosis					Surgery		45 mins
8.45-9.30 am	35.	Anti Tuberculous Drugs					Pharmacology		45 min
9.30-10.15 am	36.	Mycobacterium tuberculosis (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment			Pathology		
Hospital work								10.30-12.00	
12.10-02.00 pm		Practical		Batch A : ZN staining Batch B : Small group discussion Batch C : Identification of volatile poisons by steam distillation					
DAY 12								19-03-2025 (Wednesday)	
8.00-8.45 am	37.	Mycobacterium leprae and atypical mycobacterium (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment			Pathology		45 min
8.45-9.30 am	38.	Tuberculosis and Leprosy					Dermatology		45 mins
9.30-10.15 am	39.	Anti leprosy drugs					Pharmacology		45 mins

Hospital work								10.30-12.00	
12.10— 02.00 pm		Practical		Batch B : ZN staining Batch C : Small group discussion Batch A : Identification of volatile poisons by steam distillation	Class divisible in three batches	Respective departments			
DAY 13				20-03-2025 (Thursday)					
8.00-8.45 am	43.	Definition and diagnosis of death				Forensic medicine		45 mins	
8.45-9.30 am	44.	E. Coli		students should be able to know the characteristics of the micro-organism, diseases caused by them, their investigations and treatment		Pathology		45 mins	
9.30- 10.15 am	45.	Urinary antiseptics				Pharmacology		45 min	
Hospital work				10.30-12.00					
12.10- 02.00 pm		Practical		Batch C: Urine examination Batch A: Small group Discussion Batch B: Collection , preservation and labeling of specimens for lab examination	Class divisible in three batches	Respective departments			
DAY 14				21-03-2025 (Friday)					
8.00-8.45 am	46.	Klebsiella, Proteus (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology		45 min	
8.45-9.30 am	47.	Urinary tract infections				Urology		45 min	
9.30- 10.15 am	48.	Corrosives (Mineral acids)				Forensic medicine		45 min	
10.30- 12.00 pm		Practical		Batch B: Urine examination Batch C: Small group Discussion Batch A: Collection , preservation and labeling of specimens for lab examination	Class divisible in three batches	Respective departments			

Day 17		25-03-2025 (Tuesday)					
8.00-8.45 am	55.	Medicolegal aspects of sudden and unexplained death, suspended animation				Forensic Medicine	45 min
8.45-9.30 am	56.	Miscellaneous antibacterials (1)				Pharmacology	45 min
9.30-10.15 am	57.	Shigella and yersinia pestis (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins
Hospital work		10:30-12:00					
12.10-02.00 pm		Practical		Batch A : Widal test Batch B: Small group Discussion Batch C: Identification of inorganic metallic poisons	Class divisible in three batches	Respective departments	
Day 18		26-03-2025 (Wednesday)					
8.00-8.45 am	58.					Pharmacology	45 min
8.45-9.30 am	59.	Miscellaneous antibacterials (2)				Pharmacology	45 min
9.30-10.15 am	60.					Orthopedics	45 min
Hospital work		10:30-12:00					
12.10-02.00 pm		Practical		Batch B : Widal test Batch C: Small group Discussion Batch A: Identification of inorganic metallic poisons	Class divisible in three batches	Respective departments	

10.15-11.00 am		Campylobacter jejuni, Helicobacter pylori (Pathogenesis, Epidemiology, Prevention and Control)		Students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
11.00-11.45 am						Pharmacology	45 min
11.45-12:30 pm						ENT	45 min
12.45—02.30 pm		Practical		Batch B : Biochemical test (1) Batch C: group discussion Batch A: Storage of dead bodies, introduction to autopsy instruments.	Class divisible in three batches	Respective departments	
Day 22 31-03-2025(Monday)							
8.00-8.45 am		Chest Infection				Surgery	45 min
8.45-9.30 am		Cystic Fibrosis /Pneumonia				Medicine	45 min
9.30-10.15 am						Pathology	45 min
Hospital work 10:30-12:00							
12:10-02:00		PRACTICAL		Batch C: Pathology Batch A : Pharmacology Batch B : Forensic Medicine	Class divisible in three batches	Respective departments	
Day 23 09-04-2025 (Wednesday)							
8.00-8.45 am	73	Legionella, Mycoplasma pneumonia. (Pathogenesis, Epidemiology, Prevention and Control)		Students should be able to know the characteristics of the microorganisms, disease caused by them their investigations and treatment		Pathology	45 Mins
08:45 – 09:30am	74	Abscesses (Acute and chronic) and their management				Medicine	45 Mins
09:30 – 10:15am	75	Chlamydia (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		Students should be able to know the characteristics of the microorganisms, disease caused by them their investigations and treatment		Pathology	45 Mins

Hospital work								10:30-12:00	
12:10-02:00p.m.		RESPECTIVE PRACTICAL		Batch B: Biochemical tests (2) Batch C: Group discussion Batch A: Stas OHO,s process (Extraction technique)	Class divisible in three batches	Respective Departments			
Day 24				10-04-2025 (Thursday)					
8.00-8.45 am	76.	Artifacts, autopsy lab essentials, embalming				Forensic Medicine		45 Mins	
08:45 – 09:30am	77.	Treponema pallidum (Pathogenesis, Epidemiology, Preventions and Control, Treatment)				Pathology		45 Mins	
09:30 – 10:15am	78.	Syphillus and Candidiasis				Surgery		45 Mins	
Hospital Work 10:30 – 12:00noon									
12:10-02:00p.m.		PRACTICAL		Batch C: Biochemical tests (2) Batch A: Group Discussion Batch B: Stas OHO, s process (Extraction technique)	Class divisible in three batches	Respective Departments			
Day 25				11-04-2025 (Friday)					
8.00-8.45 am	79.	Physiology of cough reflex				Physiology		45 Mins	
08:45 – 09:30am	80.	Anti tussives, mucolytics and expectorants				Pharmacology		45 Mins	
09:30 – 10:15am	81.	Leptospira Rickettsia sp. (Pathogenesis, Epidemiology, Prevention and Control, Treatment)				Pathology		45 Mins	
10:30-12:00p.m.		PRACTICAL		Batch A: Biochemical tests (2) Batch B: Group Discussion Batch C: Stas OHO, s process (Extraction technique)	Class divisible in three batches	Respective Departments			
Day 26				12-04-2025 (Saturday)					
8.00-8.45 am	82.					Orthopaedics		45 min	

8.45 am-9.30 am	83.	Measles and Mumps virus (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the microorganism, diseases caused by them, their investigations and treatment		Pathology	45 mins
9.30 am-10.15 am	84.	Anti viral drugs (1)				Pharmacology	45 min
10.15 am-11.00 am						Pharmacology	45 min
11.00 am-11.45 am						Forensic Medicine	45 min
11.45 am-12.30pm						Orthopedics	45 min
12.45—2.30 pm		Practical		Batch B: Collection and dispatch of samples Batch C : group discussion Batch A : Thin layer chromatography	Class divisible in three batches	Respective departments	
Day 27 14-04-2025 (Monday)							
8.00-8.45 am	85.	Hepatitis A,B,C D E (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	86.	Exhumation procedure, law relating to autopsy and exhumation				Forensic medicine	45 mins
9.30-10.15 am	87.	Acute Hepatitis : A and E infection				Medicine	45 min
Hospital Work 10:30 – 12:00							
12.10—02.00 pm		Practical		Batch C: Tutorial Batch A : group discussion Batch B : Plant poisons	Class divisible in three batches	Respective departments	

Day 28		15-04-2025 (Tuesday)					
8.00-8.45 am	88.	Rubella Virus (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the microorganism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	89.	Death certification according to WHO				Forensic medicine	45 mins
9.30-10.15 am	90.	Herpes virus (Simplex and Zoster) (Pathogenesis, Epidemiology, Prevention and Control)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
Hospital Work 10:30 – 12:00							
12:10-02:00p.m.		PRACTICAL		Batch A: Biochemical tests (2) Batch B: Group Discussion Batch C: Stas OHO,s process (Extraction technique)	Class divisible in three batches	Respective Departments	
DAY 29 16-04-2025 (Wednesday)							
8.00-8.45 am	94.	Influenza, Para influenza (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the microorganism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	95.	Hepatitis A,B and C				Surgery	45 min
9.30-10.15 am	96.	Organ transplantation and molecular death				Forensic Medicine	45 mins
Hospital work 10.30-12.00							
12.10—02.00 pm		PRACTICAL		Batch B: tutorial Batch C : group discussion Batch A : Plant poisons	Class divisible in three batches	Respective departments	

DAY 30				17-04-2025 (Thursday)			
8.00-8.45 am	97.	Irritants (Metallic Poisons)				Forensic Medicine	45 mins
8.45-9.30 am	98.	Chronic hepatitis : Hepatitis B and C infection				Medicine	45 min
9.30-10.15 am	99.	CMV and EBV (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins
Hospital work				10.30-12.00			
12.00-02:00		PRACTICAL		Batch C: tutorial Batch A: group discussion Batch B: Plant poisons	Class divisible in three batches	Respective departments	
DAY 31				18-04-2025 (Friday)			
8.00-8.45 am	100.	AIDS				Surgery	45 min
8.45-9.30 am	101.	HIV (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins
9.30-10.15 am	102.	HIV				Medicine	45 mins
10.30—12.00 pm		PRACTICAL		Batch A: tutorial Batch B: group discussion Batch C: Plant poisons	Class divisible in three batches	Respective departments	
DAY 32				19-04-2025 (Saturday)			
8.00-8.45 am	103.	Viral Conjunctivitis : Adenoviral, Molluscum contagiosum conjunctivitis.				Eye	45 min
8.45-9.30 am	104.					Orthopedic	45 mins

