

SAMBHRAM INSTITUTE OF MEDICAL SCIENCES AND RESEA, K.G.F

DEPARTMENT OF MICROBIOLOGY

THEORY FOR 2nd phase MBBS STUDENTS

SL NO	DATE	THEORY TOPIC	FACULTY
		INTRODUCTION	
1	21-09-2017	Introduction to Microbiology and Infectious Diseases-1	Dr T M Nandan
2	22-09-2017	Introduction to Microbiology and Infectious Diseases-2	Dr T M Nandan
3	26-09-2017	History of Microbiology-1	Dr Subbalakshmi
4	28-09-2017	History of Microbiology-2	Dr Subbalakshmi
		GENERAL MICROBIOLOGY	
5	03-10-2017	Definitions in Microbiology and Infectious Diseases	Mr Manoj
6	05-10-2017	Normal microbial flora of the human body	Dr T M Nandan
7	06-10-2017	Routes of infection and spread	Dr T M Nandan
8	10-10-2017	Morphology of bacterial cell: clinically important-1	Dr Subbalakshmi
9	12-10-2017	Morphology of bacterial cell: clinically important-2	Dr Subbalakshmi
10	13-10-2017	Physiology of bacteria: growth requirements	Mr Manoj
11	17-10-2017	Culture media	Dr (Col)Abhinandan Kalghatgi
12	19-10-2017	Culture methods	Dr T M Nandan
13	24-10-2017	Identification of Bacteria	Dr Subbalakshmi
14	26-10-2017	Bacteriocins and bacteriophages	Mr. Amar Kumar
15	27-10-2017	Sterilization-1	Mr Manoj
16	31-10-2017	Sterilization-2	Dr (Col)Abhinandan Kalghatgi
17	02-11-2017	Disinfection-1	Dr T M Nandan
18	03-11-2017	Disinfection-2	Dr Subbalakshmi
19	07-11-2017	Antimicrobials-1	Mr. Amar Kumar
20	09-11-2017	Antimicrobials-2	Mr Manoj
21	10-11-2017	Bacterial genetics-1	Dr (Col)Abhinandan Kalghatgi
22	14-11-2017	Bacterial genetics-2	Dr T M Nandan
		IMMUNOLOGY	
23	16-11-2017	Introduction to immunology	Dr Subbalakshmi
24	17-11-2017	Structure and Functions of the Immune System-1	Mr. Amar Kumar
25	21-11-2017	Structure and Functions of the Immune System-2	Mr Manoj
26	23-11-2017	Complements	Dr (Col)Abhinandan Kalghatgi
27	24-11-2017	Antigens	Dr T M Nandan
28	28-11-2017	Antibodies	Dr Subbalakshmi
29	30-11-2017	Immune Response-1	Mr. Amar Kumar
30	01-12-2017	Immune Response-2	Mr Manoj

