

Dr. Sukumar J. Magdum Foundation, Jaysingpur
**LATE MRS. HOUSABAI HOMOEOPATHIC MEDICAL
COLLEGE & HOSPITAL, NIMSHIRGAON,**

Sangli-Kolhapur Highway, Ichalkaranji Phata, Near Dharmnagar,

Tal. - Shirol, Dist. - Kolhapur -416101.(Maharashtra)

Phone & Fax No.:- (02322) 295503 Mobile No.:- 9422582621/9422421294

E-Mail:-hhmc.20@gmail.com

Website:-www.hhmc.co.in

(Approved by Ayush New Delhi, NCH New Delhi, Maharashtra State Govt. & Affiliated to MUHS Nashik)

ADVANCE TEACHING PROGRAMME
DEPARTMENT OF PATHOLOGY
& MICROBIOLOGY

(HomUG-Path-M)

II PROFESSIONAL YEAR (CBDC 2022)

Academic year - 2025-2026

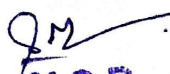
REQUIRED LECTURES & PRACTICALS

Lectures: 200

Non -lectures: 80

Faculty :

- 1) Dr. S. M. Sangave
- 2) Dr. S. A. Patil
- 3) Dr. Rupali Salunkhe


H.O.D.
Dept. of Pathology
Late Mrs. H.H.M.C.
Nimshirgaon




Principal
Late Mrs. Housabai Homoeopathic
Medical College & Hospital, Nimshirgaon



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TERM WISE DISTRIBUTION

Contents for Term I

	Theory
Sr. No	Topic
1	Introduction to Pathology
2	General Pathology
3	Introduction to Microbiology
4	Sterilisation and Disinfection
5	Culture medias and methods
6	Infection and Disease
7	Human Microbiome
8	Gram positive bacterias
9	Introduction to Virology
10	Introduction to Parasitology
11	Protozoans

Contents for Term II

	Theory
Sr. No	Topic
1	Systemic Pathology
2	Gram negative bacterias
3	Acid fast bacterias
4	Spirochaetes
5	Virology-DNA,RNA virus
6	Parasitology –Helminths
7	Mycology
8	Diagnostic procedures in Microbiology



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TERM WISE DISTRIBUTION

Contents for Term I

Sr. No	Non –lecture- Practical/Demonstrative Topic
1	Demonstration of Instruments
2	Demonstration of Methods of sterilisation
3	Demonstration of culture medias
4	Estimation of haemoglobin
5	Total count of Red Blood Cells
6	Total count of White Blood Cells
7	Bleeding time and clotting time
8	Blood grouping.
9	Gram staining
10	Demonstration of histopathological slides
11	Demonstration of Pathological specimen/models

Contents for Term II

Sr. No	Non –lecture- Practical/Demonstrative Topic
1	Staining of thin and thick films.
2	Differential count.
3	Erythrocyte sedimentation rate-demonstration
4	Urine examination-physical,chemical and microscopical examination.
5	Examination of Faeces- demonstration
6	Hanging drop preparation.- demonstration
7	Acid fast staining –demonstration
8	Interpretation of laboratory reports (serological tests, LFT, RFT, TFT etc) and its clinico pathological correlation
9	Demonstration of common pathological specimens/models from each system
10	Demonstration of common Pathological slides from each system



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DEPARTMENT OF PATHOLOGY & MICROBIOLOGY(HomUG-Path-M)

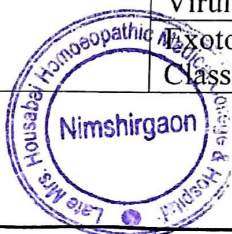
II PROFESSIONAL YEAR (CBDC 2022)