9.30-10.15 am	105.	Rabies Virus (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 mins
10.15-11.00 am						Forensic Medicine	45 mins
11.00-11.45 am						ENT	45 mins
11.45-12.30pm						Pathology	45 mins
12.45-2.30pm		Practical		Batch B : Antibigram Batch C : group discussion Batch A :Examination of blood i) Physical examination ii) spectroscopic examination iii) examination under U/v lamp	Class divisible in three batches	Respective departments	
DAY 33 21-04-2025 (Monday)							
8.00-8.45 am	106.	Cryptococcus neoformans, Histoplasma sp (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	107.	Definition, types, medicolegal significance of personal identity				Forensic Medicine	45 mins
9.30-10.15 am	108.	Antifugal drugs (1)				Medicine	45 Mins
Hospital work 10.30-12.00							
12.10—02.00 pm		Practical		Batch C: Tutorial Batch A : group discussion Batch B : Plant poisons	Class divisible in three batches	Respective departments	
DAY 34 22-04-2025 (Tuesday)							
8.00-8.45 am	109.	Candida albicans and Aspergillus sp (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min

8.45-9.30 am	110.	Anti-fungal drugs (2)				Surgery	45 mins
9.30-10.15 am	111.	Parameters/ methods of establishing identity				Forensic medicine	45 mins
Hospital work 10.30-12.00							
12:10-02:00p.m.		Practical		Batch A: Tutorial Batch B: Group discussion Batch C: Plant poisons	Class divisible In three batches	Respective department	
DAY 35 23-04-2025 (Wednesday)							
8.00-8.45 am	115.	Tinea species (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	116.	Nosocomial infection				Medicine	45 mins
9.30-10.15 am	117.	Anti malarial drugs (1)				Pharmacology	45 mins
Hospital work 10.30-12.00							
12.10—02.00		Practical		Batch B : Demonstration of malarial parasite Batch C : group discussion Batch A : Preliminary chemical examination of Blood	Class divisible in three batches	Respective departments	12.00—2.30
Day 36 24-04-2025 (Thursday)							
8.00-8.45 am	118.	Plasmodium sp (Pathogenesis, Epidemiology , prevention and control)				Pathology	
8.45-9.30 am	119.	Malaria				Medicine	45 Mins
9.30-10.15 am	120.	Anti malarials (2)				Pharmacology	

Hospital work								10.30-12.00	
12.10 - 02.00		Practical		Batch C : Demonstration of malarial parasite Batch A : group discussion Batch B : Preliminary chemical examination of Blood	Class divisible in three batches	Respective departments	10.15 - 12.00		
DAY 37				25-04-2025 (Friday)					
8.00-8.45 am	121.	Prophylaxis of surgical infections: Use of antibiotics (according to type of surgery)				Surgery	45 mins		
8.45-9.30 am	122.	Giardia lambda, Entamoeba histolytica (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the microorganism, diseases caused by them, their investigations and treatment		Pathology	45 min		
9.30-10.15 am	123.	Anti amoebic drugs (1)				Pharmacology	45 min		
10.30— 12.00pm		Practical		Batch A : Worm specimens Ascaris, Tenia, Hydatid cyst Batch B : group discussion Batch C : Confirmatory chemical examination of Blood	Class divisible in three batches	Respective departments			
DAY 38				26-04-2025 (Saturday)					
8.00-8.45 am	124.	Jdentification of living/ dead (Race and age determination)				Forensic Medicine	45min		
8.45-9.30 am	125.	Acute Laryngitis				ENT	45 mins		
9.30-10.15 am	126.	Post operative infections : Enophthalmitis, Panophthalmitis				Eye	45 mins		
10.15- 11.00 am						ENT	45 mins		
11.00- 11.45am						Pharmacology	45 mins		

11.45-12.30pm						Pharmacology	45 mins
12.45—02.30		Practical		Batch B : Demonstration of malarial parasite Batch C : group discussion Batch A: Preliminary chemical examination of Blood	Class divisible in three batches	Respective departments	
DAY 39 28-04-2025 (Monday)							
8.00-8.45 am	127.	Anti Amoebics (2)				Pharmacology	45 mins
8.45-9.30 am	128.	Leishmania sp (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
9.30-10.15 am	129.	Metallic poisons (Mercury, copper, Thallium)				Forensic medicine	45 min
Hospital work 10.30-12.00							
12.10—02.00 pm		Practical		Batch C: Tutorial Batch A: group discussion Batch B: Plant poisons	Class divisible in three batches	Respective departments	
DAY 40 29-04-2025 (Tuesday)							
8.00-8.45 am	130.	Toxoplasmosis gonadi and pneumocystis Carinii (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	131.	Toxoplasmosis				Medicine	45 min
9.30-10.15 am	132.	Gender determination of living/ dead				Forensic medicine	45 mins

Hospital work								10.30-12.00	
12:10-02:00		Practical		Batch A : Worm specimens Ascaris, Tenia, Hydatid cyst Batch B : group discussion Batch C : Confirmatory chemical examination of Blood	Class divisible in three batches	Respective departments			
Day 41				30-04-2025 (Wednesday)					
8.00-8.45 am	136.	Prophylaxis of surgical infection : pre operative preparation				Surgery	45 mins		
8.45-9.30 am	137.	Forensic Odontology				Forensic Medicine	45 mins		
9.30-10.15 am	138.	Cryptosporidium and trichomonas vaginalis (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min		
Hospital work				10.30-12.00					
12.10—02.30		PRACTICAL		Batch B : Worm specimens Ascaris, Tenia, Hydatid cyst Batch C : group discussion Batch A : Confirmatory chemical examination of Blood	Class divisible in three batches	Respective departments			
DAY 42				02-05-2025 (Friday)					
8.00-8.45 am	139.	Anti Helmintics (2)				Pharmacology	45 min		
8.45-9.30 am	140.	Prophylaxis of surgical infection : Scrubbing techniques				Surgery	45 min		
9.30-10.15 am	141.	Ascaris Lumbricoides (Pathogenesis, Epidemiology, prevention and control)				Pathology	45 min		

Hospital work								10.30-12.00	
12.10-02.00Noon		PRACTICAL		Batch C : tutorial Batch A : group discussion Batch B : Species specific and microscopic examination of blood.	Class divisible in three batches	Respective departments			
DAY 45								06-05-2025 (Tuesday)	
8.00-8.45 am	148	Strongyloides Stercoralis and Hymenolepis Nana (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology		45 min	
8.45-9.30 am	149.	Chronic Laryngitis				ENT			
9.30-10.15 am	150.	Infections of cornea : Bacterial keratitis, fungal keratitis, Herpes simplex keratitis, herpes Zoster, interstitial keratitis, Protozoan keratitis				Eye		45 mins	
Hospital work								10.30-12.00	
12:10-02:00Noon		PRACTICAL		Batch A : stool examination Batch B : group discussion Batch C : Examination of hair/Fibre	Class divisible in three batches	Respective departments			
DAY 46								07-05-2025 (Wednesday)	
8.00-8.45 am	151.	Finger prints and other congenital and acquired marks of identification				Forensic medicine		45 mins	
8.45-9.30 am	152.	Filarial species (Pathogenesis, Epidemiology, Prevention and Control,Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology		45 min	
9.30-10.15 am	153.					Orthopaedic surgery		45 mins	

Hospital work		10.30-12.00				
12.10— 02.00pm		Practical	Batch B : stool examination Batch C: group discussion Batch A: Examination of hair/ Fibre	Class divisible in three batches	Respective departments	
DAY 47		08-05-2025 (Thursday)				
8.00-8.45 am	157.	Echinococcus Species (Pathogenesis, Epidemiology, Prevention and Control,Treatment)	students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	158.	Establishment of identity from skeleton and skeletal remains			Forensic medicine	45 min
9.30-10.15 am	159.	Pharmacological agents used for Treatment of bronchial asthma			Pharmacology	45 mins
Hospital work		10.30-12.00				
12.10— 02.00		Practical	Batch C : stool examination Batch A: group discussion Batch B: Examination of hair/ Fibre	Class divisible in three batches	Respective departments	
DAY 48		09-05-2025 (Friday)				
8.00-8.45 am	160.	Taenia solium and Taenia saginata (Pathogenesis, Epidemiology, Prevention and Control,Treatment)	students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
8.45-9.30 am	161.	Career counseling			DME	45 mins
9.30-10.15 am	162.	Bronchdilators			Pharmacology	45 mins
10.30— 12.00		Practical	Batch A : stool examination Batch B : group discussion Batch C: Examination of hair/ Fibre	Class divisible in three batches	Respective departments	

DAY 49

10-05-2025 (Saturday)

8.00-8.45 am	157.	Uveitis : Toxoplasmosis, Toxocariasis, Uveitis in HIV, Fungal uveitis, Bacterial uveitis				Eye	45 mins
8.45-9.30 am	158.	Schistosoma Species (Pathogenesis, Epidemiology, Prevention and Control, Treatment)		students should be able to know the characteristics of the micro organism, diseases caused by them, their investigations and treatment		Pathology	45 min
9.30-10.15 am	159.					Orthopedics	45 min
10:15-11:00am						Pharmacology	45 min
11:00-11:45am						Forensic Medicine	45 min
11:45-12:30pm						Orthopedics	45 min
12.45—02.30		Practical		Batch B : Tutorial Batch C: group discussion Batch A : Semen/ Seminal stain analysis	Class divisible in three batches	Respective departments	

