

Theory- 200 HOURS

Sl. No.	Tentative dates	Topic/ Lesson no.	Theory topics for teaching & discussion	Name of the Faculty	Hours Allotted
		1	GENERAL PATHOLOGY- (50 HOURS)		
		1.1	CELL INJURY- (8 HOURS)		
1	03-10-2020	1.1.1	Cell injury-Definition, acquired causes	DR.URH	1
2	10-10-2020	1.1.2	Hydropic change- Definition, aetiology, pathogenesis, morphology	DR.URH	1
3	17-10-2020	1.1.3	Pathogenesis of Ischaemia- Reperfusion injury	DR.URH	1
4	07-11-2020	1.1.4	Hyaline change- Intracellular and extracellular hyaline examples	DR.URH	1
5	21-11-2020	1.1.5	Mucoid change- Epithelial and connective tissue mucin examples. Pathogenesis of ischaemic and hypoxic injury	DR.URH	1
6	28-11-2020	1.1.6	Effects of radiation- Mechanism of cell injury by ionizing radiation. Fatty change in liver- Aetiology, pathogenesis, morphologic features	DR.URH	1
7	05-12-2020	1.1.7	Necrosis- Definition, types, aetiology, morphology. Apoptosis in physiologic and pathologic processes	DR.URH	1
8	12-12-2020	1.1.8	Gangrene- Definition, Dry gangrene & Wet gangrene: Aetiology, morphologic features. Gas gangrene- Aetiology, morphologic features. Metastatic calcification- Aetiology, pathogenesis, sites of metastatic calcification, Difference between dystrophic and metastatic calcification	DR.URH	1
			CELLULAR ADAPTATIONS- (2 HOURS)		
9	05-12-2020	1.1.9	Atrophy, Hyperplasia, Hypertrophy. Metaplasia- Definition, types with examples	DR.URH	1
10	12-12-2020	1.1.10	Dysplasia- Definition, Cytologic changes with common examples, Differences between Metaplasia and Dysplasia	DR.URH	1
		1.2	INFLAMMATION- (12 HOURS)		
11	25-11-2020	1.2.1	Inflammation- Definition, causes, signs, types	DR.SRS	1
12	27-11-2020	1.2.2	Acute inflammation- Vascular events, Cellular events	DR.SRS	1
13	02-12-2020	1.2.3	Morphologic types of acute inflammation with Eg.	DR.SRS	1
14	04-12-2020	1.2.4	Outcome of acute inflammation Systemic effects of acute inflammation	DR.SRS	1
15	09-12-2020	1.2.5	Chronic inflammation- Definition, causes, general features, types	DR.SRS	1
16	11-12-2020	1.2.6	Pyrexia- Definition, pathogenesis	DR.SRS	1
17	16-12-2020	1.2.7	Giant cells- Types, examples Granuloma- Definition, pathogenesis, description	DR.SRS	1
18	18-12-2020	1.2.8	Chemical mediators of inflammation- List of chemical mediators, source & functions of mediators. Inflammatory cells- Functions.	DR.SRS	1



			Factors determining variation in inflammatory response		
19	23-12-2020	1.2.9	Regeneration- Cell cycle and different types of cells Healing & Repair- Definition Repair- Processes involved in repair	DR.SRS	1
20	30-12-2020	1.2.10	Wound healing- Healing by First intention and Second intention, Differences between Primary and Secondary union of wounds	DR.SRS	1
21	01-01-2021	1.2.11	Factors influencing wound healing, Complications of wound healing	DR.SRS	1
22	06-01-2021	1.2.12	Chronic inflammation	DR.SRS	1
23	29-05-2021	1.2.13	Leprosy- (1 Hour)	DR.SRS	1
		1.3	THROMBOSIS- INTRODUCTION TO HEMODYNAMIC (2 HOURS)		
24	07-10-2020	1.3.1	Definition, pathogenesis, morphological features	DR.SRS	1
25	09-10-2020	1.3.2	Origin of thrombi- Cardiac, arterial, venous with Eg.	DR.SRS	1
26	14-10-2020	1.3.3	Embolism- (1 Hour) Definition, types, pulmonary thromboembolism, fat, air, decompression sickness, amniotic fluid, tumour & athero embolism, sources of arterial and venous embolism	DR.SRS	1
		1.4	OEDEMA- (2 HOURS)		
27	16-10-2020	1.4.1	Definition, types, pathogenesis of oedema with examples by each mechanism	DR.SRS	1
28	21-10-2020	1.4.2	Difference between transudate and exudate. Renal oedema, difference between nephritic and nephritic oedema, Cardiac oedema with pathogenesis. Pulmonary and cerebral oedema	DR.SRS	1
		1.5	DISORDERS OF METABOLISM (1 HOUR)		
29	08-05-2021	1.5.1	Disorders of Calcium, Bilirubin metabolism	DR.URH	1
30	22-05-2021	1.5.2	Disorders Of Purine Metabolism, Carbohydrate Metabolism, Lipid Metabolism	DR.URH	1
31	23-10-2020	1.6	ISHAEMIA- (1 HOUR) Definition, effects, etiology, factors determining severity of ischaemic injury.	DR.SRS	1
32	28-10-2020	1.7	HEMORRHAGE- (1 HOUR) Definition, etiology effects of haemorrhage, definitions of relevant terms used	DR.SRS	1
		1.8	SHOCK- (2 HOURS)		
33	04-11-2020	1.8.1	Shock- definition, classification and etiology, pathogenesis and stages of shock	DR.SRS	1
34	06-11-2020	1.8.2	Clinical features ,complications, morphologic features of shock in organs	DR.SRS	1
		1.9	HYPERAEMIA- (2 HOURS)		
35	11-11-2020	1.9.1	Active hyperaemias, definitions examples passive hyperaemia, local venous	DR.SRS	1
36	13-11-2020	1.9.2	Morphology of CVC of liver, lungs, spleen & kidney	DR.SRS	1
		1.10	INFARCTION- (2 HOURS)		
37	10-07-2021	1.10.1	Definition, types, etiology pathogenesis	DR.SRS	1
38	25-11-2020	1.10.2	Gross, microscopic appearance of different organs	DR.SRS	1