A/Y -2025-26

ADVANCE TEACHING PLAN

NAME OF TEACHER: Dr. S. A. PATIL

SR.NO	MONTH	MACRO TEACHING PLAN	MICRO TEACHING PLAN	NO. OF LECTURES REQUIRED FOR EACH TOPIC
TERM-I				
1	MAY	General Introduction to Microbiology (3hrs)	Basic definition & Contributions of important scientists to Microbiology. Koch's postulate. Normal human Microbiota. Role of normal human Microbiota. Role of probiotics.	1hr
			Morphology of bacteria. Classification of bacteria. Bacterial cell structure. Cell wall appendages.	1hr
			Bacterial Spore Bacterial Growth & nutrition	1hr
		Sterilization & Disinfection (2hrs)	Definitions & methods of sterilization Physical Method of sterilization Chemical Method of sterilization	2 hr
2	JUNE	Identification & cultivation of bacteria (3hrs)	Staining method Classification of bacteria	1hr
			Culture Media	1hr
			Culture Method	1hr
		Infection & Disease (2hrs)	Definition & types of Infection Source & Transmission of Infection Virulence of Microorganisms	1hr
			Exotoxins & Endotoxins Classification of infectious disease	1hr



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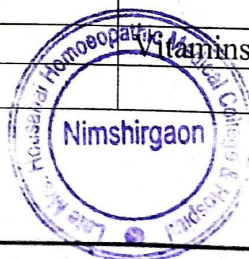
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			Nosocomial infection	
		Cell Injury & cellular adaptation (5Hrs)	Morphology of reversible cell Injury	2 hr
			Morphology of Irreversible Cell Injury- Necrosis, Apoptosis	1 hr
			Gangrene	1 hr
			Intracellular accumulation	1 hr
		Gram Positive cocci (5 hrs)	Staphylococci	2hr
3	JULY			
		Gram Positive cocci (5 hrs)	Pneumococci	2hr
			Streptococci	1hr
		Gram Positive aerobic bacilli (2hrs)	Corynebacterium diphtheriae	1hr
			Bacillus anthraxis	1hr
			Bacillus cereus	
		Gram Positive anaerobic bacilli (3hrs)	Clostridium tetani	1hr
			Clostridium perfringens	1hr
			Clostridium botulinum	1hr
			Clostridium Difficile	
		Virology (2hrs)	Introduction of structure, viral replication, viral inclusion bodies. Pathogenesis & lab diagnosis of viral infections	1hr
			Classification Virus host interactions & its significance in Homeopathy Bacteriophage	1hr
		Gram negative cocci (2hrs)	Neisseria gonorrhoeae	1hr
			Neisseria meningitidis	1hr
4	AUGUST		PA-I	
		Immunopathology (8hrs)	Definition, types of immunity	2hr
			Immunoglobulin's	1hr
			Antigen antibody reaction	1hr
			Hypersensitivity	2hr
			Autoimmunity	
			Amyloidosis	1hr
			Homeopathic concept of immunity	1hr
		Environmental and nutritional diseases (2hrs)	Obesity	1hr
			Protein energy malnutrition	
5	SEPTEMBER		Vitamins	1hr



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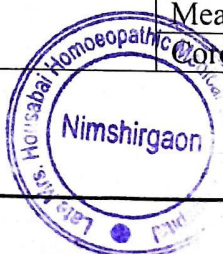
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		Gram negative bacilli (6hrs)	Escherchia Coli	1hr
			Shigella	1hr
			Salmonellae	1hr
			Klebsiella ,Proteus Yersinia	1hr
			Vibrio cholera	1hr
			Pseudomonas H.influenzae	1hr
		Human microbiome (1hrs)	Homeopathic concept'	1hr
			Gram negative bacilli (3hrs)	Bordetella pertussis
		Brucella		1hr
		Helicobacter pylori		1hr
Rickettsiae Chlamydia				
6	OCTOBER			
		Acid fast bacteria (4hrs)	Mycobacterium Tuberculosis	2hr
			Mycobacterium Leprae	2hr
TERM TEST I WINTER VACATION				
TERM II				
7	NOVEMBER			
		Spirochaetes (3hrs)	Borrelia,Leptospira	1hr
			Treponema pallidum	2hr
			Non venereal treponematoses	
		DNA viruses (11hrs)	Pox virus	1hr
			Papova virus-Human papillomavirus	1hr
			Herpes virus-	2hr
			a. Herpes simplex virus b. Varicella-zoster c. Cytomegaloviruses	1 hr
			8	DECEMBER
Adenoviruses	1hr			
Hepadna Virus-Hepatitis B virus	2hr			
Orthomyxovirus-Influenza virus	1hr			
RNA viruses (12hrs)	Paramyxovirus-Mumps	1hr		
	Measles; Rubella virus,RSV	1hr		
	Corona virus	1hr		



