



DEPT. OF PATHOLOGY & MICROBIOLOGY

Academic Year 2025 - 2026

Academic Activities/Webinar/Workshop/CME/Activities in Last One Year.

College Code: 4205

Academic Planner/Advanced Teaching Plan Time Table (Year wise)

Details from MAY 2025 TO APRIL 2026

Sr. No.	Details	Total Number in Hours
1.	Lecture	200
2.	Symposium	00
3.	Practical/Clinics	80
4.	Inter-Departmental Seminars	01
5.	Seminar	10
6.	Case presentation	01
7.	Journal Club	01

No. of Webinars Arranged, Guest Lectures, Workshops & CME(Publish details on college website)

Sr. no.	Details of webinar, guest lectures, workshops & CME


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Dept. of Pathology,
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Medical College, Miraj




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DEPARTMENT OF PATHOLOGY & MICROBIOLOGY

TEACHING STAFF LIST 2025-2026

Sr. No.	Name of Staff	Designation	Qualification
01	DR. AJAY CHOUTHAI	H.O.D & Professor	M D (Patho.)
02	DR. SUKHADA JADHAV	Asso. Professor	B.H.M.S
03	DR. DIPALI NAYAKAVADI	Asst. Professor	M.D.(Hom.)

NON-TEACHING STAFF LIST 2025-26

Sr. No.	Name of Staff	Designation	Qualification
01	MRS. UJWALA NIRWANE	LAB TECHNICIAN	B.Sc. D.M.L.T.
02	SHARAD N. GIDDE	LAB ATTENDANT	10 TH
03			


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GPMT SCHOOL of
HOMOEOPATHY

Gulabrao Patil Homoeopathic Medical College & Hospital

ADVANCE TEACHING PROGRAMME
DEPARTMENT OF PATHOLOGY
& MICROBIOLOGY
(HomUG-Path-M)
II PROFESSIONAL YEAR (CBDC2022)
Academic year – 2025-2026

REQUIRED LECTURES & PRACTICALS

THEORY:200

PRACTICAL: 80

Faculty:

- 1) Dr.Ajay Chouthai
- 2) Dr. Sukhada Jadhav
- 3) Dr.Dipali Nayakavadi


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Academic Year 2025 - 2026

TERM WISE DISTRIBUTION

Contents for Term I

SR.NO.	THEORY TOPIC NAME
1	Introduction to Pathology
2	General Pathology
3	Introduction to Microbiology
4	Sterilization & disinfection
5	Culture medias & methods
6	Infection & diseases
7	Human micro biome
8	Gram positive bacteria's
9	Introduction to virology
10	Introduction to parasitology
11	Protozoan's

Contents for Term II

SR.NO.	THEORY TOPIC NAME
1	Systemic pathology
2	Gram negative bacteria's
3	Acid fast bacteria's
4	Spirochetes
5	Virology – DNA, RNA Virus
6	Parasitology Helminthes
7	Mycology
8	Diagnostic procedure of microbiology

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DEPARTMENT OF PATHOLOGY & MICROBIOLOGY
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II PROFESSIONAL YEAR (CBDC2022)
Academic year – 2025-2026**

SR.N O.	MONTH & NAME OF FACULTY	MACRO TEACHING PLAN	MICRO TEACHING PLAN	NO. OF LECTURES REQUIRED FOR EACH TOPIC
TERM – I				
1	May- 25			
	Dr. Ajay Chouthai	General introduction to Pathology (3Hrs)	Basic definitions, Branches of Pathology, Contributions of important scientists to Pathology, Common terms for study of diseases	2hrs
		Cell injury and cellular adaptation(10Hrs)	Definition, causes of Cell injury	1hr
			Cellular adaptation – Atrophy, Hyperplasia, Hypertrophy	2hrs
			Metaplasia, Dysplasia, Calcification	1hr
	Dr. Sukhada Jadhav	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

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		Bacterial spore Bacterial growth & nutrition	1hr
		Introduction to Parasitology (2Hrs)	2hrs
		Sterilization and disinfection (2hrs)	-Definitions & Methods of sterilization -Physical methods of sterilization 1hr
Dr. Dipali Nayakavadi		Virology introduction & bacteriophages (2hrs)	Introduction of Structure, Viral replication, Viral inclusion bodies, Pathogenesis & Lab diagnosis of Viral infections 1hr
			Classification Virus host interactions and its Significance in Homoeopathy 1hr
		General introduction to Pathology	Definition of health & disease as per Homoeopathic philosophy, Homoeopathic concept of evolution of disease and cure 1hr
2.	June- 25		
Dr. Ajay Chouthai		Morphology of Reversible cell injury	1hr
		Morphological forms of Irreversible cell injury – Necrosis, apoptosis	2hrs
		Gangrene	1hr
		Intracellular accumulation	1hr
Dr. Sukhada Jadhav		-Chemical methods of sterilization	1hr
		Identification & cultivation of bacteria (3hrs)	Staining methods Classification of bacteria 1hr
			Culture media 1hr

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			Culture methods	
		Protozoa (9hrs)	Entamoeba histolytica	2hrs
			Giardia lamblia & Trichomonas vaginalis	1hr
			Toxoplasma gondii	1hr
	Dr. Dipali Nayakavadi	Inflammation and repair	Homoeopathic aspect in inflammation	1hr
		DNA viruses- (11Hrs)	Adenoviruses	2hrs
			Pox virus	1hr
			Herpes virus- a) Herpes simplex virus	1hr
3.	July- 25			
	Dr. Ajay Chouthai	Inflammation and repair- (10Hrs)	Morphology of acute inflammation	1hr
			Chemical mediators of inflammation	1hr
			Chronic inflammation Granuloma	2hrs
	Dr. Sukhada Jadhav		Plasmodium	2hrs
		Infection and Disease (2hrs)	Leishmania species	2hrs
			Definition & types of infection Sources & transmission of infection Virulence of micro-organisms	1hr
			Exotoxins and Endotoxins Classification of infectious diseases Nosocomial infection	1hr

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		Gram positive cocci (5hrs)	Staphylococci	2hr
	Dr. Dipali Nayakavadi		b) Varicella-zoster c) Cytomegalo viruses d) Human herpes virus e) Epstein –Barr virus	4hrs
4.	August- 25			
	Dr. Ajay Chouthai		Definition, types & complications of Wound Healing	1hr
		Neoplasia- (10Hrs)	Definition & Nomenclature of Neoplasia	1hr
			Classification of tumours	1hr
			Differentiating features of benign and malignant neoplasms	1hr
			Routes of Metastasis	1hr
	Dr. Sukhada Jadhav		Pneumococci	1hr
			Streptococci	2hr
			Trypanosoma brucei & Cruzi	1hr
		Environmental and nutritional diseases (2hrs)	Obesity Protein energy malnutrition	1hr
			Vitamins	1hr
			PA I	
	Dr. Dipali Nayakavadi	RNA viruses (12Hrs)	Hepadna virus – Hepatitis B virus	2hrs
			Papova virus-Human papillomavirus	1hr
			Orthomyxovirus Influenza virus	1hr