39		1.11	AMYLOIDOSIS- (3 HOURS)		
40	03-04-2021	1.11.1	Disorders of lipid metabolism Hyper lipidiemia, Major classes of lipoproteins and their role, lipidosis, gauchers disease	DR.URH	1
41	10-04-2021	1.12	HYPERLIPIDEMIA & LIPIDOSIS- (1 HOUR)	DR.URH	1
42	17-04-2021	1.13	DISORDER OF PIGMENTATION	DR.URH	1
43	24-04-2021	1.13.1	Disorder of pigmentation, List of endogenous pigments and exogenous pigments, disorder of melanin pig, mentation, inhaled pigments. Injected pigments. haemosiderosis, porphyria	DR.URH	1
		1.14	NEOPLASIA- (10 HOURS)		
44	19-12-2020	1.14.1	Definition, Basic components of neoplasia, Classification of tumours	DR.URH	1
45	26-12-2020	1.14.2	Characteristics of tumours	DR.URH	1
46	02-01-2021	1.14.3	Introduction of neoplasm Differences between Benign and malignant tumors	DR.URH	1
47	09-01-2021	1.14.4	Spread of Tumors: Local invasion	DR.URH	1
48	30-01-2021	1.14.5	Metastasis: List routes of metastasis, Lymphatic spread	DR.URH	1
49	06-02-2021	1.14.6	Haematogenous spread: common sites Examples of transcoelomic spread Mechanism and biology of invasion and metastasis	DR.URH	1
50	13-02-2021	1.14.7	Grading of cancer: Definition, Broder's grading Staging of cancer: Definition, TNM staging	DR.URH	1
51	20-02-2021	1.14.8	Predisposing epidemiological factors Carcinogenesis: Definition, Types	DR.URH	1
52	27-02-2021	1.14.9	Basic concept of molecular pathogenesis of cancer Chemical carcinogenesis, Physical carcinogenesis, Viral carcinogenesis	DR.URH	1
53	06-03-2021	1.14.10	Tumour- Host inter-relationship, Effect of tumour on host	DR.URH	1
		2	SYSTEMIC PATHOLOGY- (50 HOURS)		
		2.1	MALNUTRITION AND DEFICIENCY DISEASES- (4 HOURS)		
54	13-03-2021	2.1.1	Protein energy malnutrition: definition, Contrasting features of Kwashiorkar and Marasmus	DR.URH	1
55	20-03-2021	2.1.2	Condition resulting from vitamin deficiencies	DR.URH	1
56	27-03-2021	2.1.3	Condition resulting from vitamin deficiencies	DR.URH	1
57	03-04-2021	2.1.4	Condition resulting from vitamin deficiencies	DR.URH	1
		2.2	CARDIOVASCULAR SYSTEM- (5 HOURS)		
58	09-04-2021	2.2.1	Heart failure: Definition, Etiology, Types,	DR.SRS	1
59	16-04-2021	2.2.2	Causes of right sided & left sided heart failure	DR.SRS	1
60	21-04-2021	2.2.3	Ischemic heart disease: Definition Aetiopathogenesis, Angina pectoris- Definition, Clinical patterns	DR.SRS	1
61	23-04-2021	2.2.4	Acute myocardial infarction, aetiopathogenesis	DR.SRS	1
62	28-04-2021	2.2.5	Rheumatic fever: Definition Bacterial endocarditis: Definition, Aetiology, Clinical forms	DR.SRS	1