DAY 50 12-05-2025 (Monday)							
8.00-8.45 am		Acute Sinusitis				ENT	45 min
8.45-9.30 am						Forensic Medicine	45 min
9.30-10.15 am		Clinical Aspects Of Ebola And Dengue Virus				Medicine	45 min
Hospital work 10.30-12.00							
12.10—02.00		Practical		Batch C : stool examination Batch A: group discussion Batch B: Examination of hair/ Fibre	Class divisible in three batches	Respective departments	
DAY 51 13-05-2025 (Tuesday)							
8.00-8.45 am						Forensic Medicine	45 min
8.45-9.30 am						Pharmacology	45 min
9.30-10.15 am						Orthopedics	45 min
Hospital work 10.30-12.00							
12.10—02.00		Practical		Batch A : stool examination Batch B: group discussion Batch C: Examination of hair/ Fibre	Class divisible in three batches	Respective departments	
DAY 52 14-05-2025 (Wednesday)							
8.00-8.45 am						Forensic Medicine	45 min
8.45-9.30 am						Pathology	45 min
9.30-10.15 am						EYE	45 min
Hospital work 10.30-12.00							
12.10-02.00pm		PRACTICAL		Batch B : Tutorial Batch C: group discussion Batch A: Species specific and microscopic examination of blood.	Class divisible in three batches	Respective departments	

DAY 53 15-05-2025 (Thursday)							
8.00-8.45 am						Surgery	
8.45-9.30 am						Forensic Medicine	
9.30-10.15 am						Pharmacology	
Hospital work				10.30-12.00			
12.45—02.30		Practical		Batch C : Tutorial Batch A: group discussion Batch B : Semen/ Seminal stain analysis	Class divisible in three batches	Respective departments	
DAY 54 16-05-2025 (Friday)							
SELF-STUDY							
DAY 55 17-05-2025 (Saturday)							
		Pathology Assessment (Special Bacteriology) (09:00 to 10:00am)					
Hospital work				10.30-12.00			
DAY 56 19-05-2025 (Monday)							
24-07-2024		Forensic Assessment (09:00 to 10:00am)					
Hospital work				10.30-12.00			
DAY 57 20-05-2025 (Tuesday)							
SELF-STUDY							
Hospital work				10.30-12.00			
DAY 58 21-05-2025 (Wednesday)							
		Pharmacology Assessment (09:00 to 10:00am)					
Hospital work				10.30-12.00			

All lectures and assessment will be conducted in Forensic Lecture Theatre.

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RESPIRATORY SYSTEM (Session 2024-25)

DURATION 17-03-2025 To 12-04-2025

CONTACT HOURS Lectures 49 =33.75 hours (2.1) + Practical's + Hospital stay = 31.45 Hours (0.6)

CREDIT HOURS 2.7

TEACHING METHODOLOGIES Lectures/ Practical's / small group discussion/clinics

OBJECTIVES

The course is designed primarily for 4th year M.B.B.S students and will cover the fundamental aspects of inflammatory and neoplastic conditions of LUNGS & PLEURA. The interrelated clinical aspects of Medicine, Surgery, Eye, Ear, Nose and Throat and Gynecological problems will also be covered. By the end of the module, the students should be able to:

Discuss the Pathological and all clinical aspects of:

- Congenital Anomalies
- Tuberculosis
- Pulmonary infections
- Obstructive & Restrictive lung diseases
- Pulmonary edema
- Benign & malignant tumors of Lung, Pleura, Larynx
- Various related interventional techniques (Bronchoscopy, tracheostomy)
- Imaging

TIME		COURSE CONTENT	PLACE	LEARNING OUTCOME	Recommended books	DEPARTMENT/ Facilitator	DURATION
17-03-2025 Monday							
08:00 – 08:30	1.	Stridor				ENT	30 min
08:30 – 09:00	2.	Chicken pox and small pox		Epidemiology, Outbreak, Investigations and Five levels of prevention of Disease (Students will get full knowledge of disease determinants, distribution, dynamics, diagnostic investigations & effective preventive measures)		Community Medicine	30 min
09:00 – 09:30	3.	Topic Not Specified				Eye	30 min
Hospital work 10:10 a.m. to 1:00 p.m.							
18-03-2025 Tuesday							
08:00 – 08:30	4.	Topic Not Specified				Behavioral Sciences	30 min
08:30 – 09:00	5.	Congenital Anomalies Atelectasis, Pulmonary Edema				Pathology	30 min
09:00 – 09:30	6.	Management of respiratory failure				Anesthesia	30 min
HOSPITAL WORK 10:00 To 11:45						Community Lecture/Practical 11:45-1:00PM	
19-03-2025 Wednesday							
08:00 – 08:30	7.	Obstructive lung diseases		Clinical aspects		Chest Medicine	30 min
08:30 – 09:00	8.	Obstructive lung diseases		Pathogenesis, Morphology • Emphysema Chronic Bronchitis	Robbins & Cotrans	Pathology	30 min
09:00 – 09:30	9.	Measles and Mumps		Epidemiology, Outbreak, Investigations and Five levels of prevention of Disease		Community medicine	30 min
Hospital work 10:00 a.m. to 1:00 p.m.							
20-03-2025 Thursday							
08:00 – 08:30	10.	Physiological changes in Respiratory system in Pregnancy				Obstetrics & Gynecology	30 min
08:30 – 09:00	11.	Obstructive lung diseases		Pathogenesis& Morphology Asthma, Bronchiectasis	Robbins & Cotrans	Pathology	30 min

09:00 – 09:30	12.	Respiratory involvement in Systemic disorders		ILD, Vasculitis & Connective tissue disorders		Medicine	30 min
HOSPITAL WORK 10:00 To 11:45						Community Lecture /Practical 11:45-1:00PM	
21-03-2025 Friday							
08:00 – 08:30	13.	Respiratory Failure		Type I & II & Ventilator support		Medicine	30 min
08:30 – 09:00	14.	Pyogenic infections (Pneumococcal, H. influenzae, Meningococcal infections)		Epidemiology, Outbreak, Investigations and Five levels of prevention of Disease		Community medicine	30 min
09:00 – 09:30	15.	Perioperative management of Asthma & COPD & Post-operative pulmonary complications				Anesthesia	30 min
HOSPITAL WORK 10.10-12.00							
22-03-2025 Saturday							
08:00 – 08:30	16.	Empyema Thoracis				Surgery	30 min
08:30 – 09:00	17	Tracheostomy				ENT	30 min
09:00 – 09:30	18	Neurological causes of Type II Respiratory failure & Diagnostic approach				Neurology	30 min
Hospital work 10:10 a.m. to 1:00 p.m.							
24-03-2025 Monday							
08:00 – 08:30	19.	Bronchoscopy				ENT	30 min
08:30 – 09:00	20.	Restrictive Lung diseases		Pathogenesis & Morphology of Sarcoidosis Smoking related Interstitial diseases Feedback & Views of students in last 10mins about smoking	Robbins & Cotrans	Pathology	30 min
09:00 – 09:30	21.	Rubella & Influenza (Bird flu, SARS, MERS)		Epidemiology, Outbreak, Investigations and Five levels of prevention of Disease		Community medicine	30 min
Hospital work 10:10 a.m. to 1:00 p.m.							

25-03-2025 Tuesday							
08:00 – 08:30	22	Test				Pathology	30 min
08:30 – 09:00	23	Test				Pathology	30 min
09:00 – 09:30	24	Test				Pathology	30 min
Hospital Work 09:45a.m. To 11:00 a.m.							
PRACTICAL						Respective departments	11.45—1.00
26-03-2025 Wednesday							
08:00 – 08:30	25.	Pneumothorax		Presentation & management		Surgery	30 min
08:30 – 09:00	26.	Restrictive Lung diseases		Pathogenesis & Morphology of <ul style="list-style-type: none"> • Usual interstitial Pneumonia • Cryptogenic organizing Pneumonia • Pneumoconiosis • Silicosis • Asbestosis 	Robbins & Cotrans	Pathology	30 min
09:00 – 09:30	27.	Anthrax & Plague/ Bioterrorism		Epidemiology, Outbreak, Investigations and Five levels of prevention of Disease		Community medicine	30 min
HOSPITAL WORK 09:45 To 01:00							
27-03-2025 Thursday							
08:00 – 08:30	28.	Pneumonias & lung abscess		Diagnosis & Management		Chest Medicine	30 min
08:30 – 09:00	29.	Pulmonary Infections		Pathogenesis & Morphology of <ul style="list-style-type: none"> • Chronic Pneumonia/Tuberculosis • Community acquired Pneumonia • Hospital acquired Pneumonia 	Robbins & Cotrans	Pathology	30 min
09:00 – 09:30	30.	Tuberculosis		Epidemiology, Outbreak, Investigations and Five levels of prevention of Disease		Community Medicine	30 min

Hospital Work: 09: 45 to 11: 00 a.m.							
PRACTICAL						Respective departments	11.45—1.00
28-03-2025 Friday							
08:00 – 08:30	31.	Respiratory diseases in Pregnancy		<ul style="list-style-type: none"> • Asthma • Pulmonary edema 		Obstetrics & Gynecology	30 min
08:30 – 09:00	32.	Pulmonary Infections		Pathogenesis & Morphology of <ul style="list-style-type: none"> • Aspiration Pneumonia • Pneumonia in Immunocompromised patients Lung abscess	Robbins & Cotrans	Pathology	30 min
09:00 – 09:30	33.					Eye	30 min
Hospital Work: 09: 45 to 1: 00 a.m.							
29-03-2025 Saturday							
08:00 – 08:30	34.	Tumors of lung		Symptoms & investigations		Chest Medicine	30 min
08:30 – 09:00	35.	Tumors of lung		Pathogenesis, Morphology of <ul style="list-style-type: none"> • Carcinomas • Neuroendocrine tumors • Metastatic tumors 	Robbins & Cotrans	Pathology	30 min
09:00 – 09:30	36.	Mediastinal Masses		Clinical aspect & Management		Surgery	30 min
Hospital work: 09:45 a.m. to 1:00 p.m.							
Eid and Spring Holidays							
09-04-2025 Wednesday							
08:00 – 08:45	40.	Benign & malignant lesions of Larynx				ENT	45 min
08:45 – 09:30	41.	Diphtheria & Whooping cough		Epidemiology, Outbreak, Investigations and Five levels of prevention of Disease		Community medicine	45 min
09:30 – 10:15	42					Eye	45 min
Hospital work: 10.30-2.30							