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5.	September-25		Paraneoplastic syndromes	1hr
	Dr. Ajay Chouthai		Laboratory Diagnosis of Cancer Tumour markers	1hr
			Miasmatic concept of neoplastic disorder	1hr
		Diseases of the haematopoietic system, bone marrow and blood- (9Hrs)	Anaemia	2hrs
	Dr. Sukhada Jadhav	Immunopathology - (8Hrs)	Definition & types of Immunity	2hr
			Immunoglobulin	1hr
			Antigen antibody reaction	1hr
		Gram positive Aerobic bacilli (2Hrs)	Corynebacterium diphtheria	1hr
			Bacillus anthracis Bacillus cereus	1hr
		Gram positive Anaerobic bacilli (3Hrs)	Clostridium tetani	1hr
			Clostridium perfringens	1hr
	Dr. Dipali Nayakavadi		Paramyxovirus-Mumps, Measles	1hr
			Rubella virus, RSV	1hr
			Hepatitis virus – HAV, C,D,E	2hrs
6.	October- 25			

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	Dr. Ajay Chouthai		Anaemia	2hrs
	Dr. Sukhada Jadhav	GramNegativeCocci (2hrs)	Clostridium botulinum	1hr
			Clostridium Difficile	1hr
			Neisseria gonorrhoeae	1hr
			Neisseria meningitidis	1hr
		Immunopathology	Hypersensitivity Autoimmunity	2hr
	Dr. Dipali Nayakavadi		Picornavirus-Polio virus	1hr
			Arboviruses- Dengue virus	1hr
			TERM TEST I WINTER VACATION TERM II	
7.	November-25		Leukaemias	2hrs
	Dr. Ajay Chouthai		Haemorrhagic disorders	1hr
			Lymphoma, myeloma & Splenomegaly	2hrs
		Diseases of blood vessels and lymphatics (2Hrs)	Arteriosclerosis Atherosclerosis	1hr
			Hypertension Aneurysm Tumors of blood vessels	1hr
	Dr. Sukhada Jadhav	Gramnegativebacilli (6 hrs)	Escherichia coli	1hr
			Shigella	1hr
			Salmonellae	1hr
			Klebsiella Proteus	1hr

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			Yersinia	
		Immunopathology	Amyloidosis	1hr
			Homoeopathic concept of immunity	1hr
		Helminths - Nematodes (9Hrs)	Introduction to helminths	1hr
			Ankylostoma duodenale	1hr
	Dr. Dipali Nayakavadi		Arboviruse -Chikungunya virus Yellow fever Japanese encephalitis	3hrs
			Corona virus	1hr
8.	December-25	Diseases of the skin and soft tissue(1Hr)	Tumors of skin Soft tissue tumors	1hr
	Dr. Ajay Chouthai	Diseases of the musculo-skeletal system- (2Hrs)	Bone tumors	1hr
			Osteo arthritis Rheumatoid arthritis Gout	1hr
		Diseases of endocrine glands- (2Hrs)	TFT, Goitre	1hr
			Cushing syndrome Gigantism Acromegaly Diabetes Insipidus& DM	1hr
		Diseases of the nervous system (1Hr)	Meningitis CNS tumors	1hr
			Vibrio cholera	1hr

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Dr. Sukhada Jadhav		Pseudomonas	1hr
		H.influenzae	
	Human microbiome (2hrs)	Homoeopathic concept	2hrs
	Helminths - Nematodes	Ascaris lumbricoides	1hr
		Enterobius vermicularis	1hr
		Strongyloides stercoralis	1hr
		Trichuris trichiura	1hr
Dr. Dipali Nayakavadi		Rhabdovirus – Rabies virus	1hr
	Human microbiome	Homoeopathic concept	1hr
	Diseases of the Respiratory System (5Hrs)	Pulmonary Tuberculosis	1hr
Pneumonia Lung abscess		1hr	
9. January- 26	Diseases of cardiovascular system- (5Hrs)	MI - Definition, etio- pathogenesis	1hr
Dr. Ajay Chouthai		RHD Definition, etio- pathogenesis, C/F, Lab diag. complications	1hr
		Infective Endocarditis	1hr
Dr. Sukhada Jadhav	GramNegative bacilli (3hrs)	Bordetella pertussis	1hr
		Brucella	1hr
		Helicobacter pylori Rickettsiae Chlamydia	1hr

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		Helminths - Nematodes	Wuchereria bancrofti	1hr
			Brugiamalayi, Loa Loa, Onchocerca volvulus	1hr
			Dracunculus medinensis	1hr
	Dr. Dipali Nayakavadi		COPD – a) Chronic bronchitis b) Emphysema c) Bronchial Asthma d) Bronchiectasis	2hrs
			Pneumoconiosis, coal worker's pneumoconiosis Lung cancer	1hr
			PA II	
10	February-26	Diseases of kidney and lower urinary tract- (6Hrs)	Renal function tests	1hr
	Dr. Ajay Chouthai		Glomerular disease- Nephrotic syndrome, Acute nephritic syndrome	2hr
			Glomerulonephritis Acute Post Streptococcal Glomerulonephritis	1hr
			Nephrolithiasis	1hr
			UTI Renal Cell Carcinoma Wilm's tumour	1hr
		Diseases of the pancreas (1hr)	Acute & chronic Pancreatitis DM – Types & complications	1hr
		Haemodynamic disorders (10Hrs)	Definition & types of Oedema	1hr
	Dr. Sukhada Jadhav	Acid fast bacterias (4hrs)	Mycobacterium tuberculosis	2hrs
			Mycobacterium leprae	2hrs

