

AETCOM DISTRIBUTION FOR PHASE II MBBS 2023-2024		
AETCOM NUMBER	HOURS ALLOTTED	DATE
2.1 (a)	1 hour	06/01/2024
2.1 (b)	2 hours	6/01/2024, 30/03/2024
2.1 (c)	1.5 hours	30/03/2024
2.1 (d)	0.5 hour	30/03/2024
AETCOM 2.1 -Total: 6 hours		
2.3	2 hours	27/04/2023
AETCOM 2.3 - Total: 2 hours		

PANDEMIC MODULE DISTRIBUTION FOR PHASE II MBBS 2023-2024		
PANDEMIC MODULE NUMBER	HOURS ALLOTTED	DATE
2.1 (a, b)	2 hours	25/05/2024
2.1 (c, d)	2 hours	10/06/2024
Pandemic Module 2.1 - Total: 4 hours		
2.3 (a)	1 hour	13/06/2023, 14/06/2024 (Two Batches)
2.3 (b)	1 hour	13/06/2023, 14/06/2024 (Two Batches)
2.3 (c)	1 hour	17/06/2024, 18/06/2024 (Two Batches)
2.3 (d)	2 hours	17/06/2024, 18/06/2024, 20/06/2024, 21/06/2024 (Two Batches)
2.3 (e)	1 hours	20/06/2024, 21/06/2024
Pandemic Module 2.3 - Total: 6 hours		

LIST OF LECTURES AND PRACTICALS FOR PHASE II MBBS BATCH 2023- 2024

TOPIC	LECTURES	PRACTICAL	
General Microbiology	1. Introduction and History of Microbiology	1. Introduction to Microbiology and Microscopy	
	2. Microscopy		
General Bacteriology	3. Morphology of Bacteria	2. Morphology and Physiology of Bacteria	
	4. Physiology of Bacteria		
	5. Normal Flora		
	6. Specimen Collection, Transport	3. Specimen collection and Transport for Bacterial infections	
	7. Culture Media	4. Simple Staining	
	8. Culture Methods		
	9. Biochemical Identification	5. Gram Staining	
	10. Bacterial Genetics	6. Culture Media	
	11. Antimicrobial agents and Antimicrobial Susceptibility Testing: Disk Diffusion Methods	7. Identification of Bacteria (Conventional and Automated)	
	12. Antimicrobial Susceptibility Testing: Broth Dilution and Agar dilution Methods		
	13. Automated methods for Bacterial Identification and AMST		
	14. Molecular Diagnosis and Typing Methods	8. Antimicrobial Susceptibility Testing (Conventional and Automated)	
	General Virology	15. General Virology Part 1: Intro, Classification, Replication, Pathogenesis	10. Laboratory Diagnosis of Viral Infections
		16. General Virology Part 2: Laboratory Diagnosis	
SDL 1: General Virology Part 3: Overview of Viral Infections and Bacteriophages			
General	17. General Mycology: Part 1	11. Laboratory Diagnosis of Fungal Infections	
	18. General Mycology: Part 2		

Mycology		
General Parasitology	19. General Parasitology: Part1	12. Laboratory Diagnosis of Parasitic Infections
	20. General Parasitology: Part2	
Immunology	21. Epidemiology of Infectious Disease	13. Indirect Methods of Infectious disease Diagnosis (Immunological Tests)
	22. Immunity (Innate and Acquired)	
	SDL 2: Antigen	
	23. Antibody	
	24. Antigen-Antibody Reactions: Part 1 (Conventional Methods)	
	25. Antigen-Antibody Reactions:2 (Newer Methods)	
	26. Complement	
	27. Structural and Functional Components of Immune System: Part 1	
	28. Structural and Functional Components of Immune System: Part 2	
	29. Immune Response: Humoral/Antibody Mediated	
	30. Immune Response: CMI	
	31. Hypersensitivity: Type I and Type II	
	32. Hypersensitivity: Type III and Type IV	
	33. Autoimmunity	
	34. Immunodeficiency Disorders	
	35. Transplant and Cancer Immunology	
36. Immunoprophylaxis and National Immunization Schedule (SDL)		
Hospital Infection Control	37. Sterilization	14. Sterilization and Disinfection
	38. Disinfection	
	SDL 3: Biomedical Waste Management	
	39. Health Care Associated: Definitions, Standard	15. Hand Hygiene, PPE and CSSD Visit