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9	JANUARY			
			Rhabdo virus-Rabies virus	2hr
			Picorna virus-Polio virus	1hr
			Arboviruses- Dengue Virus Chikungunya virus	1hr
			PA II	
10	FEBRUARY			
			Yellow fever	1hr
			Japanese encephalitis	
			Hepatitis virus- HAV C,D,E	1hr
			HIV Virus	2hr
		Emerging/re-emerging disease (2hrs)	Factors contributing to emerging/re- emerging disease State the emerging infections in India	2hr
11	MARCH			
		Fungi (3hrs)	General characteristic & classification of fungi	1hr
			Laboratory diagnosis of fungal infections State examples & types of Superficial, subcutaneous, systemic & opportunistic mycoses	1hr
			Describe the pathogenesis of Candidiasis Homeopathic concept	1hr
		Human microbiome	Homeopathic concept	1hr
12	APRIL	MUHS Examination		



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II PROFESSIONAL YEAR (CBDC 2022)

ADVANCE TEACHING PLAN

A/Y 2025-26

NAME OF TEACHER: Dr. S. M. SANGAVE

SR.NO	MONTH	MACRO TEACHING PLAN	MICRO TEACHING PLAN	NO. OF LECTURES REQUIRED FOR EACH TOPIC
TERM-I				
1	MAY	General Introduction to Pathology (3Hrs)	Basic definitions, Branches of Pathology, Contributions of important scientists to Pathology. Common terms for study of diseases	2 hr
			Definition of health & Diseases asper Homoeopathic philosophy. Homoeopathic concept of evolution of -disease and cure	1 hr
		Cell Injury & cellular adaptation (5Hrs)	Definition ,causes of cell injury	1 hr
			Cellular adaptation : Atrophy, Hyperplasia, Hypertrophy,	2 hr
			Metaplasia, Dysplasia, calcification	1 hr
			Biochemical and ultra structural changes of Reversible & Irreversible Cell Injury	1 hr
		Introduction to Parasitology (2Hrs)	Definition , types & Terminology of Parasitology	2 hr
		Protozoa: (9Hrs)	Entamoeba histolytica	2 hr
2	JUNE			
			Giardia lamblia & Trichomonas	1 hr
			Plasmodium	2 hr
			Toxoplasma gondii	1 hr
			Trypanosoma brucei & cruzi	1 hr



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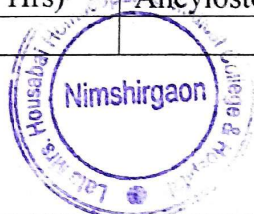
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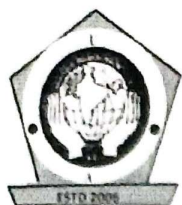
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			Leishmania donovania	2 hr
3	JULY			
		Haemodynamic disorder (10Hrs)	Definition & types of Oedema	1hr
			Etiopathogenesis of Oedema	1hr
			Hypermaemia & congestion	1 hr
			Shock	2 hr
			Thrombosis	2 hr
			Embolism	1 hr
			Ischaemia	1 hr
			Infarct	1 hr
		Inflammation & Repair (10 Hrs)	Definition ,causes & types of Inflammation	1 hr
			Pathogenesis of Acute Inflammation	1 hr
			Pathogenesis of Acute Inflammation	1 hr
4	AUGUST			
			PA I	
			Inflammatory cells	1 hr
			Morphology of Acute inflammation	1 hr
			Chemical mediators of Inflammation	1 hr
			Chronic inflammation Granuloma	2 hr
			Definition , types & Complication of Wound healing	1 hr
			Healing of fracture	1 hr
			Homeopathic aspect in Inflammation	
		Neoplasia (10Hrs)	Definition & Nomenclature of tumour	1 hr
5	SEPTEBER			
			Classification of tumour	1 hr
			Difference between Benign & malignant	1 hr
			Routes of Metastasis	1 hr
			Carcinogenesis	2 hr
			Paraneoplastic syndrome	1 hr
			Grading & staging of tumor	1 hr
			Lab diagnosis of cancer	1 hr
			Tumor Markers	
			Miasmatic concept of neoplastic disorder	1 hr
		Helminths- Nematodes (9 Hrs)	Introduction to Helminths	1 hr
			Ancylostoma d	1 hr
6	OCTOBER			