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		Helminths – Cestodes (3hrs)	Echinococcus granulosus	2hrs
			Taenia saginata and Taenia solium	1hr
		Helminths – Trematodes (2hrs)	Paragonimuswestermani Schistosoma haematobium F. hepatica Homoeopathic concepts in parasitic infections	2hrs
	Dr. Dipali Nayakavadi	Diseases of the oral cavity and salivary glands and GIT - (6Hrs)	Oral leukoplakia	1hr
			Diseases of GI system: Reflux oesophagitis Barrett's oesophagus Carcinoma oesophagus	1hr
			Gastritis	1hr
			Peptic ulcer Gastric carcinoma	1hr
			Acute appendicitis	1hr
11	March-26		Hyperaemia & congestion	1hr
	Dr. Ajay Chouthai		Shock	2hrs
			Thrombosis	1hr
			Embolism	1hr
			Ischaemia	1hr
			Infarction	1hr
	Dr. Sukhada Jadhav	Spirochaetes (3 Hrs)	Borrelia, Leptospira	1hr
			Treponema pallidum Non venereal treponematoses	2hrs

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		Diseases of male reproductive system & prostate (1hr)	Orchitis, epididymitis, prostatitis, BPH, Ca prostate	1hr
		Diseases of female reproductive system & breast(4hrs)	Cervicitis, leiomyomas	1hr
			Ovarian tumors	1hr
			Fibroadenoma of breast	1hr
			Ca breast	1hr
	Dr. Dipali Nayakavadi		IBD Carcinoma Colon Intestinal tuberculosis	1hr
		Diseases of liver, gall bladder and biliary ducts- (4Hrs)	Liver Function Tests Jaundice	1hr
			Alcoholic Liver Disease Liver Cirrhosis	2hr
			Hepatocellular Carcinomas Cholelithiasis	1hr
12	April-26		MUHS EXAM	


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PRACTICALS (NON- LECTURES)

NAME OF TEACHER – DR. AJAY CHOUTHAI, DR. SUKHADA JADHAV
DR. DIPALI A. NAYAKAVADI

MONTH	SR. NO.	MACRO TEACHING PLAN	MICRO TEACHING PLAN	NO.OF PRACTICAL REQUIRED
TERM – I				
MAY-2025				
	1.	Commonly used instruments / Equipments in pathology laboratory:	1.Haemoglobinome ter 2.RBC pipette 3.WBC pipette 4.Neubauer's chamber 5.ESR tubes:Wintrobe Westergren 6.Urinometer 1.Haemoglobinome ter 2.RBC pipette 3.WBC pipette 4.Neubauer's chamber 5.ESR tubes:Wintrobe Westergren 6.Urinometer 7.Hot air oven 8.Autoclave 9.Incubator 10.Petri dish 11.Centrifuge 12.Waterbath 13.Inoculating loop etc.	4 Hrs
JUNE-2025				

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	1.	Use of microscope	-Parts of compound microscope - Identify the different parts of microscope -Learn the function of each part	1Hr
	2.	-Blood collection -Estimation of Haemoglobin	- Purpose of blood collection - Use of different anticoagulants -Estimation of Haemoglobin using Sahli's haemoglobinometer -Interpret of Haemoglobin concentration of the blood sample -Normal Haemoglobin content in children, adult males, Adult females	2Hrs
	3.	-Bleeding time – Duke's method -Clotting time- fingertip method	-Normal value of Bleeding time -Perform the experiment using Duke's method - Calculate the bleeding time of blood sample. -Factors involved in blood clotting - Sequence in clotting mechanism -Normal value of clotting time -Perform the experiment using fingertip method - Calculate the clotting time of blood sample.	2Hrs


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JULY-2025	1.	Microbiology: Demonstration of Methods of sterilisation: Using Hot air oven, Autoclave,	-Agents of sterilization Principles of dry heat and moist heat in process of sterilization -Observe the method of sterilization using hot air oven -Observe the method of sterilization using autoclave -Observe the method of sterilization using flaming	2Hrs
	2.	Common culture medias: Preparation of common culture media [Demonstration]	-Principle and technique of culture media preparation -Observe the steps of preparation of common culture media	1Hr
	3.	Blood grouping-A B O Grouping – Slide technique	-ABO blood group system RH blood group system -Estimation of blood group and Rh system using slide method -Interpret the results of experiment to determine the blood group and Rh grouping of blood sample. - Bombay blood group	2Hrs



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	4.	Erythrocyte sedimentation rate [Demonstration]	-Stages of sedimentation of RBCs Normal values of ESR -Observe the experiment using Westergren And wintrobe methods. -Interpret the value of ESR of blood sample	2Hrs
AUGUST-2025		PA- I		
	1.	Total Red Blood Cell Count	-Normal values of RBC count in children, Adult males, Adult females - The counting of RBC using haemocytometer -Calculate total RBC count of blood sample.	2Hrs
	2.	Total White blood cell count	-Normal values of WBC count in children,Adultmales, Adult females -The counting of WBC using haemocytometer -Calculate total WBC count of blood sample.	2Hrs
	3.	Differential count and morphology	-Normal values in percentage of each type of white blood cell. Morphology of various WBC -Examine the blood smear for counting of differential leucocyte count. -Calculate the differential leukocyte count of blood sample.	2Hrs
SEPT.-2025				
	1.	Platelet count [Demonstration]	-Normal value of Platelet count Principle and technique of counting of Platelet -Observe the experiment of counting of Platelet of blood sample	2Hrs


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			- Calculate platelet count of blood sample	
	2.	Motility preparation [Demonstration]	-Principle and technique of Motility preparation - Observe the procedure of Motility preparation -Interpret the results	1 Hr
	3.	Demonstration of gross pathological specimens / models	-Gross pathological changes in specimen as per General pathology and Systemic pathology topics - Identify the specimen - List three characteristic identification features of the specimen	3Hrs
	4.	Demonstration of common slides	-Observation of changes of particular condition.	1Hr
OCTOBER-25		TERM TEST I		
	1.	Staining of thick and thin films [Demonstration]	-Principle and technique of preparation of Staining of thick and thin films -Observe the procedure of staining of thin and thick blood film	2Hrs
	2.	Gram staining	-Principle and technique of Gram staining -Perform gram staining on the given sample -Observe under the microscope - Interpret the results.	2Hrs
	3.	Demonstration of gross pathological specimens / models	-Gross pathological changes in specimen as per General pathology and Systemic pathology topics - Identify the specimen - List three characteristic identification features of the specimen	2Hrs

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		TERM II WINTER VACATION		
NOV.-25				
	1.	Urine examination: Physical examination, Chemical examination, Microscopic examination	-Principle and technique of examination of urine -Clinical significance of examination of urine -Perform the examination of urine sample 2. Interpret the results	4Hrs
	2.	Examination of Faeces:Physical, :Microscopic, Chemical [Demonstartion]	-Principle and technique of examination of faeces -Clinical significance of examination of faeces -Observe the procedure of examination of faeces -Interpret the results of Examination of Faeces	2Hrs
	3.	Gram staining and Acid fast staining [Demonstration]	-Principle and technique of Acid fast staining -To observe the procedure of Acid fast staining -To observe the slide for presence of acid fast bacteria	2Hrs
DECEMBER-25				
	1.	Demonstration of hanging drop preparation	-Observe the method of hanging drop method -Interpretation of procedure	2Hrs
	2.	Semen analysis [Demonstration]	-Principle and technique of Semen analysis Clinical significance of semen analysis -Observe the procedure of examination of semen - Interpret the results of the test	1Hrs