31	05-12-2017	Antigen-Antibody Reactions: clinically important- 1	Dr (Col)Abhinandan Kalghatgi
32	07-12-2017	Antigen-Antibody Reactions: clinically important- 2	Dr T M Nandan
33	08-12-2017	Hypersensitivity-1	Dr Subbalakshmi
34	12-12-2017	Hypersensitivity-2	Mr. Amar Kumar
35	14-12-2017	Autoimmunity	Mr Manoj
36	15-12-2017	Immunodeficiency Diseases-1	Dr (Col)Abhinandan Kalghatgi
37	19-12-2017	Immunodeficiency Diseases-2	Dr T M Nandan
38	21-12-2017	Immunology of Transplantation.	Dr Subbalakshmi
39	22-12-2017	Immunology of Malignancy.	Mr. Amar Kumar
		SYSTEMATIC BACTERIOLOGY	
40	26-12-2017	Staphylococcus-1	Mr Manoj
41	28-12-2017	Staphylococcus-2	Dr (Col)Abhinandan Kalghatgi
42	29-12-2017	Streptococcus-1	Dr T M Nandan
43	02-01-2018	Streptococcus-2	Dr Subbalakshmi
44	04-01-2018	Streptococcus pneumoniae	Mr. Amar Kumar
45	05-01-2018	Neisseria-1	Mr Manoj
46	09-01-2018	Neisseria-2	Dr (Col)Abhinandan Kalghatgi
47	11-01-2018	Corynebacterium	Dr T M Nandan
48	12-01-2018	Bacillus-1	Dr Subbalakshmi
49	16-01-2018	Bacillus-2	Mr. Amar Kumar
50	18-01-2018	Anaerobic Bacteria I: Clostridium-1	Mr Manoj
51	19-01-2018	Anaerobic Bacteria I: Clostridium-2	Dr (Col)Abhinandan Kalghatgi
		1st INTERNAL ASSESSMENT-23-1-2018	
52	30-01-2018	Anaerobic Bacteria II: Non-sporing Anaerobes	Dr T M Nandan
53	01-02-2018	Enterobacteriaceae I: Coliforms-Proteus-1	Dr Subbalakshmi
54	05-02-2018	Enterobacteriaceae I: Coliforms-Proteus-2	Mr. Amar Kumar
55	07-02-2018	Enterobacteriaceae II:Shigella	Mr Manoj
56	08-02-2018	Enterobacteriaceae III: Salmonella-1	Dr (Col)Abhinandan Kalghatgi
57	12-02-2018	Enterobacteriaceae III: Salmonella-2	Dr T M Nandan
58	14-02-2018	Vibrio	Dr Subbalakshmi
59	15-02-2018	Pseudomonas	Mr. Amar Kumar
60	19-02-2018	Yersinia, Pasteurella, Francisella	Mr Manoj
61	21-02-2018	Haemophilus	Dr (Col)Abhinandan Kalghatgi
62	22-02-2018	Bordetella	Dr T M Nandan
63	26-02-2018	Brucella	Dr Subbalakshmi
64	28-02-2018	Mycobacterium I: M.tuberculosis-1	Mr. Amar Kumar
65	01-03-2018	Mycobacterium I: M.tuberculosis-2	Mr Manoj
66	05-03-2018	Mycobacterium II:Non-Tuberculous Mycobacteria (NTM)	Dr (Col)Abhinandan Kalghatgi
67	07-03-2018	Mycobacterium III: M.leprae	Dr T M Nandan
68	08-03-2018	Spirochetes-1	Dr Subbalakshmi

69	12-03-2018	Spirochetes-2	Mr. Amar Kumar
70	14-03-2018	Mycoplasma	Mr Manoj
71	15-03-2018	Actinomycetes	Dr (Col)Abhinandan Kalghatgi
72	19-03-2018	Miscellaneous Bacteria-1	Dr T M Nandan
73	21-03-2018	Miscellaneous Bacteria-2	Dr Subbalakshmi
74	22-03-2018	Rickettsiaceae-1	Mr. Amar Kumar
75	26-03-2018	Rickettsiaceae-2	Mr Manoj
76	28-03-2018	Chlamydiae-1	Dr (Col)Abhinandan Kalghatgi
77	02-04-2018	Chlamydiae-2	Dr T M Nandan
		VIROLOGY	
78	04-04-2018	General Properties of Viruses	Dr Subbalakshmi
79	05-04-2018	Virus-Host Interactions: Viral Infections	Mr. Amar Kumar
80	09-04-2018	Poxviruses and Bacteriophages	Mr Manoj
81	11-04-2018	Herpesviruses-1	Dr (Col)Abhinandan Kalghatgi
82	12-04-2018	Herpesviruses-2	Dr T M Nandan
83	16-04-2018	Adenoviruses	Dr Subbalakshmi
84	19-04-2018	Picornaviruses-1	Mr. Amar Kumar
85	23-04-2018	Picornaviruses-2 and Adenoviruses	Mr Manoj
86	25-04-2018	Orthomyxoviruses-1	Dr (Col)Abhinandan Kalghatgi
87	26-04-2018	Orthomyxoviruses-2	Dr T M Nandan
88	30-04-2018	Paramyxoviruses-1	Dr Subbalakshmi
89	14-05-2018	Paramyxoviruses-2	Mr. Amar Kumar
90	16-05-2018	Arboviruses-1	Mr Manoj
91	17-05-2018	Arboviruses-2	Dr (Col)Abhinandan Kalghatgi
92	21-05-2018	Rhabdoviruses	Dr T M Nandan
93	23-05-2018	Hepatitis Viruses-1	Dr Subbalakshmi
94	24-05-2018	Hepatitis Viruses-2	Mr. Amar Kumar
95	28-05-2018	Miscellaneous Viruses	Mr Manoj
96	30-05-2018	Oncogenic Viruses	Dr (Col)Abhinandan Kalghatgi
97	31-05-2018	Human Immunodeficiency Virus: AIDS	Dr T M Nandan
		MEDICAL MYCOLOGY	
98	04-06-2018	General Aspects	Dr Subbalakshmi
99	06-06-2018	Superficial Mycoses	Mr. Amar Kumar
100	07-06-2018	Systemic Mycoses	Mr Manoj
101	11-06-2018	Subcutaneous Mycoses	Dr (Col)Abhinandan Kalghatgi
102	13-06-2018	Opportunistic Mycoses	Dr T M Nandan
		PARASITOLOGY	