	Precautions and Transmission Based Precautions	
	40. Types Of Healthcare Associated Infections	16. BMW management and Needle Stick Injury
	41. Antimicrobial Stewardship	
Cardiovascular and Blood Stream Infections	42. Infective Syndromes of CVS and Blood Stream	17. Lab Diagnosis of RHD, IE, Sepsis and CRBSI
	43. Pyrexia Of Unknown Origin (SDL)	
	44. Rheumatic fever and Rheumatic Heart Disease	
	45. Infective Endocarditis	18. Lab Diagnosis of Enteric Fever
	46. Enteric Fever	
	SDL 4: Rickettsial Infection and Brucellosis	19. Lab Diagnosis of Brucellosis, Scrubtyphus, Leptospirosis
	47. Leptospirosis and Borreliosis	
	48. Viral Hemorrhagic Fever with Special emphasis On Dengue Fever	
	49. HIV/AIDS	20. Lab Diagnosis of Dengue Fever and HIV/AIDS
	50. Malaria and Babesiosis	21. Peripheral Blood Smear and Lab Diagnosis of Malaria
	51. Visceral Leishmaniasis and Trypanosomiasis	
	52. Filariasis (Lymphatics)	22. Lab Diagnosis of Leishmaniasis and Filariasis
	53. Systemic Candidiasis and Systemic Mycoses	23. Lab Diagnosis of Systemic Candidiasis and Mycoses
Gastrointestinal System	54. Infective Syndrome of Gastrointestinal System	24. Lab Diagnosis of Diarrhoea Part 1: Bacterial
	55. Agents Of Food Poisoning: B.cerus, Non Typhoidal Salmonella	
	56. Agents Of Food Poisoning: Staphylococcus, Botulinum,	
	57. Agents of Diarrhea Part 1: Diarrheagenic E. coli	
	58. Agents Of Diarrhea Part 2: Vibrio cholerae and Aeromonas	
	SDL 5: Miscellaneous Bacterial Infections: Helicobacter,	

	Campylobacter, C. difficile	
	59. Agents of Diarrhea Part 3: Viral Diarrhea	25. Lab Diagnosis of Diarrhoea Part 2: Viral Diarrhea and Coccidian Parasites and ZN Staining
	60. Agents Of Diarrhea Part 4: Giardia, Coccidian Parasites,	
	61. Agents of Dysentery Part 1: Bacillary (Shigella and Other Bacteria)	26. Lab Diagnosis of Dysentery
	62. Agents of Dysentery Part 2: Amoebic (Entamoeba Histolytica)	
	63. Intestinal Helminthic Infections Part 1: Cestodes and Trematodes	27. Lab Diagnosis of Intestinal Helminthic Infections and Stool Examination
	64. Intestinal Helminthic Infections Part 2: Nematodes (Ascaris)	
	65. Intestinal Helminthic Infections Part 3: Nematodes (Ancylostoma)	
	66. Intestinal Helminthic Infections Part 4: Nematodes (Enterobius and Trichuris, Strongyloidiasis)	
Hepatobiliary Infections	67. Infective Syndromes of Hepatobiliary System	28. Lab Diagnosis of Hepatobiliary Infections
	68. Viral Hepatitis: Hep B and Hep C	
	69. Viral Hepatitis: Hep A, Hep D, Hep E, Yellow Fever	
	SDL 6: Parasitic Infections: Amoebic Liver Abscess, Liver flukes	
	70. Parasitic Infections: Hydatid disease (Echinococcus)	
Skin, Soft tissue and Musculoskeletal Infections	71. Infective syndromes of Skin, Soft tissue, and Musculoskeletal Infections	29. Lab Diagnosis of Skin and Soft Tissue infections Part 1: Bacterial and Viral
	72. Staphylococcus Skin Infections	
	73. Beta-hemolytic Streptococcal Infections	
	74. Gas Gangrene	
	75. Leprosy	
	SDL 7: Miscellaneous: Infection due to non-Sporing Anaerobes	
	76. Anthrax	

	77. Miscellaneous: Actinomycosis, Nocardiosis	
	78. Viral Exanthems and Cutaneous Viral Infections I: Herpes Simplex and Varicella	30. Lab Diagnosis of Skin and Soft Tissue infections Part 1: Parasitic and Fungal
	79. Viral Exanthems and Cutaneous Viral Infections II: Parvovirus, Human Papilloma Virus, and Pox virus	
	80. Viral Exanthems and Cutaneous Viral Infections III: Measles, Rubella, Hand- Foot-Mouth disease	
	81. Parasitic Infections I: Tissue Nematodes, Cysticercosis	
	82. Parasitic Infections II: Cutaneous Leishmaniasis, Cutaneous Larva Migrans	
	83. Superficial mycoses (Tinea, Dermatophytoses)	
	84. Subcutaneous mycoses (Eumycetoma, Sporotrichosis, Rhinosporidiosis, Chromoblastomycosis)	
Respiratory Infections	85. Infective syndromes of Respiratory Tract Infections	32. Lab Diagnosis of URTI
	86. Agents of URTI: Streptococcus pyogenes, Bordetella pertussis, Epstein Barr Virus	
	87. Agents of URTI: C.diphtheriae	
	88. Agents Of Typical (Lobar Pneumonia) Part 1: S.pneumoniae, H.influenzae,	33. Lab Diagnosis Of LRTI
	89. Agents Of Typical (Lobar Pneumonia) Part 2: Staphylococcal, Rare organisms (Pulmonary anthrax and Pneumonic plague)	
	90. Agents Of Typical (Lobar Pneumonia) Part 3: GNB	