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Dept. of Pathology & Microbiology

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	3.	Demonstration of common slides	-Histopathological changes of particular condition. -Observe the histopathology slide -Identify the distinguishing features of the given histopathology slide	4Hrs
	4.	Demonstration of gross pathological specimens / models	-Gross pathological changes in specimen as per General pathology and Systemic pathology topics -Identify the specimen - List three characteristic identification features of the specimen	2Hrs
JANUARY-26		PA- II		
	1.	Exposure to latest equipment:Auto analyzer, Cell counter, ELISA reader etc. [Demonstration]	-Identify the equipment -Observe the functioning of the Equipment	2Hrs
	2.	Demonstration of common slides	-Histopathological changes of particular condition. -Observe the histopathology slide -Identify the distinguishing features of the given histopathology slide	4Hrs
	3.	Demonstration of gross pathological specimens / models	-Gross pathological changes in specimen as per General pathology and Systemic pathology topics -Identify the specimen - List three characteristic identification features of the specimen	2Hrs
FEBRUARY-26				
	1.	Interpretation of laboratory reports and its clinico pathological correlation	-Significance of interpretation of laboratory tests for diagnosis - Identify whether laboratory report is normal or abnormal in relation to physiological values	4Hrs

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		-Complete Haemogram -Urine reports -Urine reports -Liver function tests -Renal function tests -Thyroid function tests	-Identify the probable reason for abnormal values in laboratory report and its clinical significance	
	2.	Demonstration of common slides	-Histopathological changes of particular condition. -Observe the histopathology slide -Identify the distinguishing features of the given histopathology slide	1Hr
	3.	Demonstration of gross pathological specimens / models	-Gross pathological changes in specimen as per General pathology and Systemic pathology topics -Identify the specimen - List three characteristic identification features of the specimen	1Hr
MARCH-26				
	1.	Interpretation of laboratory reports and its clinico pathological correlation-tests Lipid profile Diabetic profile Serum cardiac biomarkers Enzyme markers for necrosis Serological tests,	-Significance of interpretation of laboratory tests for diagnosis - Identify whether laboratory report is normal or abnormal in relation to physiological values -Identify the probable reason for abnormal values in laboratory report and its clinical significance	3Hr
	2.	REVISION- Haematological practicals		2Hrs


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	3.	REVISION- Microbiology practicals		1Hr
	4.	REVISION- slides		2Hrs
	5.	Revision- specimen/ models		2Hrs
APRIL-26			MUHS EXAM-2026	

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ADVANCE TEACHING PROGRAMME DEPARTMENT OF PATHOLOGY & MICROBIOLOGY

(HomUG-Path-M)

II PROFESSIONAL YEAR (CBDC2022) Academic year – 2025-2026

NAME OF TEACHER – DR. AJAY CHOUTHAI

SR.N O.	MONTH	MACRO TEACHING PLAN	MICRO TEACHING PLAN	NO. OF LECTURES REQUIRED FOR EACH TOPIC
TERM – I				
1	May 2025			
		General introduction to Pathology (3Hrs)	Basic definitions, Branches of Pathology, Contributions of important scientists to Pathology, Common terms for study of diseases	2hrs
		Cell injury and cellular adaptation(10Hrs)	Definition, causes of Cell injury	1hr
			Cellular adaptation – Atrophy, Hyperplasia, Hypertrophy	2hrs
			Metaplasia, Dysplasia, Calcification	1hr
SUMMER VACATION				
2.	June 2025		Biochemical and ultra structural changes in reversible cell injury	2hr
			Morphology of Reversible cell injury	1hr


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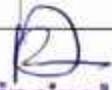
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			Morphological forms of Irreversible cell injury – Necrosis, apoptosis	2hrs
			Gangrene	1hr
			Intracellular accumulation	1hr
3.	July 2025	Inflammation and repair- (10Hrs)	Definition, Causes & types of inflammation	1hr
			Pathogenesis of Acute inflammation	1hr
			Pathogenesis of Acute inflammation	1hr
			Inflammatory cells	1hr
			Morphology of acute inflammation	1hr
			Chemical mediators of inflammation	1hr
			Chronic inflammation Granuloma	2hrs
4.	August 2025		PA - I	
			Definition, types & complications of Wound Healing	1hr
		Neoplasia- (10Hrs)	Definition & Nomenclature of Neoplasia	1hr
			Classification of tumours	1hr
			Differentiating features of benign and malignant neoplasms	1hr
			Routes of Metastasis	1hr
5.	September 2025		Carcinogenesis	2hrs
			Paraneoplastic syndromes	1hr
			Laboratory Diagnosis of Cancer Tumour markers	1hr


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			Miasmatic concept of neoplastic disorder	1hr
		Diseases of the haematopoietic system, bone marrow and blood- (9Hrs)	Anaemia	2hrs
6.	October 2025		Anaemia	2hrs
			Term test I Winter vacation	
			TERM II	
7.	November 2025		Leukaemias	2hrs
			Haemorrhagic disorders	1hr
			Lymphoma, myeloma & Splenomegaly	2hrs
		Diseases of blood vessels and lymphatics (2Hrs)	Arteriosclerosis Atherosclerosis	1hr
			Hypertension Aneurysm Tumors of blood vessels	1hr
8.	December 2025	Diseases of the skin and soft tissue(1Hr)	Tumors of skin Soft tissue tumors	1hr
		Diseases of the musculo-skeletal system- (2Hrs)	Bone tumors	1hr
			Osteo arthritis Rheumatoid arthritis Gout	1hr
			TFT, Goitre	1hr

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		Diseases of endocrine glands- (2Hrs)	Cushing syndrome Gigantism Acromegaly Diabetes Insipidus & DM	1hr
		Diseases of the nervous system (1Hr)	Meningitis CNS tumors	1hr
9.	January 2026	Diseases of cardiovascular system- (5Hrs)	IHD - Definition, etio- pathogenesis	1hr
			Angina Pectoris	1hr
			MI - Definition, etio- pathogenesis	1hr
			RHD Definition, etio- pathogenesis, C/F, Lab diag. complications	1hr
			Infective Endocarditis	1hr
			PA - II	
10	February 2026	Diseases of kidney and lower urinary tract- (6Hrs)	Renal function tests	1hr
			Glomerular disease- Nephrotic syndrome, Acute nephritic syndrome	2hr
			Glomerulonephritis Acute Post Streptococcal Glomerulonephritis	1hr
			Nephrolithiasis	1hr
			UTI Renal Cell Carcinoma Wilm's tumour	1hr
		Diseases of the pancreas (1hr)	Acute & chronic Pancreatitis DM – Types & complications	1hr