103	14-06-2018	General Parasitology	Dr Subbalakshmi
104	18-06-2018	Entamoeba histolytica	Mr. Amar Kumar
105	20-06-2018	Free living amebae	Mr Manoj
		2ND INTERNAL ASSESSMENT-26-6-2018	
106	02-07-2018	Plasmodium	Dr (Col)Abhinandan Kalghatgi
107	04-07-2018	Toxoplasma gondii	Dr T M Nandan
108	09-07-2018	Leishmania	Dr Subbalakshmi
109	11-07-2018	Trypanosomes	Mr. Amar Kumar
110	16-07-2018	Giardia and Trichomonas	Mr Manoj
111	18-07-2018	Opportunistic protozoa	Dr (Col)Abhinandan Kalghatgi
112	23-07-2018	General Helminthology	Dr T M Nandan
113	25-07-2018	Ascaris lumbricoides	Dr Subbalakshmi
114	30-07-2018	Hookworm	Mr. Amar Kumar
115	01-08-2018	Enterobius vermicularis	Mr Manoj
116	06-08-2018	Filarial nematodes	Dr (Col)Abhinandan Kalghatgi
117	08-08-2018	Miscellaneous nematodes	Dr T M Nandan
118	13-08-2018	Taenia species	Dr Subbalakshmi
119	20-08-2018	Echinococcus granulosus	Mr. Amar Kumar
120	27-08-2018	Hymenolepis nana	Mr Manoj
121	29-08-2018	Diphyllobothrium latum	Dr (Col)Abhinandan Kalghatgi
122	03-09-2018	Schistosomes	Dr T M Nandan
123	05-09-2018	Hepatic trematodes	Dr Subbalakshmi
124	10-09-2018	Intestinal and lung trematodes	Mr. Amar Kumar
		APPLIED MICROBIOLOGY	
125	12-09-2018	Bacteriology of Water, Air, Milk and Food	Mr Manoj
126	17-09-2018	Immunoprophylaxis	Dr (Col)Abhinandan Kalghatgi
127	19-09-2018	Healthcare-associated Infections	Dr T M Nandan
		CLINICAL MICROBIOLOGY	
128	24-09-2018	Bloodstream Infections	Dr Subbalakshmi
129	26-09-2018	Respiratory Tract Infections	Mr. Amar Kumar
130	01-10-2018	Meningitis	Mr Manoj
131	03-10-2018	Sexually Transmitted Infections	Dr (Col)Abhinandan Kalghatgi
		NOVEMBER ONWARDS: REVISION, TUTORIALS AND INTEGRATED TEACHING	