10-04-2025 Thursday							
08:00 – 08:45	43.	Vascular Diseases of Lung		Pathogenesis, Morphology of <ul style="list-style-type: none"> • Pulmonary Embolism • Pulmonary Hypertension • Good Pasture syndrome • Wegener Granulomatosis 	Robbins & Cotrans	Pathology	45 min
08:45 – 09:30	44.	HIV/AIDS		Epidemiology, Outbreak, Investigations and Five levels of prevention of Disease		Community Medicine	45 min
09:30 – 10:15	45.	Relationship between stress, personality, emotions, immunity & respiratory illnesses				Behavioral Sciences	45 min
Hospital work				10.30-11.45			
PRACTICAL						Respective departments	12.00—2.30
11-04-2025 Friday							
08:00 – 08:45	46.	Chest wall Masses		Symptoms & investigations		Surgery	45 min
08:45 – 09:30	47.	Laryngeal Paralysis				ENT	45 min
09:30 – 10:15	48.	Management of type II respiratory failure associated with neurological diseases				Neurology	45 min
HOSPITAL WORK 10.30-12.00							
12-04-2025 Saturday							
08:00 – 08:45	49.	Diaphragm Hernias				Surgery	45 min
08:45 – 09:30	50.	Pleura		Pathogenesis & Morphology of <ul style="list-style-type: none"> • Pleural effusion • Pneumothorax • Pleural tumors 	Robbins & Cotrans	Pathology	45 min
09:30 – 10:15	51.	Lung Injury		•		Medicine	45 min
Hospital work: 10.30-2.30							

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MODULE

HAEMODYNAMICS

DURATION **DAYS (10-07-2025 to 24-07-2025)**

CONTACT HOURS Lectures 27 = 20.5 hours + Practicals = 20 Hours + Hospital stay = 9 hours

CREDIT HOURS 1.8

TEACHING METHODOLOGIES Lectures/Practicals/ small group discussion/clinics

LEARNING OBJECTIVES : This module is developed for 3rd year M.B:B.S students. It is intended to impart them core knowledge about the pathologies involved in haemodynamic circulation along with different pharmacological agents used to combat the clinical conditions. Students will also be introduced to clinical conditions which are encountered due to disturbances in haemodynamics. Lectures of forensic medicine and toxicology will also be included in this module.

By the end of the module the students should be able to :

1. Apply the knowledge of the biochemical and cellular physiology to discuss the pathogenic mechanisms resulting in alterations in haemodynamics and shock.
2. Describe the clinical manifestations associated with these pathologic changes.
3. Discuss the role of different pharmacological agents used in clinical conditions which arise due to disturbance in haemodynamics.

TIME		COURSE CONTENT	PLACE	LEARNING OUTCOME	Recommended books	DEPARTMENT/ Facilitator	DURATION
WEEK 1							
DAY 1 10-07-2025 (Thursday)							
8.00-8.45am	1	Accidents in home and environment :Death due to drowning				Forensic Medicine	45 mins

8.45-09.30am	2	Oedema , Ascites, hydrothorax and Anasarca		To be able to define and categorize edema according to various pathophysiological categories	Robbins Pathology	Pathology	45 min
9.30-10.15am	3	Diuretics		Student should be able to enumerate various diuretics and understand their routes of administration absorption, distribution, metabolism and excretion.	Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
Hospital work 10.30-12.00							
12.10—02.00		Practical		Batch C: Congestion of liver. Batch A : Small group discussion Batch B : Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 2 11-07-2025 (Friday)							
8.00-8.45 am	4.	Haematinics		To be able to define and differentiate between hyperemia, congestion		Pharmacology	45 mins
8.45-9.30am	5.	Hyperemia and congestion				Pathology	45 mins
9.30-10.15am	6.	Accidents in home and environment : Burns (Dry and Wet burns)		Student should have sound knowledge of different types of burns.		Forensic Medicine	45 min
10.30—12.00pm		PRACTICAL		Batch A: Pathology Batch B: Pharmacology Batch C: Forensic Medicine	Class divisible in three batches	Respective departments	
DAY 3 12-07-2025 (Saturday)							
8.00-8.45am	7.	Accidents in home and environment : Death due to starvation , Heat and cold effect		Students should be able to describe the effects of starvation and cold/ heat on body.		Forensic Medicine	45 mins
8.45-9.30am	8.					Pathology	45 mins
9.30-10.15am	9.	Coagulants				Pharmacology	45 min
10.15-11.00am	10.					Pharmacology	45 min
11.00-11.45am	11.					Medicine	45 min
11.45-12.30pm	12.					Surgery	45 min

12.45—02.30		PRACTICAL		Batch B : Congestion of liver Batch C : Small group discussion Batch A : Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 4 14-07-2025 (Monday)							
8.00-8.45am	13.	Shock Its pathophysiology, types (hypovlemic , cardiogenic, vasovagal and septic) , causes and compensatory mechanisms involved.			Robbins pathology	Pathology	45 mins
8.45-9.30am	14.	Haemorrhage			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
9.30-10.15am	15.	Arsenic poisoning				Forensic medicine	45 min
Hospital work 10.30-12.00							
12.10—02.00		PRACTICAL		Batch C: Pathology Batch A: Small group Discussion Batch B: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 5 15-07-2025 (Tuesday)							
8.00-8.45am	16.	Anticoagulants : Heparin (low molecular weight and unfractionated)		The use of anticoagulants in various clinical conditions	Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
8.45-9.30am	17	Infarction: Its types, morphological picture and differences between different types.				Pathology	45 min
9.30-10.15am	18	Mesenteric Ischaemia				Surgery	45 mins
Hospital work 10.30-12.00							
12.10-2.00pm		PRACTICAL		Batch A: Pathology Batch B: small group discussion Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	

DAY 6								16-07-2025 (Wednesday)							
8.00-8.45am	19	Overview of myocardial infarction				Medicine	45 mins								
8.45-9.30am	20					Orthopedics	45 min								
9.30-10.15am	21	Thrombosis: Etiology and pathogenesis, possible consequences. Differences between thrombi and clot.		To be able to define and differentiate various types of embolism	Robbins Pathology	Pathology	45 min								
Hospital work								10.30-12.00							
12.10 —02.00		PRACTICAL		Batch: B Pathology Batch: C Small group discussion Batch: A Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments									
DAY 7								17-07-2025 (Thursday)							
8.00-8.45am	22.	Thrombophlebitis , deep venous thrombosis				Surgery	45 min								
8.45-9.30am	23.	Fibrinolytics and antiplatelet drugs				Pharmacology	45 mins								
9.30-10.15am	24.	Vascular lesions of orbit / eye; AV Shunt/ Malformatins/ communications Carotico sinus thrombosis Cavernous sinus thrombosis Haemangioma of orbit/ eye				Eye	45 mins								
Hospital work 10: 30 to 12: 00 p.m.															
12: 10 —2:00		Practical		Batch C : Pathology Batch A : Small group discussion Batch B: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	Practical								
Day 08								18-07-2025 (Friday)							
8.00-8.45am	25	Embolism: Classification of emboli according to their composition. Differences between arterial and venous thrombi				Pathology	45 mins								
08.45-09.30am	26	Warfarin and other drugs				Pharmacology	45 mins								

09.30-10.15am	27	Complications of trauma : Thromboembolic phenomenon, haemorrhage, shock, Pulmonary, Air and fat embolism, Crush syndrome				Forensic medicine and toxicology	45 Mins
10.30— 12.00pm		Practical		Batch A : Pathology Batch B : Small group discussion Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
Day 09		19-07-2025 (Saturday)					
		Self-Study		Hospital Work (10:30 – 12.00pm)			
Day 10		21-07-2025 (Monday)					
		Pathology Assessment (Special Microbiology (09:00-10.00am)		Hospital Work (10:30 – 12.00pm)			
Day 11		22-07-2025 (Tuesday)					
		Pharmacology Assessment (09:00-10.00am)		Hospital Work (10:30 – 12.00pm)			
Day 12		23-07-2025 (Wednesday)					
		Self-Study		Hospital Work (10:30 – 12.00pm)			
Day 13		24-07-2025 (Thursday)					
		Forensic Assessment (09:00-10.00am)		Hospital Work (10:30 – 12.00pm)			

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HAEMODYNAMICS MODULE OF 3RD YEAR MBBS (10-07-2025 24-07-2025)