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		Haemodynamic disorders (10Hrs)	Definition & types of Oedema	1hr
11	March 2026		Etiopathogenesis of Oedema	1hr
			Hyperaemia & congestion	1hr
			Shock	2hrs
			Thrombosis	1hr
			Embolism	1hr
			Ischaemia	1hr
			Infarction	1hr
12	April 2026		MUHS EXAM	

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**ADVANCE TEACHING PROGRAMME
DEPARTMENT OF PATHOLOGY & MICROBIOLOGY
(HomUG-Path-M)
II PROFESSIONAL YEAR (CBDC2022)
Academic year – 2025-2026**

NAME OF TEACHER – DR. SUKHADA JADHAV

SR.N O.	MONTH	MACRO TEACHING PLAN	MICRO TEACHING PLAN	NO.OF LECTURES REQUIRED FOR EACH TOPIC
TERM – I				
1	May 2025			
		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

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		Introduction to Parasitology (2Hrs)	Definition, types & Terminology of parasitology	2hrs
		Sterilization and disinfection (2hrs)	-Definitions & Methods of sterilization -Physical methods of sterilization	1hr
			SUMMER VACATION	
2	June 2025		-Chemical methods of sterilization	1hr
		Identification & cultivation of bacteria (3hrs)	Staining methods Classification of bacteria	1hr
			Culture media	1hr
			Culture methods	1hr
		Protozoa (9hrs)	Entamoeba histolytica	2hrs
			Giardia lamblia & Trichomonas vaginalis	1hr
			Toxoplasma gondii	1hr
3	July 2025		Plasmodium	2hrs
			Leishmania species	2hrs
		Infection and Disease (2hrs)	Definition & types of infection Sources & transmission of infection Virulence of micro-organisms	1hr
			Exotoxins and Endotoxins Classification of infectious diseases Nosocomial infection	1hr
		Gram positive cocci (5hrs)	Staphylococci	2hr
			Pneumococci	1hr
4	August 2025		Streptococci	2hr

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			Trypanosoma brucei & Cruzi	1hr
		Environmental and nutritional diseases (2hrs)	Obesity	1hr
			Protein energy malnutrition	
			Vitamins	1hr
			PA I	
5	September 2025	Immunopathology - (8Hrs)	Definition & types of Immunity	2hr
			Immunoglobulin	1hr
			Antigen antibody reaction	1hr
		Gram positive Aerobic bacilli (2Hrs)	Corynebacterium diphtheria	1hr
			Bacillus anthracis Bacillus cereus	1hr
		Gram positive Anaerobic bacilli (3Hrs)	Clostridium tetani	1hr
Clostridium perfringens	1hr			
6	October 2025		Clostridium botulinum Clostridium Difficile	1hr
		GramNegativeCocci (2hrs)	Neisseria gonorrhoeae	1hr
			Neisseria meningitidis	1hr
		Immunopathology	Hypersensitivity Autoimmunity	2hr
			TERM TEST I WINTER VACATION	
	TERM II			
7	November 2025	Gramnegativebacilli (6 hrs)	Escherichia coli	1hr
			Shigella	1hr
			Salmonellae	1hr

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			Klebsiella Proteus Yersinia	1hr
		Immunopathology	Amyloidosis	1hr
			Homoeopathic concept of immunity	1hr
		Helminths - Nematodes(9Hrs)	Introduction to helminths	1hr
			Ankylostoma duodenale	1hr
8	December 2025		Vibrio cholera	1hr
			Pseudomonas H.influenzae	1hr
		Human microbiome(2hrs)	Homoeopathic concept	2hrs
		Helminths - Nematodes	Ascaris lumbricoides	1hr
			Enterobius vermicularis	1hr
			Strongyloides stercoralis	1hr
			Trichuris trichiura	1hr
9	January 2026	GramNegative bacilli (3hrs)	Bordetella pertussis	1hr
			Brucella	1hr
			Helicobacter pylori	1hr
			Rickettsiae	
			Chlamydia	
		Helminths - Nematodes	Wuchereria bancrofti	1hr
			Brugiamalayi, Loa Loa, Onchocerca volvulus	1hr
			Dracunculus medinensis	1hr
			PA II	
10	February 2026	Acid fast bacterias (4hrs)	Mycobacterium tuberculosis	2hrs
			Mycobacterium leprae	2hrs
		Helminths – Cestodes (3hrs)	Echinococcus granulosus	2hrs
			Taenia saginata and Taenia solium	1hr

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		Helminths – Trematodes (2hrs)	Paragonimuswestermani Schistosoma haematobium F. hepatica Homoeopathic concepts in parasitic infections	2hrs
11	March 2026	Spirochaetes (3 Hrs)	Borrelia, Leptospira	1hr
			Treponema pallidum Non venereal treponematoses	2hrs
		Diseases of male reproductive system & prostate	Orchitis, epididymitis, prostatitis, BPH, Ca prostate	1hr
		Diseases of female reproductive system & breast(4hrs)	Cervicitis, leiomyomas	1hr
			Ovarian tumors	1hr
			Fibroadenoma of breast	1hr
			Ca breast	1hr
12	April 2026		MUHS EXAM	


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**ADVANCE TEACHING PROGRAMME
DEPARTMENT OF PATHOLOGY & MICROBIOLOGY
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II PROFESSIONAL YEAR (CBDC2022)
Academic year – 2025-2026**

NAME OF TEACHER – DR. DIPALI A. NAYAKAVADI

SR.N O.	MONTH	MACRO TEACHING PLAN	MICRO TEACHING PLAN	NO. OF LECTURES REQUIRED FOR EACH TOPIC
TERM – I				
1	May 2025	Virology introduction & bacteriophages (2hrs)	Introduction of Structure, Viral replication, Viral inclusion bodies, Pathogenesis & Lab diagnosis of Viral infections	1hr
			Classification Virus host interactions and its Significance in Homoeopathy	1hr
		General introduction to Pathology	Definition of health & disease as per Homoeopathic philosophy, Homoeopathic concept of evolution of disease and cure	1hr
SUMMER VACATION				
2	June 2025	Inflammation and repair	Healing of Fracture Homoeopathic aspect in inflammation	1hr
		DNA viruses- (11Hrs)	Adenoviruses	2hrs
			Pox virus	1hr
3	July 2025		Herpes virus- a) Herpes simplex virus	1hr
			b) Varicella-zoster	4hrs