	(Klebsiella, Enterobacter, Serratia)	
	SDL 8: Agents of Atypical (Interstitial Pneumonia) Bacterial: Chlamydia, Mycoplasma and Legionella	
	91. Agents of Atypical (Interstitial Pneumonia) Viral: Influenza, Parainfluenza, Mumps, RSV	34. ZN Staining and Lab Diagnosis of Pulmonary Tuberculosis
	92. Agents of LRTI: Corona Virus Infection: Including COVID 19	
	93. Agents of LRTI: Pulmonary Tuberculosis	
	94. Parasitic Respiratory Infections (Paragonimiasis, Tropical Pulmonary Eosinophilia)	
	95. Fungal Respiratory Infections (PCP, Zygomycosis and Aspergillosis)	
	96. Infective syndromes of Central Nervous System	
Central Nervous System Infections	97. Acute Bacterial Meningitis: N.meningitidis, S.pneumoniae, S. agalactiae, H.influenzae, Listeria	
	98. Agents Of Chronic Meningitis: Tubercular Meningitis, Cryptococcal Meningitis Neurosyphilis, Lyme's Disease	
	SDL 9: Tetanus	36. Lab Diagnosis of Encephalitis
	99. Viral Meningitis and Viral Encephalitis	
	100. Polio	
	101. Rabies	
	102. Parasitic Infections of CNS (Naegleria, Acanthamoeba and Toxoplasma)	
Urogenital Infections	103. Infective syndromes of Urinary Tract Infections: Introduction, Etiology, Clinical Features,	37. Lab Diagnosis of Urinary Tract Infections

	Pathogenesis	
	104. Lab Diagnosis of UTI	
	105. Ulcerative Genital Diseases: Syphilis (<i>Treponema pallidum</i>)	38. Lab Diagnosis of Sexually Transmitted Infections
	106. Ulcerative Genital Diseases: Chancroid, Genital Herpes, LGV and Donovanosis	
	107. Gonorrhoea	
	108. Non-Gonococcal Urethritis (Chlamydia, Bacterial Vaginosis, Candida, <i>Trichomonas vaginalis</i>)	
	109. Infections Caused Due to Non fermenter GNB: <i>Pseudomonas</i> , <i>Acinetobacter</i> , <i>Burkholderia</i>	
Miscellaneous topics	SDL 10: Non-Tuberculous Mycobacteria	
	110. Zoonotic Infections	
	111. Microbial agents of Bioterrorism	
	112. Infections Acquired by Vertical Transmission/ Congenital Infections	
	113. Transfusion transmitted and Transplant Infections	
	114. Ocular and Ear Infections	
	115. Emerging and Re-Emerging Infections	
	116. Opportunistic Infections	
	117. Vector- borne Infections and Ectoparasite Infestation	
	118. Environmental Surveillance: Air, Water and Milk	

SELF DIRECTED LEARNING TOPIC LIST

PHASE II MBBS 2023-2024

Sr. No.	SDL Topic	Date
SDL 1	General Virology Part 3: Overview of Viral Infections and Bacteriophages	02/02/2024
SDL 2	Antigen	23/02/2024
SDL 3	Biomedical Waste Management	06/04/2024
SDL 4	Rickettsia Infection and Brucellosis	08/05/2024
SDL 5	Miscellaneous Bacterial Infections: Helicobacter, Campylobacter, C. difficile	21/06/2024
SDL 6	Parasitic Infections: Amoebic Liver Abscess, Liver flukes	15/07/2024
SDL 7	Miscellaneous: Infection due to non-Sporing Anaerobes	14/08/2024
SDL 8	Agents of Atypical (Interstitial Pneumonia) Bacterial: Chlamydia, Mycoplasma and Legionella	13/09/2024
SDL 9	Tetanus	28/09/2024
SDL 10	Non-Tuberculous Mycobacteria	19/10/2024