10-07-25	Thursday	Forensic Medicine	Pathology	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine
11-07-25	Friday	Pharmacology	Pathology	Forensic medicine	Practical Respective Department (10:30-12.00pm)			A: Pathology B: Pharmacology C: Forensic medicine
12-07-25	Saturday	Forensic medicine	Pathology	Pharmacology	Pharmacology (10.15-11.00 am)	Medicine 11.00-11.45am	Surgery (11.45-12.30)	B: Pathology C: Pharmacology A: Forensic medicine 12.45-02.30PM
14-07-25	Monday	Pathology	Pharmacology	Forensic Medicine	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine
15-07-25	Tuesday	Pharmacology	Pathology	surgery	Hospital work 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic medicine
16-07-25	Wednesday	Medicine	Orthopedics	Pathology	Hospital work 10.30-12.00pm			B: Pathology C: Pharmacology A: Forensic medicine
17-07-25	Thursday	Surgery	Pharmacology	EYE	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine
18-07-25	Friday	Pathology	Pharmacology	Forensic Medicine	Practical Respective Department (10:30-12.00pm)			A: Pharmacology B: Forensic C: Pathology
19-07-25	Saturday	Self-Study			Hospital work 10.30-12.00pm			
21-07-25	Monday	Pathology Assessment Special Bacteriology (9.00-10.00 am)			Hospital work 10.30-12.00pm			
22-07-25	Tuesday	Pharmacology Assessment (9.00-10.00 am)			Hospital work 10.30-12.00pm			
23-07-25	Wednesday	Self-Study			Hospital work 10.30-12.00pm			
24-07-25	Thursday	Forensic Assessment (9.00-10.00 am)			Hospital work 10.30-12.00pm			

3RD INTERMODULE (25-07-2025 to 13-08-2025)

Date	Day	8.00-8.45 am	8.45-9.30am	9.30-10.15am	Hospital work 10.30-12.00pm			Practical 12.10-2.00 pm
25-07-25	Fri	Pharmacology	Forensic medicine	Medicine	Hospital work 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine
26-07-25	Saturday	Pharmacology	Forensic medicine	Forensic medicine	Medicine (10.15-11.00 am)	Surgery 11.00-11.45am	ENT (11.45-12.30)	B: Pathology C:Pharmacology A: Forensic medicine (12.45-02.30pm)
28-07-25	Monday	Forensic medicine	Behavioral sciences	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
29-07-25	Tuesday	Pharmacology	Orthopaedics	Surgery	Hospital work 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine
30-07-25	Wednesday	Forensic medicine	Pharmacology	Behavioral sciences	Hospital work 10.30-12.00pm			B: Pathology C:Pharmacology A: Forensic medicine
31-07-25	Thursday	Pharmacology	Forensic Medicine	Surgery	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
01-08-25	Friday	Behavioral Sciences	Forensic Medicine	Pharmacology	Hospital work 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine
02-08-25	Saturday	Pharmacology	Forensic medicine	Pharmacology	Pharmacology (10.15-11.00 am)	Medicine 11.00-11.45am	Forensic Medicine (11.45-12.30)	B: Pathology C:Pharmacology A: Forensic medicine (12.45-02.30pm)
04-08-25	Monday	Pharmacology	Forensic medicine	Behavioural sciences	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine

05-08-25	Tuesday	Forensic medicine	Pharmacology	ENT	Hospital work 10.30-12.00pm	A: Pathology B:Pharmacology C: Forensic medicine
06-08-25	Wednesday	Forensic medicine	Pharmacology	Behavioral sciences	Hospital work 10.30-12.00pm	B: Pathology C:Pharmacology A: Forensic medicine
07-08-25	Thursday	Self-Study			Hospital work 10.30-12.00pm	
08-08-25	Friday	Pharmacology Assessment (9.00-10.00 am)			Hospital work 10.30-12.00pm	
09-08-25	Saturday	Self-Study			Hospital work 10.30-12.00pm	
11-08-25	Monday	Pathology Assessment (Virology, Parasitology & Hemodynamic) (9.00-10.00 am)			Hospital work 10.30-12.00pm	
12-08-25	Tuesday	Self-Study			Hospital work 10.30-12.00pm	
13-08-25	Wednesday	Forensic Assessment (9.00-10.00 am)			Hospital work 10.30-12.00pm	

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3RD INTERMODULE/BEHAVORIAL SCIENCES

DURATION 12 DAYS (25-07-2025 to 13-08-2025)

CONTACT HOURS Lectures =22 hours + Practicals = 22.50 Hours + Hospital stay = 10.5 HOURS

CREDIT HOURS 2

DAY 1							
25-07-25(Friday)							
8.00-8.45	1	CNS				Pharmacology	45 min
8.45-9.30	2	FORENSIC ASPECT OF VIOLENT ASPHYXIAL DEATHS; mechanism ,physio-chemico-pathological changes				Forensic Medicine	45 min
9.30-10.15	3		-	=	-	Medicine	45 min
10.30—12.00		PRACTICAL		BATCH A : Pathology Batch B: Pharmacology Batch C: Forensic Medicine	Class divisible in three batches	Respective departments	
DAY 2							
26-07-2025(Saturday)							
8.00-8.45	4	CNS			Basic and clinical pharmacology	Pharmacology	45 min
8.45-9.30	5	Autopsy findings (interpretation + cause of death)		smothering ,suffocation, ,strangulation ,hanging & Traumatic asphyxia		Forensic medicine	45 min
9.30-10.15	6	Surgical wounds			-	Forensic Medicine	45 min
10.15-11:00						Medicine	45 min
11.00-11.45						Surgery	45 min
11.45-12.30						ENT	45 min
12.45-02:30pm		PRACTICAL		BATCH B : Pathology Batch C: Pharmacology Batch A: Forensic Medicine	Class divisible in three batches	Respective departments	

DAY 3								28-07-2025 (Monday)	
8.00-8.45	7	Autopsy findings (interpretation + cause of death)		smothering ,suffocation, ,strangulation ,hanging & Traumatic asphyxia		Forensic medicine	45 min		
8.45-9.30	8	Alzeihmers disease				Behaviorial sciences	45 min		
9.30-10.15	9	CNS				Pharmacology	45 min		
Hospital work								10.30-12.00	
12:10-02:00pm		PRACTICAL		BATCH C: Pathology Batch A: Pharmacology Batch B:Forensic Medicine	Class divisible in three batches	Respective departments			
DAY 4								29-07-2025 (Tuesday)	
8.00-8.45	10	CNS				Pharmacology	45 min		
8.45-9.30	11					Orthopedics	45 min		
9.30-10.15	12	Surgical site infection				surgery	45 min		
Hospital work								10.30-12.00	
12.10—02.00		PRACTICAL		BATCH A : Pathology Batch B : Pharmacology Batch C : Forensic Medicine Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments			
DAY 5								30-07-2025 (Wednesday)	
8.00-8.45 am	13	MEDICOLEGAL ASPECTS OF SEX		Current laws regarding impotency ,sterility, marriage & sexual abuse	Robbins Pathology	Forensic medicine	45 min		
8.45-9.30	14	CNS				Pharmacology	45 min		
9.30-10.15	15	Mental health act				Behaviorial sciences	45 min		
Hospital work								10.30-12.00	
12.10—02.00		PRACTICAL		BATCH B: Pathology Batch C: Pharmacology Batch A: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments			

DAY 6								31-07-2025 (Thursday)							
8.00-8.45	19.	CNS				Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min							
8.45-9.30	20	Legal & ethical issues			regarding impotency ,sterility, marriage & sexual abuse		Forensic Medicine	45 MIN							
9.30-10.15	21	Skin closure techniques					surgery	45 min							
Hospital work								10.30-12.00							
12.10-02.00		PRACTICAL			Batch C : Pathology Batch A : Pharmacology Batch B : Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments								
DAY 7								01-08-2025 (Friday)							
8.00-8.45	22.	Ethics & professional sim					Behavioral sciences	45 min							
8.45-9.30	23.	Legal implications in cases of sexual assault					Forensic medicine	45 min							
9.30-10.15	24.	CNS				Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min							
10.30 — 12.00		PRACTICAL			Batch A: Pathology Batch B: Pharmacology Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	45 min							
DAY 8								02-08-2025 (Saturday)							
8.00-8.45	25.	CNS				Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min							
8.45-9.30	26.	Legal and ethical issues related to unwanted pregnancy					Forensic medicine	45 min							
9.30-10.15	27.						Pharmacology	45 min							
10.15-11.00							Pharmacology	45 min							

11.00-11.45						Medicine	45 min
11.45-12.30						Surgery	45 min
12.45-02.30		Practical		Batch B: Pathology Batch C: Pharmacology Batch A: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 9 04-08-2025 (Monday)							
8.00-8.45		CNS				Pharmacology	45 min
8.45-9.30		Criminal abortion; identification at autopsy				Forensic Medicine	45 min
9.30-10.15		Patient doctor relationship				Behavior Sciences	45 min
Hospital work 10.30-12.00							
12.10 — 02.00		PRACTICAL		Batch C: Pathology Batch A: Pharmacology Batch B: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 10 05-08-2025 (Tuesday)							
8.00-8.45		Procedure for collection preservation dispatch of specimen in cases of sexual assault				Forensic Medicine	45 min
8.45-9.30		CNS				Pharmacology	45 min
9.30-10.15						ENT	45 min
Hospital work 10.30-12.00							
12.10 — 02.00		PRACTICAL		Batch A: Pathology Batch B: Pharmacology Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	

DAY 11								06-08-2025 (Wednesday)									
8.00-8.45		Other medicolegal aspects of sex					Forensic Medicine	45 min									
8.45-9.30		CNS					Pharmacology	45 min									
9.30-10.15		Non communicable psychiatric illness					Behavioral Sciences	45 min									
Hospital work								10.30-12.00									
12.10 — 02.00		PRACTICAL		Batch B: Pathology Batch C: Pharmacology Batch A: Medicolegal/ autopsy/ analytical/serology/ radiological lab		Class divisible in three batches	Respective departments										
DAY 12								07-08-2025 (Thursday)									
		Self-study															
		Hospital Work															
DAY 13								08-08-2025 (Friday)									
		Pharmacology Assessment															
		Hospital Work															
DAY 14								09-08-2025 (Saturday)									
		Self-study															
		Hospital Work															
DAY 15								11-08-2025 (Monday)									
		Pathology Assessment (Virology, Parasitology & Hemodynamic)															
		Hospital Work															
DAY 16								12-08-2025 (Tuesday)									
		Self-study															
		Hospital Work															
DAY 17								13-08-2025 (Wednesday)									
		Forensic Assessment															
		Hospital Work															