			Pericarditis: Definition, classification Classification of congenital heart diseases		
		2.3	DISEASES OF BLOOD VESSELS AND LYMPHATICS- (3 HOURS)		
63	24-03-2021	2.3.1	Atherosclerosis: Definition, Risk factors	DR.SRS	1
64	26-03-2021	2.3.2	Varicosities: Definition, Etiology Thrombophlebitis: Definition, clinical effects	DR.SRS	1
65	07-04-2021	2.3.3	Lymphangitis: Definition, Types, Lymphedema: Definition, Types, etiology	DR.SRS	1
		2.4	DISEASES OF KIDNEY AND LOWER URINARY TRACT-(6 HOURS)		
66	03-03-2021	2.4.1	Acute renal failure: Definition, Aetiopathogenesis	DR.SRS	1
67	05-03-2021	2.4.2	Chronic renal failure: Definition, Aetiopathogenesis, Clinical features of acute and chronic renal failure	DR.SRS	1
68	10-03-2021	2.4.3	Glomerular diseases: Definition, Clinicopathologic classification, Acute Post-Streptococcal GN- Aetiopathogenesis	DR.SRS	1
69	12-03-2021	2.4.4	Acute nephritic syndrome and Nephrotic syndrome: Causes, Features Acute pyelonephritis: Definition, Aetiopathogenesis, Chronic pyelonephritis: Definition, types	DR.SRS	1
70	17-03-2021	2.4.5	Renal vascular diseases: Hypertension- Definition, Clinical and, Aetiological classifications, Pathogenesis Nephrolithiasis: Definition, types of urinary calculi	DR.SRS	1
71	19-03-2021	2.4.6	Cystic diseases of kidney, Specific types of glomerular diseases, Acute tubular necrosis diseases: Thrombotic microangiopathy, Renal cortical Hydronephrosis: Definition, aetiology	DR.SRS	1
72	01-06-2021	2.5	MALE GENITALIA- (1 HOUR) Definitions of Orchitis, Epididymitis, Balanoposthitis, Prostatitis: Definition, Types Chronic prostatitis	DR.VRB	1
		2.6	FEMALE GENITALIA- (2 HOURS)		
73	02-06-2021	2.6.1	Definition of Bartholin's adenitis Vaginitis: Causes, Cervicitis: Types Definition of Salpingitis	DR.VRB	1
74	05-06-2021	2.6.2	Pelvic Inflammatory Disease Acute mastitis and Breast abscess-pathogenesis	DR.VRB	1
75	01-06-2021	2.7	DISEASES OF EYE, ENT AND NECK- (1 HOUR) Definition of Stye, Chalazion, Endophthalmitis, Conjunctivitis Ear: Otitis media-Definition, Types Definitions of Acute rhinitis, Allergic rhinitis	DR.URH	1
		2.8	DISEASES OF THE RESPIRATORY SYSTEM- (6 HOURS)		
76	17-03-2021	2.8.1	Pneumonia: Definition, Pathogenesis, Classification Bronchopneumonia and Chronic	DR.VRB	1
77	20-03-2021	2.8.2	Bronchitis: Definition, Aetiology Emphysema: Definition, Types	DR.VRB	1
78	23-03-2021	2.8.3	Bronchial asthma- Definition, types	DR.VRB	1

79	24-03-2021	2.8.4	Bronchiectasis- Definition, types, Acute respiratory distress syndrome	DR.VRB	1
80	27-03-2021	2.8.5	Pleuritis or pleurisy: Definition, Types Hydrothorax, Haemothorax, Chylothorax Pneumothorax: Definition, Types, Aetiology	DR.VRB	1
81	30-03-2021	2.8.6	Lung abscess: Definition, Types, Aetiopathogenesis	DR.VRB	1
82	31-03-2021	2.9	DISEASES OF ORAL CAVITY AND SALIVARY GLANDS- (1 HOUR) Stomatitis: definition, aetiology, glossitis: definition, types, aetiology	DR.VRB	1
		2.10	DISEASES OF G.I SYSTEM- (4 HOURS)		
83	03-04-2021	2.10.1	Acute gastritis: Definition, Aetiopathogenesis. Chronic gastritis: Clinicopathologic classification. Duodenal ulcer and gastric ulcer- Pathogenesis	DR.SRS	1
84	06-04-2021	2.10.2	Appendicitis: Definition, Aetiopathogenesis, Peritonitis: Aetiology, Differences between duodenal ulcer and gastric ulcer in terms of pathologic changes, clinical features	DR.SRS	1
85	07-04-2021	2.10.3	Intestinal obstruction: Causes, Intussusception: Definition Volvulus: Definition	DR.SRS	1
86	08-04-2021	2.10.4	Distinguishing features of Crohn's disease and Ulcerative Colitis	DR.SRS	1
		2.11	DISEASES OF LIVER, GALL BLADDER AND BILIARY DUCTS- (4 HOURS)		
87	10-04-2021	2.11.1	Pathophysiologic classification of jaundice, portal venous obstruction, causes, portal hypertension	DR.VRB	1
88	13-04-2021	2.11.2	Alcoholic liver disease: Outline of ethanol metabolism	DR.VRB	1
89	14-04-2021	2.11.3	Cholangitis: Definition, Types, Cholecystitis: Definition, Types, Aetiopathogenesis	DR.VRB	1
90	17-04-2021	2.11.4	Acute hepatitis, phases, microscopic appearance, cirrhosis, pathogenesis & classification	DR.VRB	1
		2.12	DISEASES OF PANCREAS- (2 HOURS)		
91	26-05-2021	2.12.1	Definition of acute and chronic pancreatitis, aetiopathogenesis	DR.VRB	1
92	29-05-2021	2.12.2	Diabetes mellitus	DR.VRB	1
		2.13	DISEASES OF HAEMOPOETIC SYSTEM, BONE MARROW AND BLOOD- (4 HOURS)		
93	28-04-2021	2.13.1	Iron deficiency anemia: Etiology, Pathogenesis Hemolytic anaemia: Classification	DR.VRB	1
94	04-05-2021	2.13.2	Megaloblastic anaemia Pernicious anaemia, Acquired hemolytic anemia, thalassaemia, aplastic anaemia. Laboratory evaluation of hemolysis	DR.VRB	1
95	05-05-2021	2.13.3	Acute Myeloid Leukemia, Classification, thrombocytopenia: definition & etiology	DR.VRB	1
96	08-05-2021	2.13.4	Chronic myeloid leukemia: laboratory findings	DR.VRB	1
		2.14	DISEASES OF GLANDS- (2 HOURS)		
97	18-05-2021	2.14.1	Thyrotoxicosis: Aetiology, Cretinism: Aetiopathogenesis	DR.VRB	1
98	19-05-2021	2.14.2	Goiter: Pathogenesis, Aetiology, Hypopituitarism Hyperpituitarism	DR.VRB	1