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			c) Cytomegalo viruses d) Human herpes virus e) Epstein –Barr virus	
4	August 2025		PA – I	
			Hepadna virus – Hepatitis B virus	2hrs
			Papova virus-Human papillomavirus	1hr
		RNA viruses (12Hrs)	Orthomyxovirus Influenza virus	1hr
5	September 2025		Paramyxovirus-Mumps, Measles	1hr
			Rubella virus, RSV	1hr
			Hepatitis virus – HAV, C,D,E	2hrs
6	October 2025		Picornavirus-Polio virus	1hr
			Arboviruses– Dengue virus	1hr
			TERM TEST I Winter vacation	
			TERM - II	
7	November 2025		Arboviruse -Chikungunya virus Yellow fever Japanese encephalitis	3hrs
			Corona virus	1hr
8	December 2025		Rhabdovirus – Rabies virus	1hr
		Human microbiome	Homoeopathic concept	1hr
		Diseases of the Respiratory System (5Hrs)	Pulmonary Tuberculosis	1hr
			Pneumonia Lung abscess	1hr
9	January 2026		COPD – a) Chronic bronchitis b) Emphysema c) Bronchial Asthma d) Bronchiectasis	2hrs

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			Pneumoconiosis, coal worker's pneumoconiosis Lung cancer	1hr
			PA II	
10	February 2026	Diseases of the oral cavity and salivary glands and GIT - (6Hrs)	Oral leukoplakia	1hr
			Diseases of GI system: Reflux oesophagitis Barrett's oesophagus Carcinoma oesophagus	1hr
			Gastritis	1hr
			Peptic ulcer Gastric carcinoma	1hr
			Acute appendicitis	1hr
11	March 2026	Diseases of liver, gall bladder and biliary ducts- (4Hrs)	IBD Carcinoma Colon Intestinal tuberculosis	1hr
			Liver Function Tests Jaundice	1hr
			Alcoholic Liver Disease Liver Cirrhosis	2hr
			Hepatocellular Carcinomas Cholelithiasis	1hr
12	April 2026		MUHS EXAMINATION	


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BOOK LIST 2025-26

SR. NO.	NAME OF BOOK	ACCESS NO.	AUTHOR
1	T.B OF PATHOLOGY 7 TH EDITION	1394	HARSH MOHAN
2	QUICK REVIEW PATHOLOGY 8 TH EDITION	14434	HARSH MOHAN
3	PRACTICAL PATHOLOGY 4 TH EDITION	14073	HARSH MOHAN
4	T.B OF MICROBIOLOGY 9 TH EDITION	13672	ANANTHARAYAN & PANIKER'S
5	CLINICAL PATHOLOGY	14067	S KAWTHALKAR
6	MEDICAL PARASITOLOGY 7 TH EDITION	14069	PANIKER'S
7	T.B OF MEDICAL MICROBIOLOGY	11840	SATISH GUPTA
8	PRACTICAL EXAMINATION IN MICROBIOLOGY	14186	PATWARDHAN
9	MEDICAL MICROBIOLOGY	14457	A SHASTRI
10	MCQ IN PATHOLOGY	7201	A SHAH
11	MCQ IN PATHOLOGY	7189	M BHARADWAJ
12	MICROBIOLOGY MCQ	7165	SHARMA

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DEPARTMENT OF PATHOLOGY & MICROBIOLOGY

LIST OF EQUIPMENTS FOR PATHOLOGY & MICROBIOLOGY LABORATORY

Details of items/ Equipment etc. available as per schedule- III of HCC(MSR)- march 2024 regulations.

SR. NO.	NAME OF THE ARTICLE	QUANTITY REQUIRED	AVAILABLE
1.	Hot air oven (50°C) for special standing	1	01
2.	Centrifuge machine electric roto fix	2	02
3.	Water bath	4	04
4.	Glass ware	As required	As required
5.	Beaker 100 ml	30 pcs	30 pcs
6.	Glass cylinder 100 ml	30 pcs	30 pcs
7.	Test tubes	100 pcs	100 pcs
8.	Test tubes	100 pcs	100 pcs
9.	Glass rods (1 feet)	30 pcs	30 pcs
10.	Glass slides (microscopy)	200 pcs	200 pcs
11.	Glass cover slip	300 pcs	300 pcs
12.	Glass dropper	30 pcs	30 pcs
13.	Conical flask	15 pcs	15 pcs
14.	a) Stains: i) Leishman stain ii) buffer solution iii) deionized water	As required	As required





<p>b) Gram stain: i) Crystal violet ii) gram iodine iii) Acetone iv) Safranin</p> <p>c) Zeihl nelson stain: i) Carbol-fuchsin ii) Concentrated sulphuric acid iii) Methylene blue</p> <p>d) Heat & acetic acid test: For presence of albumin in urine: i) 96% glacial acetic acid ii) Deionized water</p> <p>e) Benedict's qualitative test: For presence of sugar in urine: i) benedict's qualitative reagent</p> <p>f) Rothera's test: For presence of ketone bodies in urine: i) Ammonium sulphate ii) sodium nitroprusside iii) Liquor ammonia</p> <p>g) Total WBC count: i) WBC diluting fluid</p> <p>h) Total RBC count: i) RBC diluting fluid</p> <p>i) Haemoglobin estimation by calorimeter</p> <p>j) Drabkin's solution</p> <p>k) Hb standard</p> <p>l) N/10 hydrochloric acid (HCL) by acid haematin method by sahli's haemoglobinometer</p>		
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15.	Blood grouping reagent anti a, anti b, anti d	As required	As required
16.	For stool test for ova, parasite, cyst Lugol's iodine	As required	As required
17.	a) Material for preparing media: i) Nutrient agar media ii) Macconkey's media iii) Lowenstein Jensen media iv) sterile petri dish v) Nichrome wire loop holder vi) Deionized water	As required	As required
18.	a) Materials required for histopathology: i) mechanical rotary microtome ii) Hot air oven iii) Water bath iv) chemicals: a) Acetone b) 2-propanol c) Xylene d) Dpxmountant e) Formaldehyde 37% f) Glycerol g) Formic acid 85% h) Papanicolaou solution i) Methylene blue v) Cover glass slip: 22×22mm/ 18×18 mm b) slide box c) Dropping bottle d) Diamond pencil e) L mould f) Cassette	01 01 01 As required As required	01 01 01 As required As required