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MUSCULOSKELETAL SYSTEM, 2025

DURATION 18 DAYS

Dated: 11-08-25 to 30-08-25

CONTACT HOURS Lectures 22 =16.5 hours (1) + Practical's + Hospital stay = 44 Hours (0.91)

CREDIT HOURS 2

TEACHING METHODOLOGIES Lectures/Practicals/ small group discussion/clinics

OBJECTIVES

The course is designed primarily for 4th year M.B.B.S students and will cover the fundamental aspects of inflammatory and neoplastic conditions of Bones, Joints & Soft tissue .The interrelated clinical aspects of Medicine, Surgery, Orthopaedics will be covered. The radiological aspects will also be dealt with. By the end of the module, the students should be able to:

1. Describe:

Basic structure & function of Bones, Joints & soft tissue

2. Discuss the Pathological and all clinical aspects of:

- Congenital bone diseases
- Acquired bone diseases
- Tumours of bones, joints & soft tissue
- Various types of Arthritis

TIME		COURSE CONTENT	PLACE	LEARNING OUTCOME	Recommended books	DEPARTMENT/ Facilitator	DURATION
11-8-25 Monday							
8:00-8:45	1					Orthopaedics	45 min
8:45-9:30	2	Developmental disorders of Bone & Cartilage		<ul style="list-style-type: none"> Metabolic disorders 	Robbins & Cotran	Pathology	45 min
9:30-10:15	3	Developmental dysplasia of bone		<ul style="list-style-type: none"> 		Radiology	45 min
Hospital work		10.30-2.30					
12-08-25 Tuesday							
8:00-8:45	4.	Rickets & Osteomalacia, Osteoporosis		Definition, Causes, Clinical Features, Investigations and management of Rickets & Osteomalacia. Definition, Causes, Clinical Features, Investigations and management of Osteoporosis	<ul style="list-style-type: none"> 	Medicine	45 min
8:45-9:30	5.	Metabolic & Degenerative bone diseases				Radiology	45 min
9:30-10:15	6.					Orthopaedics	45 min
Hospital work		10.30-11.45					
		PRACTICAL		<u>-- OVERVIEW</u> <u>-- PRACTICAL</u> <u>-- SMALL GROUP DISCUSSIONS</u>		Respective departments	12.00—2.30
13-08-25 Wednesday							
8:00-8:45	7.	Rickets & Osteomalacia		Definition, Causes, Clinical Features, Investigations and management of Rickets & Osteomalacia.	<ul style="list-style-type: none"> 	Medicine	45 min
8:45-9:30	8.			<ul style="list-style-type: none"> 		Orthopaedics	45 min
9:30-10:15	9.	Acquired Bone diseases		Pathophysiology of <ul style="list-style-type: none"> Osteoporosis Paget's disease 	Robbins & Cotran	Pathology	45 min
Hospital work		10.30-2.30					
14-08-25 Thursday (Holiday)							
15-08-25 Friday							
8:00-8:45	13.	Osteomyelitis		Surgical Aspects		Surgery	45 min
8:45-9:30	14	Fractures		<ul style="list-style-type: none"> 		Radiology	45 min

9:30-10:15	15	Bone tumours		• Bone and cartilage forming tumours	Robbins & Cotran	Pathology	45 min
HOSPITAL WORK 10.30-12.00							
16-08-25 Saturday							
8:00-8:45	16.	Basic principles of Fracture management		•		Surgery	45 min
8:45-9:30	17.	Multiple Myeloma		Definition, Causes, Clinical Features, Investigations and management of Multiple Myeloma	•	MEDICINE	
9:30-10:15	18.	Tumours of Bones				Radiology	45 min
HOSPITAL WORK 10.30-2.30							
18-08-25 Monday							
8:00-8:45		Arthritis		Etiology, Pathogenesis & Morphology with special emphasis over Osteoarthritis, Rheumatoid Arthritis	Robbins & Cotran	Pathology	45 min
8:45-9:30	21					Orthopedics	45 min
9:30-10:15	22	Hyperparathyroidism. Renal osteodystrophy		Definition, Causes, Clinical Features, Investigations and management of Hyperparathyroidism and Renal osteodystrophy		Medicine	
Hospital work 10.30-2.30							
19-08-25 Tuesday							
8:00-8:45	23					Orthopedics	45 min
8:45-9:30	24	Arthritis		Clinical features of Arthritis. Case scenario.....Rheumatoid arthritis	•	Medicine	45 min
9:30-10:15	25.	Inflammatory conditions		Bones & Joints		Radiology	45 min
Hospital work 10.30-11.45							
		PRACTICAL		Overview -- PRACTICAL --SMALL GROUP DISCUSSIONS		Respective departments	12.00—2.30
20-08-25 Wednesday							
8:00-8:45	26	Soft tissue infection				Surgery	45 min
8:45-9:30	27	Seronegative Arthritis		Seronegative Arthritis.....Case Scenarios.		Medicine	45 min
9:30-	28	Other types of arthritis				Pathology	45 min

10:15							
Hospital work 10.30-2.30							
21-08-25 Thursday							
8:00-8:45		Infectious arthritis & Crystal induced arthritis		Etiology, Pathogenesis & Morphology of Gout	Robbins & Cotran	Pathology	45 min
8:00-8:45	29.					Orthopedics	45 min
8:45-9:30	30.	Crystal Arthropathy		Definition, Causes, Clinical Features, Investigations and management of Crystal Arthropathy (Gout)	•	Medicine	45 min
Hospital work 10.30-11.45							
		PRACTICAL		Community medicine		Respective departments	12.00—2.30
22-08-25 Friday							
8:00-8:45	32.	Soft tissue tumors				Pathology	45 min
8:45-9:30	33	Soft tissue tumor				Radiology	45 min
9:30-10:15	33	Soft tissue tumors (Benign)		Surgical Aspects		Surgery	45 min
		HOSPITAL WORK				Respective departments	10.30-12.00
23-08-25 Saturday							
8:00-8:45	34.	Bone & soft tissue sarcomas Overview				Oncology	45 min
8:45-9:30	35.	Soft tissue tumor (Sarcoma)				Surgery	
9:30-10:15	36.					Orthopedics	45 min
Hospital work 10.30-2.30							
25-08-2025 Monday							
8:00-8:45	37					Orthopedics	45 min
8:45-9:30	38					Radiology	45 min
9:30-10:15	39					Surgery	45 min
Hospital work 10.30-2.30							

26-08-2025 Tuesday							
8:00-8:45	40					Medicine	45 min
8:45-9:30	41					Orthopedic	45 min
9:30-10:15	42					Radiology	45 min
Hospital work 10.30-11.45							
		PRACTICAL		Community medicine		Respective departments	12.00—2.30
27-08-2025 Wednesday							
8:00-8:45	43					Surgery	45 min
8:45-9:30	44					Medicine	45 min
9:30-10:15	45					Orthopedic	45 min
Hospital work 10.30-2.30							
28-08-2025 Thursday							
8:00-8:45	46					Pathology	45 min
8:45-9:30	47					Surgery	45 min
9:30-10:15	48					Radiology	45 min
Hospital work 10.30-11.45							
		PRACTICAL		Community medicine		Respective departments	12.00—2.30
29-08-2025 Friday							
8:00-8:45	49					Medicine	45 min
8:45-9:30	50					Oncology	45 min
9:30-10:15	51					Orthopedics	45 min
HOSPITAL WORK 10.30-12.00							
30-08-2025 Saturday							
8:00-8:45	52					Oncology	45 min
8:45-9:30	53					Surgery	45 min

9:30-10:15	54					Radiology	45 min
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All lectures will be conducted in Maqboold Ahmad, Block of KEMU, Lahore.

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TIME TABLE OF 3rd YEAR MBBS (4th Intermodule)
15-08-2025 to 10-09-2025

Date	Day	8.00-8.45 am	8.45-9.30am	9.30-10.15am	Hospital work			Practical 12.10-2.00 pm
15-08-25	Friday	Pathology	Medicine	Pharmacology	Practicals Respective Departments (10:30-12:00pm)			A: Pathology B:Pharmacology C: Forensic medicine
16-08-25	Saturday	Medicine	Pathology	Pharmacology	Pharmacology 10:15-11:00	Medicine 11:00-11:45	Surgery 11:45-12:30	B: Pathology C:Pharmacology A: Forensic medicine 12:45PM-02:30PM
18-08-25	Monday	Ophthalmology	Pharmacology	Pathology	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
19-08-25	Tuesday	Pharmacology	Orthopedics	ENT	Hospital work 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine
20-08-25	Wednesday	Pharmacology	Pharmacology	Orthopedics	Hospital work 10.30-12.00pm			B: Pathology C: Pharmacology A: Forensic medicine
21-08-25	Thursday	Pharmacology	Orthopedics	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
22-08-25	Friday	Pharmacology	Ophthalmology	Pathology	Practicals Respective Departments (10:30-12:00pm)			A: Pathology B:Pharmacology C: Forensic medicine
23-08-25	Saturday	Pathology	Ophthalmology	Pharmacology	Pharmacology 10:15-11:00	Orthopedics 11:00-11:45	ENT 11:45-12:30	B: Pathology C:Pharmacology A: Forensic medicine 12:45PM-02:30PM
25-08-25	Monday	Ophthalmology	Pathology	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A:Pharmacology B: Forensic medicine
26-08-25	Tuesday	Pharmacology	Pharmacology	Pathology	Hospital work 10.30-12.00pm			A: Pathology B:Pharmacology C: Forensic medicine