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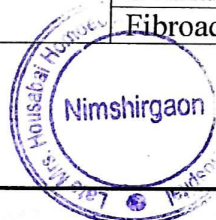
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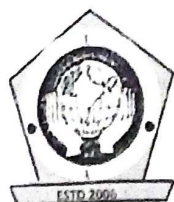
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			Ascaris lumbricoides	1 hr
			Enterobius Vermicularis	1 hr
			Strongyloides stercoralis	1 hr
			TERM TEST I	
			WINTER VACCATION	
TERM-II				
7	NOVEMBER			
			Trichuris Trichiura	1 hr
			Wuchereria Bancrofti	1 hr
			Brugiamalayi, Loa Loa, Onchocerca volvulus,	1 hr
			Dracunculus medenensis	1 hr
		Helminths- Cestodes (3Hrs)	Echinococcus granulosus	2 hr
			Taenia saginata & Taenia Solium	1 hr
		Helminths- Trematodes(2Hrs)	Paragonimus westermani	1 hr
			Schistosoma haematobium	
8	DECEMBER			
			Fasciola hepatica	1 hr
			Homeopathic concept in parasitic infection	
		Diseases of blood vessel & lymphatics (2Hr)	Atherosclerosis	1 hr
			Hypertension	1 hr
			Aneurysm	
			Tumours of blood vessels	
		Haematopoietic system ,bone marrow and blood (9Hrs)	Anaemia	2 hr
			Anaemia	2 hr
			Leukaemias	1 hr
			Leukaemias	1 hr
9	JANUARY			
			Bleeding disorder	1 hr
			Lymphoma, myeloma, splenomegaly	2 hr
		Diseases of male reproductive system & Prostate (1Hr)	Orchitis,epididymitis,Prostatitis BPH ,Ca Prostate	1 hr
			PA II	
10	FEBRUARY			
		Disease of Female genitalia & breast(4Hrs)	Cervicitis Leiomyomas	1 hr
			Ovarian tumors	1 hr
			Fibroadenoma of breast	1 hr



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			Ca breast	1 hr
		Disease of musculo-skeletal system(2Hrs)	Bone Tumors	1hr
			Osteoarthritis.Rheumatoid A.Gout	1hr
11	MARCH			
		Disease of endocrine glands-thyroid(2Hrs)	TFT.goiter	1hr
			Cushing Syndrome	1hr
			Gigantism	
			Acromegaly	
			Diabetes Insipidus & DM	
		Disease of Nervous system (1Hr)	Meningitis.CNS tumors	1hr
12	APRIL	MUHS Examination		