99	22-05-2021	2.15	DISEASES OF THE SKIN, SOFT TISSUE AND NERVOUS SYSTEM- (1 HOUR) Dermatoses: Various types with common examples Squamous cell carcinoma: Predisposing condition Basal cell carcinoma: Gross appearance Acute pyogenic meningitis: Aetiopathogenesis, Acute pyogenic meningitis: Definition, Viral meningitis and tuberculous meningitis, Bacterial and viral encephalitis	DR.VRB	1
		2.16	DISEASES OF MUSCULO-SKELETAL SYSTEM- (3 HOURS)		
100	25-05-2021	2.16.1	Pyogenic osteomyelitis: Sequence of pathologic changes. Osteoporosis: Definition, Types. Osteoarthritis: Definition, Types	DR.VRB	1
101	26-05-2021	2.16.2	Rheumatoid arthritis: aetiopathogenesis, Gout: types, pathogenesis	DR.VRB	1
102	29-05-2021	2.16.3	Osteosarcoma; Types, Myasthenia Gravis, Muscular Dystrophies	DR.VRB	1
103	08-06-2021	2.17	LEPROSY- (1 HOUR)	DR.VRB	1
		3	MICROBIOLOGY- (45 HOURS)		
		3.1	GENERAL TOPICS- (5 HOURS)		
104	03-10-2020	3.1.1	Introduction, Differentiating features of eukaryotes and Prokaryotes	DR.VRB	1
105	06-10-2020	3.1.2	History and scope of medical microbiology, History and scope of medical microbiology, Natural history of microbial diseases	DR.VRB	1
106	07-10-2020	3.1.3	Normal bacterial flora, Anatomical location and role of normal bacterial flora	DR.VRB	1
107	10-10-2020	3.1.4	Pathogenicity of micro-organisms	DR.VRB	1
108	13-10-2020	3.1.5	Diagnostic microbiology, Smear: Definition, steps in preparing a smear Types of stains, Differential staining-Procedures, Principle	DR.VRB	1
		3.2	IMMUNOLOGY: (10 HOURS)		
109	15-01-2021	3.2.1	Development of immune system, T cell maturation & B cell maturation, The innate immune system, Mechanisms of innate immunity, Innate immunity: Types, Host factors in innate immunity, Non-specific defense of the host	DR.VRB	1
110	29-01-2021	3.2.2	Acquired immunity, active immunity: definition, types and mechanism. Artificial active immunity and natural active immunity: vaccines. Passive immunity: definition, types. Difference Between Active And Passive Immunity, Local Immunity, Herd Immunity	DR.VRB	1
111	03-02-2021	3.2.3	Cells of immune system, Natural killer cells-Functions immune response, Functions of Neutrophils, Eosinophils, Basophils, macrophages, T cells and Cell mediated immunity, T cells: Classification, Induction and scope of cell mediated immunity B cells and	DR.VRB	1

			Humoral immunity, Humoral immune response		
112	05-02-2021	3.2.4	The complement system, Complement system: Definition, Properties, Components, Activation and Biologic functions. Antigen; definitions, types, antigenic determinants: definition, factors determining antigenicity.	DR.VRB	1
113	10-02-2021	3.2.5	Antibody: Definition, Functions Immunoglobulin's: Definition, Classes, Functions, ,antigen –antibody reactions (anaphylactic & atopic) Characteristics of Ag-Ab reaction, Definition: Antibody titer, sensitivity, specificity, Serology	DR.VRB	1
114	12-02-2021	3.2.6	Immunoglobulin: Definition, Classes, Functions. Precipitation reactions: Types, Hypersensitivity type I &II, Applications of Agglutination reactions. Drug allergies, Mechanism Of TYPE I &TYPE II Hypersensitivity Reactions	DR.VRB	1
115	17-02-2021	3.2.7	Hypersensitivity: Definition, Types,Mechanism of Type III and Type IV hypersensitivity reactions	DR.VRB	1
116	19-02-2021	3.2.8	Immunodeficiency diseases: Definition, Types. Primary immune deficiency, Secondary immunodeficiency, Autoimmunity: Definition, Clinical types with examples Transplantation, types, Blood group Hemolytic disease of new-born due to Rh-D. Blood transfusion. Clinical aspect of immunopathology	DR.VRB	1
117	24-02-2021	3.2.9	Transplantation, Types. Blood group antigens, haemolytic diseases of new born. Rh incompatibility. Transfusion reaction	DR.VRB	1
118	26-02-2021	3.2.10	Clinical aspect of immunopathology:hypersensitivity, immunodeficiency, & autoimmunity topics	DR.VRB	1
		3.3	BACTERIOLOGY- (30 HOURS)		
119	14-10-2020	3.3.1	Bacterial structure, growth and metabolism, Bacteria: definition, classification, structure	DR.VRB	1
120	17-10-2020	3.3.2	Growth requirement of bacteria. Bacterial growth. Generation time, bacterial count	DR.VRB	1
121	20-10-2020	3.3.3	Differences between gram positive and gram negative cell wall	DR.VRB	1
123	21-10-2020	3.3.4	Structure of bacterial spore, Sporulation, Bacterial growth curve-Phases	DR.VRB	1
124	24-10-2020	3.3.5	Bacterial genetics and bacteriophage, Definition of genes, codon, plasmids	DR.VRB	1
125	27-10-2020	3.3.6	Conjugation. Bacteriophage: Refer to virology component in the same syllabus	DR.VRB	1
126	28-10-2020	3.3.7	Identification and cultivation of bacteria, List of Phenotypic and genotypic characteristics to identify bacteria	DR.VRB	1
127	03-11-2020	3.3.8	Culture media, basal media, special medias, anaerobic culture media,	DR.VRB	1
128	04-11-2020	3.3.9	Gram positive aerobic and facultative anaerobic cocci, Streptococcus pyogenes: Antigenic structure,	DR.VRB	1