		3RD INTERNAL ASSESSMENT-12-12-2018	

RECOMMENDED BOOKS

1. Ananthanarayan : (Ananthanarayan and Jayaram Paniker's) Textbook of Microbiology, Et. & Orient Longman Ltd., Chennai.
2. Jawetz (Melnick) et al, Medical Microbiology, ed. Z Appleton and Lange, USA.
3. Zinsser (Joklik and Willett) et. Al, Microbiology, Appleton and Lange, USA.
4. Chatterjee (KDC), Parasitology, Chatterjee Medical Publishers, Calcutta.
5. Paniker (C.K. Jayaram), Text book of Medical Parasitology, Jaypee, New Delhi.
6. Bhatia and Ichhpujani, Essential of Medical Microbiology, Jaypee, New Delhi.
7. A text book of Microbiology by Chakraborty, New Delhi.

DEPARTMENT OF MICROBIOLOGY
PRACTICAL FOR 2nd phase MBBS STUDENTS

SL NO	DATE	PRACTICAL TOPIC	FACULTY
		SECTION A: GENERAL MICROBIOLOGY	
1	26-09-2017	Introduction to practical Microbiology - Batch B	Dr T M Nandan
2	27-09-2017	Introduction to practical Microbiology - Batch A	Dr T M Nandan
3	03-10-2017	Standard precautions - Batch B	Dr Subbalakshmi
4	04-10-2017	Standard precautions - Batch A	Dr Subbalakshmi
5	10-10-2017	Biomedical waste management - Batch B	Mr Manoj
6	11-10-2017	Biomedical waste management - Batch A	Mr Manoj
7	17-10-2017	Demonstration of equipment for sterilization and disinfection - Batch B	Dr T M Nandan
8	24-10-2017	Demonstration of equipment for sterilization and disinfection - Batch A	Dr T M Nandan
9	25-10-2017	Demonstration of instruments - Batch B	Dr Subbalakshmi
10	31-10-2017	Demonstration of instruments - Batch A	Dr Subbalakshmi
11	07-11-2017	Demonstration of equipment and instruments – revision - Batch B	Ms Tushara
12	08-11-2017	Demonstration of equipment and instruments – revision - Batch A	Ms Tushara
13	14-11-2017	Microscopes - Batch B	Dr (Col)Abhinandan Kalghatgi
14	15-11-2017	Microscopes - Batch A	Dr (Col)Abhinandan Kalghatgi
		SECTION B: GENERAL BACTERIOLOGY	
15	21-11-2017	Demonstration of hanging drop - Batch B	Mr. Amar Kumar
16	22-11-2017	Demonstration of hanging drop - Batch A	Mr. Amar Kumar
17	28-11-2017	Staining procedures Gram's - Batch B	Dr T M Nandan
18	29-11-2017	Staining procedures, Gram's - Batch A	Dr T M Nandan
19	05-12-2017	Staining procedures, Gram's revision - Batch B	Mr Manoj
20	06-12-2017	Staining procedures, Gram's revision - Batch A	Mr Manoj
21	12-12-2017	Staining procedures, ZN - Batch B	Dr Subbalakshmi
22	13-12-2017	Staining procedures, ZN - Batch A	Dr Subbalakshmi
23	19-12-2017	Staining procedures, ZN revision - Batch B	Ms Tushara
24	20-12-2017	Staining procedures, ZN revision - Batch A	Ms Tushara
25	26-12-2017	Staining procedures, Albert's demonstration - Batch B	Dr Ashok
26	27-12-2017	Staining procedures, Albert's demonstration - Batch A	Dr Jayashree
27	02-01-2018	Demonstration of bacteriology slides - Batch B	Dr (Col)Abhinandan Kalghatgi
28	03-01-2018	Demonstration of bacteriology slides - Batch A	Dr (Col)Abhinandan Kalghatgi
29	09-01-2018	Demonstration of bacteriology slides - revision - Batch B	Dr Ashok
30	10-01-2018	Demonstration of bacteriology slides - revision - Batch A	Dr Jayashree
31	16-01-2018	Demonstration of culture media without growth - Batch B	Mr. Amar Kumar
32	17-01-2018	Demonstration of culture media without growth - Batch A	Mr. Amar Kumar