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ADVANCE TEACHING PLAN

A/Y 2025-26

NAME OF TEACHER: Dr. Sunil Patil

TERM-II				
7	NOVEMBER			
		Respiratory System (6Hrs)	Pulmonary Tuberculosis	1hr
			Pneumonia	1hr
			Lung Abscess	1hr
			COPD; a.Acute & Chronic Bronchitis	2hr
			b.Emphysema	
			c. Bronchial Asthma	
			d. Bronchiectasis	
		Disease of Oral Cavity & Salivary Gland & GIT (6Hrs)	Pneumoconiosis	1hr
			Lung Cancer	
			Oral leukoplakia	1hr
			Disease of GI system	1hr
			Reflux oesophagitis	
			Barrett's oesophagus	
			Carcinoma oesophagus	
			Gastritis	1hr
			Peptic ulcer	1hr
			Gastric carcinoma	
			Acute Appendicitis	1hr
			IBD	1hr
			Ca Colon	
			Intestinal tuberculosis	
			Liver function test	1hr
			Jaundice	
			Alcoholic liver disease	1hr
			Cirrhosis of liver	1hr
			Cholestasis	1hr
			Hepatocellular carcinoma	
			Acute & Chronic Pancreatitis	1hr
			DM : types Complications	

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ADVANCE TEACHING PLAN

A/Y 2025-26

NAME OF TEACHER: Dr. Rupali Salunkhe

9	JANUARY			
		Cardio Vascular System (5hrs)	IHD : Definition, aetiopathogenesis Angina Pectoris AMI : a. Definition, Aetiopathogenesis RHD: a. Definition, Aetiopathogenesis , C/F, Lab Diagnosis & Complications	1hr 1hr 1hr 1hr
10	FEBRUARY			
		Disease of kidney & lower urinary tract : (6Hrs)	Infective Endocarditis Renal Function Test Glomerular disease Nephritic & Nephrotic syndrome Glomerulonephritis Acute post-Streptococcal Glomerulonephritis Nephrolithiasis	1hr 1 hr 1 hr 1 hr 1 hr 1 hr 1 hr
11	MARCH			
			UTI Renal carcinoma Wilm's tumor	1 hr
		Diagnostic procedure in microbiology (2hrs)	Definition & types of vaccines Examination of blood Stool Examination, ABST	1hr 1hr
12	APRIL			
			MUHS Examination	

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Dept. of Pathology
Late Mrs. H.H.M.C.
Nimshirgaon





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**LATE MRS. HOUSABAI HOMOEOPATHIC MEDICAL
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(Approved by Ayush New Delhi, NCH New Delhi, Maharashtra State Govt. & Affiliated to MUHS Nashik)

DEPARTMENT OF PATHOLOGY & MICROBIOLOGY

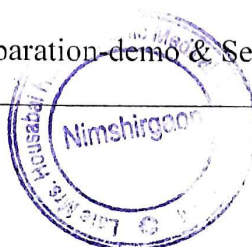
(HomUG-Path-M)

II PROFESSIONAL YEAR (CBDC 2022)

**Teaching Programme for the Non-lecture practical/Demonstrative
Academic year- 2025-2026**

SR. NO	MONTH	PRACTICAL TOPIC	PRACTICAL (HRS/MONTH)
		TERM-I	
1	MAY	Demonstration of common & latest equipments used in pathology & Microbiology Estimation of Hb	4 2
2	JUNE	Total count of RBC Total count of WBC BTCT	2 2 2
3	JULY	Blood Group Demonstration of methods of Sterilization. Demonstration of culture media Gram Staining	2 2 2 4
4	AUGUST	PA I Demonstration of Histopathology slides	4
5	SEPTEMBER	Demonstration of pathological Specimen/models Interpretation of laboratory reports & its clinic pathological correlation OSPE/Revision	3 1 2
6	OCTOBER	Term Test-I Winter Vacation	
		TERM-II	
7	NOVEMBER	Staining of thin & thick films Differential count ESR & Platelet Hanging drop preparation-demo & Semen Analysis	2 2 2 2

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8	DECEMBER	Urine Examination (physical, Chemical and Microscopic) Examination of Faeces-demo Acid fast staining-demo	4 2 2
9	JANUARY	Demonstration of Histopathology slides PA-II	6
10	FEBRUARY	Interpretation of laboratory reports & its clinic pathological correlation Demonstration of Specimen/models	4 4
11	MARCH	Demonstration of Specimen/models OSPE/Revision	2 2
12	APRIL	MUHS Examination	


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**Dept. of Pathology
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Principal

**Late Mrs. Housabai Homoeopathic
Medical College & Hospital, Nimshirgaon**