			Virulence factors		
129	07-11-2020	3.3.10	Gram positive aerobic bacilli, pathogenesis of streptococcus pyogenes, Virulence Factor. serological tests for diagnosis & non suppurative complications.	DR.VRB	1
130	10-11-2020	3.3.11	Staphylococcus aureus: Antigenic structure & Virulence factors	DR.VRB	1
131	11-11-2020	3.3.12	Staphylococcal diseases .Laboratory diagnosis	DR.VRB	1
132	17-11-2020	3.3.13	Pneumococcus [Streptococcus pneumonia]: Antigenic structure, Pathogenesis	DR.VRB	1
133	18-11-2020	3.3.14	Gram positive anaerobic cocci, Peptostreptococci, Peptococcus	DR.VRB	1
134	21-11-2020	3.3.15	Gram negative aerobic cocci, Neisseria meningitides, Neisseria gonorrhoea and Moraxella, Kingella: Pathogenesis Neisseria meningitides, Neisseria. gonorrhoea, Moraxella, Kingella: Laboratory diagnosis	DR.VRB	1
135	24-11-2020	3.3.16	Gram positive aerobic bacilli, Corynebacterium diphtheria: pathogenesis, bacillus anthracis, human anthrax	DR.VRB	1
136	25-11-2020	3.3.17	Mycobacterium tuberculosis: Antigenic structure , Primary and secondary tuberculosis	DR.VRB	1
137	28-11-2020	3.3.18	Laboratory diagnosis of tuberculosis	DR.VRB	1
138	01-12-2020	3.3.19	Mycobacterium leprae: Uses of lepromin test [Reaction] , Actinomycetes, Nocardia	DR.VRB	1
139	02-12-2020	3.3.20	Organism of enterobacteriae group, Escherichia coli: clinical syndromes, Laboratory diagnosis of urinary tract infection	DR.VRB	1
140	05-12-2020	3.3.21	Shigella: List of species of Shigellae, Pathogenesis: Bacillary dysentery, Laboratory diagnosis	DR.VRB	1
141	08-12-2020	3.3.22	Enteric fever, Laboratory diagnosis, Salmonella typhi: Pathogenesis of typhoid fever	DR.VRB	1
142	09-12-2020	3.3.23	Clinical course of typhoid fever, Laboratory diagnosis	DR.VRB	1
143	12-12-2020	3.3.24	Gram positive anaerobic bacilli, Clostridium perfringens: Pathogenesis Laboratory diagnosis	DR.VRB	1
144	15-12-2020	3.3.25	Tetanus: Definition, Clostridium tetani: Pathogenesis, Clinical manifestation of tetanus, Laboratory diagnosis of tetanus	DR.VRB	1
145	16-12-2020	3.3.26	Botulism: Definition, Clostridium botulinum: Pathogenesis, Lactobacillus: Pathogenicity	DR.VRB	1
146	19-12-2020	3.3.27	Gram negative anaerobic bacilli, Bacteroides fragilis	DR.VRB	1
147	22-12-2020	3.3.28	Others like, Cholera: Definition, Vibrio cholera: Pathogenesis, Laboratory diagnosis of Cholera,	DR.VRB	1
148	23-12-2020	3.3.29	Treponema pallidum: Pathogenesis, Treponemal tests for syphilis	DR.VRB	1
149	12-12-2020	3.3.30	Leptospira interrogans, Mycoplasma pneumonia, Rickettsiae prowazekii, Chlamydiae, Pasteurella	DR.VRB	1
		3.4	FUNGI AND PARASITE- (25 HOURS)		
150	30-04-2021	3.4.1	FUNGI- (2 HOURS) : Classification	DR.SRS	1
151	05-05-2021	3.4.2	Mycosis: Definition, types	DR.SRS	1
			PROTOZOA- (3 HOURS)		
152	07-05-2021	3.4.3	Entamoeba histolytica	DR.SRS	1