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	g) Haematoxyline and eosin stain (h&e): powder h) Hcl 35%: 500 ml i) Nitric acid: 500 ml j) Slides k) Small forceps (tooth & without tooth)2 l) Steel scale m) Scissors n) Glass jar		
19.	Incubator	02	02
20.	Haemocytometer with RBC and WBC pipettes	25	25
21.	Sahli's haemoglobinometer	25	25
22.	Autoclave	02	02
23.	Anaerobic apparatus	02	02
24.	Stopwatch1/2 sec	02	02
25.	Ph meter	01	01
26.	Microscopes with oil immersion lens, movable stage and condenser	45	45
27.	High power centrifuge for serological/haematological work	01	01
28.	Westergren's pipette for Erythrocyte sedimentation rate estimation	10	10
29.	Wintrobe haematocrit tube for Erythrocyte sedimentation rate and packed cell volume	10	10
30.	Colony counter	01	01
31.	Coplin jars	02	02


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32.	Computer with accessories	01	01
33.	Calorimeter and Auto analyzer	01	01
34.	Elisa reader for serological test	01	01
35.	Pathological specimens	25	25
36.	Urinometer (other than mercury)	02	02

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DEPARTMENT OF PATHOLOGY & MICROBIOLOGY

HISTOPATHOLOGICAL SLIDES CHART LIST (2025- 2026)

- 1) ACUTE APPENDICITIS
- 2) CHRONIC APPENDICITIS
- 3) GRANULATION TISSUE
- 4) TB LYMPH NODE
- 5) TB LUNG
- 6) FATTY LIVER
- 7) COLLOID GOITER
- 8) FIBROADENOMA BREAST
- 9) BASAL CELL CARCINOMA
- 10) SQUAMOUS CELL CARCINOMA
- 11) SQUAMOUS PAPILLOMA
- 12) OSTEOSARCOMA BONE



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LIST OF CHARTS 2025-2026

1. PIONEERS OF PATHOLOGY & MICROBIOLOGY
2. COMPOUND MICROSCOPE
3. DIARRHOEA
4. PATHOGENIC PROTOZOA
5. MORPHOLOGY OF TAENIA SOLIUM
6. TYPHOID
7. E. COLI
8. LIFE CYCLE OF TAENIA SOLIUM
9. LIFE CYCLE OF TAENIA SAGINATA
10. LIFE CYCLE OF ANCYLOSTOMA DUODENALE
11. LIFE CYCLE OF TRICHURIS TRICHIURA
12. LIFE CYCLE OF ENTAMOEBA HISTOLYTICA
13. MORPHOLOGY OF ENTAMOEBA HISTOLYTICA
14. HEART ATTACK CHOLESTEROL ESTIMATION
15. HUMAN CIRCULATORY SYSTEM
16. LIFE CYCLE OF PLASMODIUM
17. ASCARIS LUMBRICOID STRUCTURE
18. MORPHOLOGY OF ECHINOCOCCUS GRANULOSUS
19. FILARIASIS (L.H)
20. MORPHOLOGY OF ANCYLOSTOMA (HOOKWORM)
21. LIFE CYCLE OF ANCYLOSTOMA DUODENALE
22. LIFE CYCLE OF PLASMODIUM
23. SPREAD OF PARASITIC INFECTION TO MAN
24. LABORATORY DIAGNOSIS OF KALA AZAR
25. DEFENCE OF VITAMINS
26. ACUTE MYELOBLASTIC & CHRONIC MYELOID LEUKAEMIA
27. ACUTE LYMPHOBLASTIC & CHRONIC LYMPHOCYTIC LEUKAEMIA

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Dept. of Pathology & Microbiology

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795, Gulabrao Patil Educational Campus, Near Govt. Milk Dairy, Miraj - 416410
Telephone: 0233-2212147



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28. DIFFERENCE BETWEEN ACUTE RHEUMATIC FEVER & ACUTE GLOMERULONEPHRITIS
29. DIFFERENCE BETWEEN OBSTRUCTIVE & HEPATOCELLULAR JAUNDICE
30. ARRANGEMENT OF BACILLI
31. ARRANGEMENT OF COCCI
32. ARRANGEMENT OF CURVED BACTERIA
33. TYPES OF BACTERIAL SPORES
34. DIFFERENCE BETWEEN EXOTOXIN & ENDOTOXIN
35. DIFFERENT TYPES OF VIRUSES
36. CLASSIFICATION OF ANAEMIA
37. IRON DEFICIENCY ANAEMIA
38. HAEMOLYTIC ANAEMIA
39. MEGALOBLASTIC ANAEMIA
40. DIMORPHIC ANAEMIA
41. MICROCYTIC HYPOCHROMIC ANAEMIA
42. THROMBOCYTOPENIA
43. CAUSES OF APLASTIC ANAEMIA
44. MORPHOLOGIC ABNORMALITIES OF RED CELL
45. GALL STONE
46. CAUSES OF PANCYTOPENIA
47. CELLULAR RESPONSE OF CELL INJURY
48. MORPHOLOGY & FUNCTION OF INFLAMMATORY CELL
49. DIFFERENCE BETWEEN ACTIVE IMMUNITY & PASSIVE IMMUNITY
50. DIFFERENCE BETWEEN SARCOMA & CARCINOMA
51. CONTRASTING FEATURES OF BENIGN & MALIGNANT TUMOR
52. CLASSIFICATION OF CULTURE MEDIA

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DEPARTMENT OF PATHOLOGY AND MICROBIOLOGY

SPECIMEN LIST 2025-2026

Total Specimen – 131

GENERAL – 26

GIT – 29

FEMALE REPRODUCTIVE SYSTEM – 24

PARASITES – 18

EXCRETORY – 09

MALE REPRODUCTIVE SYSTEM – 03

MOUNTED – 22

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LIST OF SPECIMENS:

GENERAL- TOTAL 26 SPECIMENS

- | | |
|---------------------------------|--|
| 1. Solid Teratoma | 2. Sarcoma of Humerus |
| 3. Lipoma | 4. Follicular Adenoma of Thyroid Gland |
| 5. Multinodular Goiter | 6. Adenoma Thyroid |
| 7. Fibroma | 8. Nodular Goiter |
| 9. Malignant Ulcer | 10. Lymphadnitis |
| 11. Teratoma(Dermoid Cyst) | 12. Lymphoma |
| 13. Dysgerminoma | 14. Caseating Tubercles Lymphadnitis |
| 15. Cyst | 16. Epidermoid Cyst |
| 17. Fibrocystic Cyst | 18. Solid Seminoma |
| 19. Benign Cyst Teratoma | 20. Micinius Cystadonoma |
| 21. Infiltrating Ca. of Stomach | 22. Multinodular Goiter Thyroid |
| 23. Solid Teratoma | 24. Tuberculosis of Lung |
| 25. Cut section of Heart | 26. Chronic Cystises |
| 27. Neurofibroma | 28. Gangrenous foot |