		1st INTERNAL ASSESSMENT	
	30-01-2018		
		1st INTERNAL ASSESSMENT	
	31-01-2018		
		1st INTERNAL ASSESSMENT	
	06-02-2018		
		1st INTERNAL ASSESSMENT	
	07-02-2018		
33	14-02-2018	Demonstration of culture media with growth - Batch B	Dr T M Nandan
34	20-02-2018	Demonstration of culture media with growth - Batch A	Dr T M Nandan
35	21-02-2018	Demonstration of culture media - revision - Batch B	Dr Ashok
36	27-02-2018	Demonstration of culture media - revision - Batch A	Dr Jayashree
		SECTION C: CLINICAL BACTERIOLOGY	
37	28-02-2018	Demonstration of biochemical tests for identification of bacteria Batch B	Dr Subbalakshmi
38	06-03-2018	Demonstration of biochemical tests for identification of bacteria- Batch A	Dr Subbalakshmi
39	07-03-2018	Demonstration of biochemical tests for identification of bacteria - revision - Batch B	Ms Tushara
40	13-03-2018	Demonstration of biochemical tests for identification of bacteria - revision - Batch A	Ms Tushara
		LABORATORY-DIAGNOSIS OF COMMON BACTERIAL INFECTIOUS DISEASES	
41	14-03-2018	Pyogenic infection- Batch B	Dr (Col)Abhinandan Kalghatgi
42	20-03-2018	Pyogenic infection- Batch A	Dr (Col)Abhinandan Kalghatgi
43	21-03-2018	Pyogenic infection - revision - Batch B	Dr Ashok
44	27-03-2018	Pyogenic infection - revision - Batch A	Dr Jayashree
45	28-03-2018	Enteric fever- Batch B	Dr T M Nandan
46	03-04-2018	Enteric fever- Batch A	Dr T M Nandan
47	04-04-2018	Enteric fever- revision - revision - Batch B	Mr Manoj
48	10-04-2018	Enteric fever- Batch A - revision - Batch A	Mr Manoj
49	11-04-2018	Bacillary dysentery- Batch B	Ms Tushara
50	17-04-2018	Bacillary dysentery- Batch A	Ms Tushara
51	24-04-2018	Bacillary dysentery - revision - Batch B	Dr Ashok
52	25-04-2018	Bacillary dysentery - revision - Batch A	Dr Jayashree
53	15-05-2018	Cholera- Batch B	Mr. Amar Kumar
54	16-05-2018	Cholera- Batch A	Mr. Amar Kumar
55	22-05-2018	Cholera- revision - Batch B	Dr Ashok
56	23-05-2018	Cholera - revision - Batch A	Dr Jayashree
57	29-05-2018	U.T.I.- Batch B	Dr (Col)Abhinandan Kalghatgi