153	12-05-2021	3.4.4	Morphology, Methods of reproduction, Life cycle, Intestinal lesions.	DR.SRS	1
154	19-05-2021	3.4.5	Differences between Amoebic dysentery and Bacillary dysentery, Laboratory diagnosis of intestinal amoebiasis	DR.SRS	1
155	21-05-2021	3.4.6	Giardia Intestinalis: Morphology, Life Cycle, Giardiasis: Definition, Cryptosporidium Parvum, Trichomonas Vaginalis, Toxoplasma gondii, Trypanosma cruzei	DR.SRS	1
156	26-05-2021	3.4.7	List of plasmodium species Human cycle of P. vivax, P. falciparum, P. malariae, P. ovale	DR.SRS	1
157	28-05-2021	3.4.8	Characteristic fever caused by plasmodium species.	DR.SRS	1
158	02-06-2021	3.4.9	Characteristic fever caused by plasmodium species	DR.SRS	1
159	04-06-2021	3.4.10	Leishmaniadonovani: Morphology, Life cycle	DR.SRS	1
160	09-06-2021	3.4.11	Diagnosis of kala-azar	DR.SRS	1
			HELMINTHES- CESTODE- (2 HOURS)		
161	11-06-2021	3.4.12	Taenia saginata	DR.SRS	1
162	16-06-2021	3.4.13	Taenia solium- Morphology, Life cycle, Cysticercusbovis, Cysticercuscellulosae, Pathogenesis of Cysticercosis Laboratory diagnosis	DR.SRS	1
163	18-06-2021	3.4.14	Echinococcus granulosus: Morphology, Life cycle	DR.SRS	1
164	23-06-2021	3.4.15	Structure of Hydatid cyst, Laboratory diagnosis of hydatid disease	DR.SRS	1
			TREMATODES (FLUKES)- (2 HOURS)		
165	25-06-2021	3.4.16	Schistosomahaematobium, Schistosomamansoni, Paragonimus westermani: Morphology, Life cycle	DR.SRS	1
166	30-06-2021	3.4.17	Bilharziasis, Paragonimiasis: Definition, Pathogenesis and Laboratory diagnosis	DR.SRS	1
			NEMATODES- (2 HOURS)		
167	30-06-2021	3.4.18	Ancylostomaduodenale: ankylostomiasis, Morphology, life cycle, features of egg, pathogenesis & lab diagnosis	DR.SRS	1
168	02-07-2021	3.4.19	Features of eggs, Life cycle, pathogenesis and lab diagnosis	DR.SRS	1
169	07-07-2021	3.4.20	Ascarislumbricoides- Morphology, Life cycle	DR.SRS	1
170	09-07-2021	3.4.21	Features of fertilized egg. Ascariasis- Definition, Pathogenesis, Laboratory diagnosis	DR.SRS	1
171	01-07-2021	3.4.22	Enterobiasis: Definition National Institute of Health Swab – Parts and Uses	DR.SRS	1
172	13-07-2021	3.4.23	Wucheraria Bancrofti- Life cycle,	DR.SRS	1
173	14-07-2021	3.4.24	Pathogenesis, Laboratory diagnosis of filariasis	DR.SRS	1
174	14-07-2021	3.4.25	Trichuristrichura: Morphology, Life cycle Trichiuriasis: Definition, Laboratory diagnosis of Trichiuriasis, Strongyloidesstercoralis, Brugiamalayi, Onchocerca volvulus, LoaLoa,, Dracunculus medinensis	DR.SRS	1
		3.5	VIROLOGY- (20 HOURS)		
175	29-12-2020	3.5.1	Introduction, General properties of viruses	DR.VRB	1
176	30-12-2020	3.5.2	Nature and classification of viruses Classification of DNA and RNA viruses	DR.VRB	1
177	02-01-2021	3.5.3	Morphology and replication of viruses	DR.VRB	1
178	05-01-2021	3.5.4	Size of viruses, structure	DR.VRB	1

			Viral replication		
179	06-01-2021	3.5.5	DNA VIRUSES- Parvo virus, Herpes virus, Herpes simplex type 1 and type 2 pathogenesis, Clinical features of Herpes virus infection, Cytomegalovirus, Epstein Barr virus	DR.VRB	1
180	09-01-2021	3.5.6	Hepadna virus, Hepatitis A virus: Pathogenesis	DR.VRB	1
181	12-01-2021	3.5.7	Mode of transmission of Hepatitis B virus, Laboratory diagnosis of Hepatitis B virus infection	DR.VRB	1
182	13-01-2021	3.5.8	Hepatitis C virus: Mode of infection	DR.VRB	1
183	16-01-2021	3.5.9	Papova virus, Papilloma virus: Pathogenesis, Clinical syndromes of Adeno Virus	DR.VRB	1
184	30-01-2021	3.5.10	Pox virus: Molluscum contagiosum- Clinical features, Variola virus	DR.VRB	1
185	02-02-2021	3.5.11	RNA VIRUSES- Orthomyxo virus Influenza virus: Pathogenesis, Clinical features, Laboratory diagnosis	DR.VRB	1
186	03-02-2021	3.5.12	Enterovirus: Polio virus: Pathogenesis Poliomyelitis: Definition, Poliomyelitis: Clinical features	DR.VRB	1
189	06-02-2021	3.5.13	Arena virus, Rota virus, Corona virus, Yellow fever virus	DR.VRB	1
190	09-02-2021	3.5.14	Rhino virus: Rhino virus: Pathogenesis, Clinical syndromes, Paramyxo virus: Rubeola [Measles] Pathogenesis, Definition, clinical feature, lab diagnosis, Mumps virus: Pathogenesis, Mumps: Definition clinical feature, lab diagnosis	DR.VRB	1
191	10-02-2021	3.5.15	Rhabdo virus: Rabies virus: Pathogenesis, features, clinical spectrum, Lab-diagnosis Rubella: German measles: Clinical	DR.VRB	1
192	11-02-2021	3.5.16	Pathogenesis of HIV infection, Stages of infection with HIV	DR.VRB	1
193	16-02-2021	3.5.17	Specific tests: Antibody detection-screening and confirmatory tests, Non specific tests: Immunological tests	DR.VRB	1
194	17-02-2021	3.5.18	Dengue virus: classic dengue fever, dengue haemorrhagic fever, chikungunya virus: vector, chikungunyavirus, clinical features. Laboratory diagnosis	DR.VRB	1
195	20-02-2021	3.5.19	Miscellaneous virus: rota virus, corona virus, yellow fever virus Bacteriophage: Definition, Types of life cycle, Role and Significance	DR.VRB	1
		3.6	CLINICAL MICROBIOLOGY- (3 HOURS)		
196	23-02-2020	3.6.1	Clinically Important Microorganisms, as per the bacteria & viruses listed in appropriate chapters in this syllabus. Immunoprophylaxis, definition, artificial active immunity, definition	DR.VRB	1
197	24-02-2021	3.6.2	Vaccines, definition, examples for bacterial & viral vaccines	DR.VRB	1