27-08-25	Wednesday	Pharmacology	Pathology	Pharmacology	Hospital work 10.30-12.00pm			B: Pathology C: Pharmacology A: Forensic medicine
28-08-25	Thursday	ENT	Pathology	Pharmacology	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine
29-08-25	Friday	Pharmacology	Ophthalmology	Pharmacology	Practicals Respective Departments (10:30-12:00pm)			A: Pathology B: Pharmacology C: Forensic medicine
30-08-25	Saturday	Pharmacology	Surgery	Pharmacology	Pharmacology 10:15-11:00	Orthopedics 11:00-11:45	ENT 11:45-12:30	B: Pathology C: Pharmacology A: Forensic medicine 12:45PM-02:30PM
01-09-25	Monday	Ophthalmology	Pharmacology	ENT	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine
02-09-25	Tuesday	Pharmacology	Surgery	Orthopedics	Hospital work 10.30-12.00pm			A: Pathology B: Pharmacology C: Forensic medicine
03-09-25	Wednesday	Surgery	Orthopedics	ENT	Hospital work 10.30-12.00pm			C: Pathology A: Pharmacology B: Forensic medicine

04-09-25	Thursday	SELF-STUDY	Hospital work 10.30-12.00pm
05-09-25	Friday	Pharmacology Assessment	Hospital work 10.30-12.00pm
06-09-25	Saturday	SELF-STUDY	Hospital work 10.30-12.00pm
08-09-25	Monday	Pathology Assessment	Hospital work 10.30-12.00pm
09-09-25	Tuesday	SELF-STUDY	Hospital work 10.30-12.00pm
10-09-25	Wednesday	Forensic Assessment	Hospital work 10.30-12.00pm

All lectures and assessment will be conducted in Forensic Lecture Theatre.

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TIME TABLE OF 3rd YEAR MBBS (4th Intermodule)

24-10-2022 to 26-10-2022

Date	Day	8.00-8.45 am	8.45-9.30am	9.30-10.15am	Practical 10:30-12:30 p.m.
24-10-22	Monday	Ophthalmology	Forensic Medicine	ENT	Batch: B Squamous Cell Carcinoma
25-10-22	Tuesday	PHARMACOLOGY CLASS TEST		Ortho	Batch: B Batch: C Leiomyoma
26-10-22	Wednesday	Surgery	Orthopedics	ENT	

All lectures and assessment will be conducted in Library Hall in Patiala Block.

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4TH INTERMODULE

DURATION 15 DAYS

CONTACT HOURS Lectures =44 hours + Practicals= 44.50 Hours + Hospital stay = 20.5 HOURS

CREDIT HOURS 4

DAY 1 (15-08-2025) Friday							
8.00-8.45	1.				Robbins Pathology	Pathology	45 min
8.45-9.30	2.	Symptoms of Immunological /connective tissue disorders		CASE SCENARIOS: Monoarthritis Polyarthritis SLE Disorders of calcium metabolism		Medicine	45 Min
9.30-10.15	3.	Endocrinology				Pharmacology	45 min
10.30-12.00		PRACTICAL		BATCH A: Pathology Batch B: Pharmacology Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 2 (16-08-2025) Saturday							
8.00-08.45	3.	Symptoms of Endocrinology Disorders & Diabetes				Medicine	45 Min
8.45-09.30	4.					Pathology	45 Min
9.30-10.15	5.					Pharmacology	45 Min
10.15-11.00						Pharmacology	45 Min
11.00-11.45						Medicine	45 Min
11.45-12.30						Surgery	45 Min

12.45-02.30		Practical		BATCH B: Small Group Discussion Batch C: Pharmacology Batch A: Medicolegal / autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective Departments	
DAY 3 (18-08-2025) Monday							
8.00-8.45	9.					Ophthalmology	45 min
8.45-9.30	10.	Endocrinology			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	
9.30-10.15	11.					Pathology	45 min
Hospital Work (10.30 – 12.00)							
12.10-02.00		Practical		BATCH C: Small Group Discussion Batch A: Pharmacology Batch B: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective Departments	
DAY 4 (19-08-2025) Tuesday							
8.00-8.45	12.					Pharmacology	
8.45-9.30	13.					Orthopedics	
9.30-10.15	14.	ENT INFECTIONS		MTB , Cornebacterium diphtheria		ENT	45 min
Hospital Work (10.30 – 12.00)							
12.10-02.00		PRACTICAL		Batch A: small group discussions Batch B: Pharmacology Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 5 (20-08-2025) Wednesday							
8.00-8.45	15.	Endocrinology				Pharmacology	45 min
8.45-9.30	16.					Pharmacology	45 min
9.30-10.15	17.					Orthopaedics	45 min

Hospital Work (10.30 – 12.00)							
12.10-02.00		Practical		Batch C: small group discussions Batch C : Pharmacology Batch A: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 6 (21-08-2025) Thursday							
8.00-8.45	18.	GIT			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
8.45-9.30	19.					Orthopedics	45 min
9.30-10.15	20.	Revision				Pharmacology	45 min
Hospital Work (10.30 – 12.00)							
12.10-02:00		Practical		Batch C : small group discussions Batch A: Pharmacology Batch B: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 7 (22-08-2025) Friday							
8.00-8.45	21.	GIT				Pharmacology	45 min
8.45-9.30	22.					Ophthalmology	45 min
9.30-10.15	23.					Pathology	45 min
10.30-12.00		Practical		Batch A: pathology: Batch B: Pharmacology Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 8 (23-08-2025) Saturday							
8.00-8.45	24.					Pathology	45 min
8.45-9.30	25.					Ophthalmology	45 min
9.30-10.15	26.					Pharmacology	45 min

10.15-11.00						Pharmacology	45 min
11.00-11.45						Ophthalmology	45 min
11.45-12.30						ENT	45 min
12.45-02.30		PRACTICAL		BATCH B: Pathology Batch C: Pharmacology Batch A: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 9 (25-08-2025) Monday							
8.00-8.45	30.					Ophthalmology	45 min
8.45-9.30	31.					Pathology	45 min
9.30-10.15	32.	GIT				Pharmacology	45 min
Hospital work 10.30-12.00							
12.10-02.00		PRACTICAL		Batch C: Pathology Batch A : Pharmacology Batch B: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 10 (26-08-2025) Tuesday							
8.00-8.45	33.					Pharmacology	45 min
8.45-9.30	34.	GIT			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
9.30-10.15	35.					Pathology	45 min
Hospital work 10.30-12.00							
12.10 -02.00		PRACTICAL		Batch A: Pathology Batch B: Pharmacology Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 11 (27-08-2025) Wednesday							
8.00-8.45	36.					Pharmacology	45 min
8.45-9.30	37.					Pathology	45

9.30-10.15	38.					Pharmacology	45 min
Hospital work 10.30-12.00							
12.1-02.00		Practical		Batch B small group discussions Batch C : Pharmacology practical Batch A : Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 12 (28-08-2025) Thursday							
8.00-8.45	39.					ENT	45 min
8.45-9.30	40.					Pathology	45 min
9.30-10.15	41.	GIT				Basic & clinical pharmacology 12 th edition Katzung	45 min
Hospital work 10.30-12.00							
12.10-02.00		PRACTICAL		Batch C : small group discussions Batch A : Pharmacology practical Batch B : Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 13 (29-08-2025) Friday							
8.00-8.45	42.	GIT				Pharmacology	45 min
8.45-9.30	43.					Ophthalmology	45 min
9.30-10.15	44.	GIT				Pharmacology	45 min
10.30-12:00		PRACTICAL		Batch A : Pathology Batch B : Pharmacology practical Batch C : Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 14 (30-08-2025) Saturday							
8.00-8.45	45.	GIT				Pharmacology	45 min
8.45-9.30	46.					Surgery	45 min
9.30-10.15	47.					Pharmacology	45 min
10.15-11.00						Pharmacology	45 min
11.00-11.45						Orthopedics	45 min

11.45-12.30						ENT	45 min
12.45-02.30		PRACTICAL		Batch B : small group discussions Batch C : Pharmacology practical Batch A : Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 15 (01-09-2025) Monday							
8.00-8.45	39.					Ophthalmology	45 min
8.45-9.30	40.					Pharmacology	45 min
9.30-10.15	41.					ENT	45 min
Hospital work 10.30-12.00							
12.10-02.00		PRACTICAL		Batch C : Pathology Batch A : Pharmacology practical Batch B : Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 16 (02-09-2025) Tuesday							
8.00-8.45						Pharmacology	45 Min
8.45-9.30						Surgery	45 Min
9.30-10.15						Orthopedics	45 Min
Hospital work 10.30-12.00							
12.10-02:00		PRACTICAL		Batch A : Pathology Batch B : Pharmacology practical Batch C : Medicolegal/ autopsy/ analytical/serology/ radiological lab			
DAY 17 (03-09-2025) Wednesday							
8.00-8.45	39.					Surgery	45 min
8.45-9.30	40.					Orthopedics	45 min
9.30-10.15	41.					ENT	45 min

Hospital work				10.30-12.00			
12.10-02.00		PRACTICAL		Batch B: Pathology Batch C: Pharmacology practical Batch A: Medicolegal/ autopsy/ analytical/serology/ radiological lab			
DAY 18 (04-09-2025) Thursday							
SELF-STUDY					Hospital Work (10.30-12.00pm)		
DAY 19 (05-09-2025) Friday							
Pharmacology Assessment				Hospital Work (10.30-12.00pm)			
DAY 20 (06-09-2025) Saturday							
SELF-STUDY					Hospital Work (10.30-12.00pm)		
DAY 21 (08-09-2025) Monday							
Pharmacology Assessment					Hospital Work (10.30-12.00pm)		
DAY 22 (09-09-2025) Tuesday							
SELF-STUDY					Hospital Work (10.30-12.00pm)		
DAY 23 (10-09-2025) Wednesday							
Forensic Medicine Assessment					Hospital Work (10.30-12.00pm)		

