



Son. Devdutt Narayandas Chhabbada Koyal Education Society, Satara's
MAHALAXMI HOMOEOPATHIC MEDICAL COLLEGE,
HOSPITAL & RESEARCH CENTER

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Ref. No. MH/MC / / /25

Date:

Department of Pathology
II BHMIS (CIBDC Course)
Academic Teaching Plan 2024-25
 (Total teaching hours- Lectures 200)

Month	Dr. Rohit Suryavanshi	Dr. Rohit Suryavanshi	Dr. Ajay Shedge
	Pathology (General and Systemic) Monday :11.30-12.30 Thursday :03.30-04.30	(Microbiology) Friday:03.30 - 04.30	(Parasitology, Virology) Tuesday:09.30-10.30 Friday:09.30-10.30
Aug 24	Introduction to Pathology: Basic definitions: Cell injury and adaptation: Hypertrophy, Metaplasia, Dysplasia: cell injury: Reversible and irreversible changes Necrosis, Gangrene, calcification, Apoptosis	Introduction to Microbiology. Definitions: Normal Human microbiota and its Anatomical locations, Their role in health and disease. Probiotics Sterilization and Disinfection: Physical and Chemical sterilization, Pasteurization Sterilization and Disinfection	Introduction to Parasitology- Introduction, Definition: Symbiosis, Commensalism, Parasitism: Parasite & Host: Definition, types, Example Host parasite relationship Parasitology Protozoan: Entamoeba histolytica, Giardia Lamblia.
Sep 24	Inflammation and Repair: Definition Acute and chronic inflammation Repair and healing. Co- relationship with MI and repertery	Culture media and methods. Infection and disease: Definition - Infection, Pathogen, Pathogenesis, pathogenicity, Virulence, Infectious disease. Infections: - Types, sources methods of transmission, Exotoxins and Endotoxins, Classification of infectious diseases, Nosocomial infection, Human Microbiome.	Protozoan: Protozoans: - Entamoeba histolytica Amoebic and bacillary dysentery. Giardia lamblia Trichomonous vaginalis. Plasmodium species: Malaria
Oct 24	Haemodynamic disorder: Oedema-causes, Types, Pathogenesis with examples Hyperemia – CVC Shock- types and causes Thrombosis Embolism	Gram Positive bacteria: Staphylococci aureus Pneumococci Streptococcus pyogenes Streptococcus pyogenes	Toxoplasma gondii Toxoplasma gondii Trypanosoma brucei: Trypanosoma Cruzi- Leishmania donovani:

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Nov 24	Immunopathology: Immunity - types with pathophysiology and example Autoimmunity Immunity and Hypersensitivity and its co-relations with Susceptibility Environment and Nutritional disease: Obesity, PEM Kwashiorkor and Marasmus Vitamin deficiency	Gram Positive bacteria Bacillus anthracis: Bacillus cereus	Virus: Introduction, Structure, Morphology
Dec 24	Neoplasia: Definition, Nomenclature Classification of tumour. Benign and malignant tumor- difference Metastasis Carcinogen Miasmatic concept of neoplasm	Gram Positive bacteria: Clostridium perfringens, Clostridium botulinum, Clostridium Difficile	Helminth : Cestodes Taenia Saginata and Taenia solium

Term II

Month	Dr Suryavanshi (Patho General and systemic) Monday : 11.30-12.30 Thursday : 03.30-04.30	Dr Suryavanshi (Microbiology) Friday:03.30 -04.30	Dr Shedge (Parasitology, Virology) Tuesday :09.30-10.30 Friday :09.30-10.30
Jan 25	Diseases of haemopoietic system bone marrow and blood: Anaemia: -Types, causes, Lab Investigation, Morphological investigations	Gram negative bacterias Neisseria gonorrhoeae; Escherichia coli Shigella Salmonellae. Enteric fever Klebsiella Protus	Helminths Cestodes: Echinococcus granulosus. Hydatid disease Taenia Saginata and Taenia solium.
Feb 25	Diseases of Resp System Diseases of Oral cavity, Salivary gland, Diseases of Gastrointestinal Tract	Gram negative bacterias Yersinia pestis Pseudomonas Aeruginosa Bordetella pertussis Brucellosis Helicobacter pylori Rickettsiae	Helminth Nematodes: Ascaris Lumbricoidi; -Enterobius vermicularis -Enterobius s. Nematodes -- Strongyloidessarcoalis; Trichuris trichura- Helminths Nematodes: Filarial Nematode – Wuchereria Bancrofti, Brugiamalayi; Onchoerca Volvulus Dracunculus Medinensis. Homoeopathic concepts and management of parasitic infections DNA Virus: Pox Viruses, Popaya virus -Human Papilloma virus.
March 25	Diseases of liver, GB, Biliary ducts Disease of pancreas Diseases of blood vessels and lymphatics	Acid fast Bacteria: Mycobacterium tuberculosis. Mycobacterium leprae. Lepromin test Lepromatous and Tuberculoid leprosy	DNA Virus: Herpes simplex virus Varicella zoster. Cytomegalovirus Human Herpes virus: Epstein-Barr virus Adenoviruses Hepadna virus- Hepatis B
April 25	Diseases of CVS Diseases of Kidney and lower urinary tract	Spirochetes: Treponema pallidum; Syphilis. Non venereal treponematoses. Yaws, Pinta. Borrelia. Leptospira	RNA Virus: Orthomyxovirus Influenza virus Paramyxovirus: Mumps. Measles. Rubella virus Respiratory syncytial virus. Corona virus disease Rhabdo virus Picorna virus. Arboviruses
May 25	Diseases of male reproductive system and prostate. Diseases of female genitalia and breast. Diseases of Skin and soft tissue.	Diagnosis procedure in Microbiology	RNA Virus: Chikungunya virus. Arbo virus: Yellow fever Japanese encephalitis.

	Diseases of MISS.		Retro virus – HIV Hepatitis virus – Hepatitis A, B, C,D,E, L Mycology
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PRINCIPAL
Mahalaxmi Homoeopathic Medical College
Hospital and Research Center Raigad, Satara