198	27-02-2021	3.6.3	Artificial passive immunity, live & killed vaccines, features, attenuation of live vaccines, antibiotic sensitivity test	DR.VRB	1
199	28-02-2021	3.6.4	DIAGNOSTIC PROCEDURE IN MICROBIOLOGY- (2 HOURS) Examination of blood and stool, Preparation of thin and thick blood film, Examination of blood for microfilariae. Microscopic examination of stool for E.histolytica, for Helminthic infections, Examination of blood for malarial parasites	DR.VRB	1
200	02-03-2021	3.6.5	Cultural methods: streak, stroke, stab, pour plate cultural methods, Animal Inoculation & anti-microbiological chemotherapy	DR.VRB	1
		3.7	INFECTION & DISEASES- (5 HOURS)		
201	03-03-2021	3.7.1	Pathogenesis. Mechanism & control. Types & sources of infection, modes of transmission of infection. definition of pathogenicity, virulence, determinants of virulence	DR.VRB	1
202	06-03-2021	3.7.2	Disinfection and Sterilization, Definition of terms, List of agents of sterilization, Flaming, Pasteurization Uses of UV radiation and Ionizing radiation in sterilization	DR.VRB	1
203	09-03-2021	3.7.3	Characteristics of disinfectant Sterilization: methods of sterilization using hot air oven: parts, uses, procedure of sterilization. auto clave: parts, uses, procedure of sterilization	DR.VRB	1
204	10-03-2021	3.7.4	Uses, Types of filters, Uses of filtration) Uses of phenol derivatives, Methyl alcohol, Iodine, Chlorine, Formaldehyde, Gluteraldehyde, Ethylene oxide, Hot air oven: Parts, uses, procedure of sterilization, Microbial Pathogenicity	DR.VRB	1
205	13-03-2021	3.7.5	histopathology: observation of histopathological features, with help of slides of common pathological conditions from each system, observation of gross pathological specimens of each system, histopathological techniques, eg; fixation, embedding, sectioning & staining by common dyes & stains, frozen section, electron microscopy & phase contrast microscopy 30-06-21,03-07-21,06-07-21,07-07-21 10-07-21.13-07-21,14-07-21 19-06-21,26-06-21-03-07-21.10--07-21 Above topics will be taught once again during these days based on the New Time Table	DR.VRB	1

PRACTICALS- 80 HOURS

Sl. No.	Tentative Date [#]	Topic/ Lesson No.	Practical topics [®] for teaching & discussion	Name of the Faculty	Hours Allotted
		4	CLINICAL & CHEMICAL PATHOLOGY- (18 HOURS)		
211	29-10-2020	4.1	Hb estimation	SRS/ VRB	1
212	02-11-2020	4.2	RBC count	SRS/ VRB	1
213	05-11-2020	4.3	ESR	SRS/ VRB	1
214	09-11-2020	4.4	Total WBC count, Differential Count	SRS/ VRB	1
215	12-11-2020	4.5	Blood grouping, Bleeding Time, Clotting Time	SRS/ VRB	1
		5	URINE EXAMINATION- (12 HOURS)		
216	12-11-2020	5.1	Physical Examination	SRS/ VRB	1
217	19-11-2020	5.2	Chemical Examination- Sugar & ketone bodies	SRS/ VRB	1
218	23-11-2020	5.3	Chemical Examination- Test for Blood & Protein	SRS/ VRB	1
219	26-11-2020	5.4	Quantity of Albumin & Sugar	SRS/ VRB	1
220	30-11-2020	5.5	Test for Bile Salts & Bile Pigments	SRS/ VRB	1
221	03-12-2020	5.6	Microscopy of Urine	SRS/ VRB	1
		6	EXAMINATION OF FAECES- (4 HOURS)		
222	07-12-2020	6.1	Physical examination of faeces	SRS/ VRB	1
223	12-11-2020	6.2	Examination of faeces- Microscopic examination, ova & protozoa, chemical	SRS/ VRB	1
		7	USE OF MICROSCOPE- (12 HOURS)		
224	22-10-2020	7.1	Staining Of Thick & Thin Films	SRS/ VRB	1
225	05-10-2020	7.2	Grams staining	SRS/ VRB	1
226	08-10-2020	7.3	Grams staining	SRS/ VRB	1
227	12-10-2020	7.4	Grams staining	SRS/ VRB	1
228	12-10-2020	7.5	Acid fast staining	SRS/ VRB	1
229	15-10--2020	7.6	Acid fast staining	SRS/ VRB	1
230	19-10-2020	7.7	Methods of sterilization using hot air oven, autoclave, flaming	SRS/ VRB	1
		8	PREPARATION OF COMMON CULTURE MEDIA- (2 HOURS)		
231	01-10-2020	8.1	Nutrient Agar, Blood Agar, Robertson's Cooked Meat Media & Mac conkey's Media	SRS/ VRB	1
232	10-12-2020	9	WIDAL TEST- (1 HOUR)	SRS/ VRB	1
233	14-12-2020	10	EXPOSURE TO LATEST EQUIPMENTS-(2 HOURS)	SRS/ VRB	1
		11	HISTOPATHOLOGY- (12 HOURS)		
234	17-12-2020	11.1	Histopathology-	SRS/ VRB	1
235	28-12-2020	11.2	Histopathology-	SRS/ VRB	1
236	31-12-2020	11.3	Histopathology-	SRS/ VRB	1
237	04-01-2021	11.4	Histopathology-	SRS/ VRB	1
238	07-01-2021	11.5	Histopathology	SRS/ VRB	1
239	11-01-2021	11.6	Histopathology	SRS/ VRB	1
240	14-01-2021	11.7	Histopathology-	SRS/ VRB	1
241	28-01-2021	11.8	Histopathology-	SRS/ VRB	1
242	08-02-2021	11.9	Histopathology-	SRS/ VRB	1
243	01-02-2021	11.10	Histopathology	SRS/ VRB	1