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MODULE

NEOPLASIA

DURATION **9 DAYS (11-09-2025 to 20-09-2025)**

CONTACT HOURS Lectures =22.5 hours + Practicals =22.50 Hours + Hospital stay = 10.5 HOURS

CREDIT HOURS = 2.0

TEACHING METHODOLOGIES Lectures/Practicals/clinics

OBJECTIVES

The course is designed primarily for 3rd year M.B;B.S students and will cover the fundamental aspects of NEOPLASIA and the pharmacology of antineoplastic drugs with interrelated clinical aspects of Medicine, Surgery, Orthopedics ,Eye , Ear, Nose and Throat. By the end of the module, the students should be able to :

1. Describe:

- The differences between Benign and Malignant neoplasms
- Epidemiology of Cancer
- Neoplastic conditions of orbit , eyelid and ENT
- Molecular genetics of Neoplasia

2. Discuss the role of:

Chemotherapy, anticancer drug development, Neoplasia cell burden, Cell cycle Kinetics, resistance to cytotoxic drugs

3. Clinical aspects of neoplasia :

Cancer Cachexia, Para neoplastic syndrome

4. Diagnosis , staging and surgical intervention

TIME		COURSE CONTENT	PLACE	LEARNING OUTCOME	Recommended books	DEPARTMENT	FACILITATOR
DAY 1 11-09-2025 (Thursday)							
8.00-8.45	1	Introduction to Neoplasia		The students should be able to define the terms : Neoplasia , dysplasia , metaplasia, anaplasia, They should be familiar with the nomenclature of neoplasia	Robbins Pathology	Pathology	45 min
8.45-9.30	2	Evolution of pre malignant conditions into malignancy : case scenario of Colonic CA developing in ulcerative colitis				Medicine	
9.30-10.15	3	Introduction to Cancer chemotherapy, anticancer drug development, Neoplasia cell burden, Cell cycle Kinetics, resistance to cytotoxic drugs			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
Hospital work 10.30-12.00							
12:10-02:00		Practical		Batch C: Fibroadenoma, Leiomyoma Batch A: Pharmacology Batch B: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 2 12-09-2025 (Friday)							
8.00-8.45	4.	Basic Pharmacology of cancer chemotherapeutic drugs, Polyfunctional alkylating agents, antimetabolites, antibiotics and hormonal agents			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
8.45-9.30	5.	Benign and malignant neoplasms		The students should be able to: Enumerate the differences between benign and malignant neoplasms . Describe the process of metastasis		Pathology	45 min
9.30-10.15	6.	Epidemiology of cancer				Community Medicine	45 min

10.30-12.00		PRACTICAL		Batch A: Fibroadenoma, Leiomyoma, Lipoma Batch B : Pharmacology Batch C: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
13-09-2025 (Supplementary 1st Modular Assessment of 3rd year only for supply students (10:00am to 12:00noon Topics: General Microbiology, Inflammation, Cell Injury & Repair and Genetics							
DAY 4				15-09-2025 (Monday)			
8.00-8.45	10.	Clinical presentations of common neoplastic conditions				Medicine	45 mins
8.45-9.30	11.	Molecular genetics of cancer : Role of tumor suppressor genes : RB gene and P53			Robbins Pathology	Pathology	45 min
9.30-10.15	12.	Basic Pharmacology of cancer chemotherapeutic drugs, Polyfunctional alkylating agents, antimetabolites, antibiotics and hormonal agents			Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
Hospital work				10.30-12.00			
12.10-02.00		PRACTICAL		Batch C: Fibroadenoma, Leiomyoma, Lipoma Batch A: Pharmacology Batch B: Medicolegal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 5				16-09-2025 (Tuesday)			
8.00-8.45	13.	Causes and screening for neoplasia				Surgery	45 min
8.45-9.30	14.	Molecular genetics of cancer : Role of tumor suppressor genes : APC ,WTN, NF1			Robbins pathology	Pathology	45 min
9.30-10.15	15					Orthopedics	45 min
Hospital work				10.30-12.00			
12.10—2.00		PRACTICAL		BATCH A: Squamous cell carcinoma Batch B: Pharmacology Batch C: Medico legal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	

DAY 6				17-09-2025 (Wednesday)			
8.00-8.45	16.	Squamous cell carcinoma of Larynx				ENT	45 min
8.45-9.30	17	Diagnosis , staging and surgical intervention				Surgery	45 min
9.30-10.15	18	Warburg effect, evasion of apoptosis , limitless replicative potential of neoplastic cells				Pathology	45 min
Hospital work				10.30-12.00			
12.10-2.00		PRACTICAL		Batch B: Squamous cell carcinoma Batch C: Pharmacology Batch A: Medico legal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 7				18-09-24 (Thursday)			
8.00-8.45	19.				Basic and clinical pharmacology 12 th edition katzung	Pharmacology	45 min
8.45-9.30	20.	Evasion of host defense : Role of tumor antigens				Pathology	45 min
9.30-10.15	21.	Introduction to chemotherapy and Radiotherapy , overview of tumor lysis syndrome				Oncology	45 min
Hospital work				10.30-12.00			
12.10 — 2.00		PRACTICAL		Batch C: Squamous cell carcinoma Batch A: Pharmacology Batch B: Medico legal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 8				19-09-2025 (Friday)			
8.00-8.45	22.	Genomic instability, cancer enabling inflammation				Pathology	45 min
8.45-9.30	23.	Breaking the bad news				Behavioural sciences	
9.30-10.15	24.	Carcinogens : Chemical , radiation			Robbins Pathology	Pathology	45 min

10.30— 12.00		Practical		Batch A: Basal cell carcinoma Batch B: Pharmacology Batch C: Medico legal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	
DAY 9 20-09-2025(Saturday)							
8.00-8.45	25.	Clinical aspects of neoplasia : Cancer Cachexia , Para neoplastic syndrome			Basic and clinical pharmacology 12 th edition katzung	Medicine	45 min
8.45-9.30	26.	Microbial carcinogens		EBV, HEP-B VIRUS		Pathology	45 min
9.30-10.15	27.					Pharmacology	45 Min
10.15-11.00						EYE	
11.00-11.45						ENT	
11.45-12.30						Pathology	
12.45— 02.30pm		Practical		Batch B: Basal cell carcinoma Batch C: Pharmacology Batch A: Medico legal/ autopsy/ analytical/serology/ radiological lab	Class divisible in three batches	Respective departments	

All lectures will be conducted in Forensic Medicine lectures hall.

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TIME TABLE OF 3RD YEAR MBBS (NEOPLASIA), 2025

NEOPLASIA MODULE								
Date	Day	Time (08:00-08:45am)	Time (08:45-09:30am)	Time (09:30-10:15am)	Hospital Works		Practicals (12:10-02:00)	
11-09-25	Thursday	Pathology	Medicine	Pharmacology	Hospital work 10.30-12.00pm		C: Pathology A:Pharmacology B: Forensic medicine	
12-09-25	Friday	Pharmacology	Pathology	Community Medicine	Respective Department Practical (10:30-12:00pm)		A: Pathology B:Pharmacology C: Forensic medicine	
13-09-2025 (Supplementary 1st Modular Assessment of 3rd year only for supply students (10:00am to 12:00noon Topics: General Microbiology, Inflammation, Cell Injury & Repair and Genetics								
15-09-25	Monday	Medicine	Pathology	Pharmacology	Hospital work 10.30-12.00pm		C: Pathology A:Pharmacology B: Forensic medicine	
16-09-25	Tuesday	Surgery	Pathology	Orthopedics	Hospital work 10.30-12.00pm		A: Pathology B:Pharmacology C: Forensic medicine	
17-09-25	Wednesday	ENT	Surgery	Pathology	Hospital work (10.30-12.00pm)		B: Pathology C:Pharmacology A: Forensic medicine	
18-09-25	Thursday	Pharmacology	Pathology	Oncology	Hospital work (10.30-12.00pm)		C: Pathology A:Pharmacology B: Forensic medicine	
19-09-25	Friday	Pathology	Behavioural Sciences	Pathology	Respective Department Practical (10:30-12:00pm)		A: Pathology B:Pharmacology C: Forensic medicine	
20-09-25	Saturday	Medicine	Pathology	Pharmacology	EYE 10:15- 11:00am	ENT 11:00- 11:45am	Pathology 11:45- 12:30pm	B: Pathology C:Pharmacology A: Forensic medicine (12:45-02:30PM)

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**TABLE OF SPECIFICATIONS (TOS) FOR 3RD PROFESSIONAL EXAMINATION
GENERAL PATHOLOGY AND MICROBIOLOGY**

Total marks: 135

(MCQs Marks: 45 & SEQs Marks: 90)

Sr. No.	Topics	MCQs (30) 1.5 Marks each	SEQs (10) 09 Marks each
01	Cell & cell cycle	02	01
02	Cell injury & cellular adaptations	02	
03	Genetics	02	01
04	Healing & Repair	01	
05	General Bacteriology	02	01
06	Special Bacteriology	05	02
07	Virology	02	01
08	Parasitology	02	
09	Mycology	02	01
10	Hemodynamics	02	
11	Inflammation	02	01
12	Neoplasia	02	01
13	Immunity	02	01
14	Diseases of infancy & childhood	01	
15	Environmental & Nutritional diseases	01	

Recommended Books:

- **Pathological Basis of Disease: Robins & Cortan (09th /updated edition)**
- **Review of Medical Microbiology & Immunology by Warren Levinson (16th / updated edition)**