58	30-05-2018	U.T.I.- Batch A	Dr (Col)Abhinandan Kalghatgi
59	05-06-2018	U.T.I.- revision - Batch B	Mr. Amar Kumar
60	06-06-2018	U.T.I.- revision - Batch A	Mr. Amar Kumar
61	12-06-2018	Infantile diarrhoea - Batch B	Dr T M Nandan
62	13-06-2018	Infantile diarrhoea- Batch A	Dr T M Nandan
63	19-06-2018	Infantile diarrhoea - revision - Batch B	Ms Tushara
64	20-06-2018	Infantile diarrhoea - revision - Batch A	Ms Tushara
65	26-06-2018	Tuberculosis- Batch B	Dr Subbalakshmi
66	27-06-2018	Tuberculosis- Batch A	Dr Subbalakshmi
	03-07-2018	2ND INTERNAL ASSESSMENT	
	04-07-2018	2ND INTERNAL ASSESSMENT	
	10-07-2018	2ND INTERNAL ASSESSMENT	
	11-07-2018	2ND INTERNAL ASSESSMENT	
67	17-07-2018	Tuberculosis - revision - Batch B	Dr Ashok
68	18-07-2018	Tuberculosis - revision - Batch A	Dr Jayashree
		SECTION D: CLINICAL VIROLOGY	
69	24-07-2018	Routes of inoculation in embryonated eggs (chart) Batch B	Mr Manoj
70	25-07-2018	Routes of inoculation in embryonated eggs (chart) Batch A	Mr Manoj
71	31-07-2018	Viral haemagglutination (chart) Batch B	Dr (Col)Abhinandan Kalghatgi
72	01-08-2018	Viral haemagglutination (chart) Batch A	Dr (Col)Abhinandan Kalghatgi
73	07-08-2018	Demonstration of virology slides Batch B	Dr T M Nandan
74	08-08-2018	Demonstration of virology slides Batch A	Dr T M Nandan
		SECTION E: CLINICAL SEROLOGY	
75	14-08-2018	Demonstration of serological tests-1 (immunological) Batch B	Ms Tushara
76	21-08-2018	Demonstration of serological tests-1 (immunological) Batch A	Ms Tushara
77	28-08-2018	Demonstration of serological tests-2 (bacteriological) Batch B	Mr. Amar Kumar
78	29-08-2018	Demonstration of serological tests-2 (bacteriological) Batch A	Mr. Amar Kumar
79	04-09-2018	Demonstration of serological tests-3 (virological) Batch B	Dr T M Nandan
80	05-09-2018	Demonstration of serological tests-3 (virological) Batch A	Dr T M Nandan

SECTION F: CLINICAL MYCOLOGY			
81	11-09-2018	Demonstration of fungal culture media and fungal staining Batch B	Dr Subbalakshmi
82	12-09-2018	Demonstration of fungal culture media and fungal staining Batch A	Dr Subbalakshmi
83	18-09-2018	Demonstration of fungal cultures and slides Batch B	Dr (Col)Abhinandan Kalghatgi
84	19-09-2018	Demonstration of fungal cultures and slides Batch A	Dr (Col)Abhinandan Kalghatgi
85	25-09-2018	Demonstration of fungal slide culture fungal slides Batch B	Mr Manoj
86	26-09-2018	Demonstration of fungal slide culture fungal slides Batch A	Mr Manoj
SECTION G: CLINICAL PARASITOLOGY			
87	03-10-2018	Demonstration of helminthology specimens and slides Batch B	Dr T M Nandan
88	09-10-2018	Demonstration of helminthology specimens and slides Batch A	Dr T M Nandan
89	10-10-2018	Examination of faeces for Parasites Batch B	Ms Tushara
90	16-10-2018	Examination of faeces for Parasites Batch A	Ms Tushara
91	17-10-2018	Demonstration of protozoology slides Batch B	Dr Subbalakshmi
92	23-10-2018	Demonstration of protozoology slides Batch A	Dr Subbalakshmi
SECTION H: LABORATORY ANIMALS			
93	30-10-2018	Uses of laboratory animals-charts Batch B	Mr. Amar Kumar
94	31-10-2018	Uses of laboratory animals-charts Batch A	Mr. Amar Kumar
	07-11-2018	3RD INTERNAL ASSESSMENT	
	13-11-2018	3RD INTERNAL ASSESSMENT	
	14-11-2018	3RD INTERNAL ASSESSMENT	
	20-11-2018	3RD INTERNAL ASSESSMENT	
	27-11-2018	3RD INTERNAL ASSESSMENT	
RECOMMENDED BOOKS			
1. Textbook of Practical Microbiology by Subhash Chandra Parija.			