244	04-02-2021	11.11	Histopathology	SRS/ VRB	1
245	08-02-2021	11.12	Histopathology-	SRS/ VRB	1
		12	SPECIMENS- (12 HOURS)		
246	11-02-2021	12.1	Specimens-	SRS/ VRB	1
247	15-02-2021	12.3	Specimens-	SRS/ VRB	1
248	18-02-2021	12.4	Specimens-	SRS/ VRB	1
249	18-02-2021	12.5	Specimens-	SRS/ VRB	1
250	22-02-2021	12.6	Specimens-	SRS/ VRB	1
251	25-02-2021	12.7	Specimens-	SRS/ VRB	1
252	25-02-2021	12.8	Specimens-	SRS/ VRB	1
253	08-02-2021	12.9	Specimens-	SRS/ VRB	1
254	15-02-2021	12.10	Specimens-	SRS/ VRB	1
255	18-02-2021	12.11	Specimens-	SRS/ VRB	1
256	01-03-2021	12.12	Specimens-	SRS/ VRB	1
257	04-03-2021	12.13	Specimens-	SRS/ VRB	1
258	15-03-2021	13	Practical or clinical demonstration of histopathological technique- (2 Hours)	SRS/ VRB	1
259	18-03-2021	14	Sectioning by common dyes & stains, frozen section & its importance-(2 Hours)	SRS/ VRB	1
260	10-12-2020	15	Electron microscopy, phase contrast microscopy- (1 Hour)	SRS/ VRB	1
			22-03-21, 25-03-21, 30-03-21, 01-04-21, 05-04-21, 08-04-21, 12-04-21, 15-04-21, 19-04-21, 22-04-21, 26-04-21, 29-04-21, 03-05-21, 06-05-21, 10-05-21, 13-05-21, 17-05-21, 20-05-21, 24-05-21, 27-05-21, 30-05-21, 01-06-21, 05-06-21, 08-06-21, 12-06-21, 15-06-21, 19-06-21, 22-06-21, 26-06-21, 29-06-21, 01-07-21, 05-07-21, 08-07-21 Above topics will be taught once again during these days based on the New Time Table		

- Variations may occur as per RGUHS Calendar

@ - Variations may occur as per RGUHS needs

Sd/ 

HoD, Dept. of Pathology,

DBHPS's Dr. B. D. Jatti HMC, H & PGRC., Dharwad.

DEPT. OF PATHOLOGY

DBHP Sabha's Dr. B.D. Jatti Homoeopathic
Medical College & Hospital, Dharwad

Sd/ 

PRINCIPAL

PRINCIPAL

DBHPS's Dr. B. D. Jatti HMC, H & PGRC., Dharwad.

Dr. B.D. Jatti Homoeopathic


Medical College & Hospital
DHARWAD

SCHEDULED PLAN OF SEMINARS / TUTORIALS / SYMPOSIUM

Sl. No.	Tentative Date [#]	Particulars of Activity [@]	Name of the Presenter	Name of the Faculty I/c
1	10-10-2020	Seminar- Haemostasis	Ms. Akshaya	SRS/ VRB
2	07-11-2020	Seminar- haemoglobin	Ms. Hyndavi. G	SRS/ VRB
4	05-12-2020	Tutorial- Cardio vascular system	-	SRS/ VRB
5	02-01-2021	Seminar- Neoplasia	Ms. Ranjitha C P	SRS/ VRB
6	06-02-2021	Seminar- Tuberculosis	Mr. Vijaykumar	SRS/ VRB
7	06-03-2021	Tutorial- Gangreen	-	SRS/ VRB
8	03-04-2021	Seminar-Sterilization and disinfection	Ms. Aishwarya Badger	SRS/ VRB
9	01-05-2021	Seminar- Fracture healing	Mr. Ambarish J	SRS/ VRB
10	05-06-2021	Tutorial- Inflammation	-	SRS/ VRB
11	03-07-2021	Seminar- Classification and structure of bacteria	Ms. Netra F B	SRS/ VRB

- Variations may occur as per RGUHS Calendar

@ - Variations may occur as per RGUHS needs

Sd/- 
 HoD, Dept. of Pathology,
 DBHPS's Dr. B. D. Jatti HMC, H & PGRC., Dharwad.
DEPT. OF PATHOLOGY
DBHP Sabha's Dr. B.D. Jatti Homoeopathic
Medical College & Hospital, Dharwad

Sd/- 
 PRINCIPAL
 DBHPS's Dr. B. D. Jatti HMC, H & PGRC., Dharwad.
PRINCIPAL
DBHP Sabha's Dr. B.D. Jatti Homoeopathic
Medical College & Hospital
DHARWAD