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GIT- TOTAL 29 SPECIMENS

- | | |
|-------------------------------------|---------------------------------------|
| 1. Ca. of Tongue | 2. Ca. Rectum |
| 3. Ca Oesophagus | 4. Carcinoma of Rectum |
| 5. Ca of Rectum | 6. Ca. of Intestine |
| 7. Ca Stomach | 8. Ca Colon |
| 9. Ileocecal Tuberculosis | 10. Ca Stomach |
| 11. Ca Colon | 12. Ca. Intestine |
| 13. Gangrene of Small Intestine | 14. Ca. Stomach with Linitus Plastica |
| 15. Malignant Ulcer of Stomach | 16. Acute Appendicitis |
| 17. Ca Tongue | 18. Gall stone |
| 19. Gall Stone with Chronic | 20. T.B. Of Intestine |
| 21. Ca Colon | 22. Ca Colon |
| 23. Coleritheasis with Colecystitis | 24. Spleen |
| 25. Carcinoma Of Stomach | 26. Ca Stomach |
| 27. Intestinal Volulus Gangrene | |
| 28. PERFOARATION of Stomach | 29. CA Intestine |

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FEMALE REPRODUCTIVE -TOTAL 24 SPECIMENS

- | | |
|--------------------------------------|---------------------------------|
| 1. Broad Ligament Leiomyoma | 2. Submucous Leiomyoma |
| 3. Ca Ovary | 4. Ca Ovary |
| 5. Carcinoma of Cervix | 6. Carcinoma of Cervix |
| 7. Ca Cervix | 8. Ca Cervix |
| 9. Ovarian Cyst | 10. Ovarian Cyst |
| 11. Ovarian Cyst Mass | 12. Leiomyoma with Ovarian Cyst |
| 13. Bisected Leiomyoma | 14. Leiomyoma of Uterus |
| 15. Uterus with Benign Cyst Teratoma | 16. Leiomyoma of Uterus |
| 17. Ovarian cyst Uterus & Adnexa | 18. Bilateral Salpingitis |
| 19. Endometrial Uterus | 20. Fibroma of Cervix |
| 21. Neurofibroma of Uterus | 22. Ca. Breast |
| 23. Ca Breast | 24. Ca Breast |
| 25. Ca Breast | 26. Ca Breast |


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LIST OF SPECIMENS OF PARASITES – TOTAL 18 SPECIMENS

1. TAPE WORM
2. HOOK WORM
3. GUNIEA WORM
4. WHIP WORM
5. CYCLOPS
6. ASCARIS MALE
7. ASCARIS FEMALE
8. ASCARIS MALE FEMALE
9. DRACUNCULUS
10. TAENIA SAGINATA
11. TAENIA SOLIUM
12. ENTROBIUS
13. GUNIA WORM
14. ANCYLOSTOMA
15. FILARIA
16. DOG TAPE WORM
17. ASCARIS LUMBRICOID
18. HYATID CYST


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EXCRETORY – TOTAL 09 SPECIMENS

1. Hypernephroma of Kidney
2. Hyernephroma Kidney
3. Nephroma
4. Renal Cell Carcinoma Kidney
5. Renal Cell Carcinoma
6. Renal tuberculosis
7. Ca K Kidney
8. Hypernephroma of Kidney
9. Multiple Kidney Abscess

Male Reproductive System – TOTAL 03 SPECIMENS

1. Ca of penis
2. Ca of penis
3. Ca of Testis

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LIST OF MODELS (2025-2026)

1. LUNG (T.B / EMPHYSEMA / PNEUMONIA)
2. SKIN MODEL (SKIN CANCER / ECZEMA)
3. KINDNEY (RENAL CALCULI)
4. LIVER (LIVER CIRRHOSIS/ JAUNDICE)
5. HEART (RHEUMATIC FEVER)
6. GALL STONE
7. CA INTESTINE
8. DENTAL CRIES
9. FRACTURE OF BONE
10. GANGRENE OF FOOT (DIABETIC FOOT)
11. URINARY TRACT (UTI)
12. PELVIS MODEL
13. CORONA VIRUS
14. OSTEOARTHRITIS
15. AMYLOIDOSIS OF SPLEEN
16. ATHEROSCLEROSIS, THROMBOSIS & EMBOLISM
17. CA OF COLON
18. PVC DISEASE (PANCREASE, SPLEEN & GALL BLADDER)
19. BACTERIA GRAM POSITIVE & GRAM-NEGATIVE CELL WALL MODEL
20. BACTERIA CELL MODEL
21. Life cycle of Tape Worm
22. Life cycle of Malaria
23. Ascaris
24. Tape Worm
25. Tape Worm Scolex
26. HIV
27. BACT. CELL WALL

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- 5) TB LUNG
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LIST OF TRANSPARENT SHEETS (2025-2026)

1. Difference between Bacteria/Virus & Protozoa
2. Grams Staining
3. Viruses
4. Hepatitis Virus
5. Protozoa Cysts
6. Cell Mediated & Humoral Immunity
7. Lymphatic drainage & cervical L N
8. Lymphatic Vessel disorders
9. Lymphedema
10. Chronic Venous Ulcer
11. Hemangioma / Actinomycosis
12. Neurofibromatosis
13. Tumors of Face / Epi. Cell
14. Neoplasm
15. Sebaceous Cyst / Melanoma
16. Ulcerative
17. Pharyngeal pouch non development
18. Thyroglossal cyst & Goiter
19. Neoplasms of Oral cavity
20. Parotid tumor
21. Tumors of Parotid
22. Breast N. & diseases
23. Breast Microscopy



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24. Disorders of nipples
25. Nipple diseases
26. Fibroadenoma breast
27. Fibroadenoma breast
28. Breast abscess
29. Breast diseases
30. CA – Breast
31. Gastric Ulcer
32. Gastric duodenal ulcer
33. Appendix & Sigmoid colon
34. Appendicitis
35. Diverticular diseases of colon
36. Cystic enlargement of kidney
37. Disorders of male genitalia
38. Endocrine disorders
39. Sq. & Breast cell carcinoma
40. Ca. of ileum & acute appendicitis
41. Ca. Pancreas
42. Bone Neoplasia
43. Ca – Panis
44. Hematological apparatus
45. Hematological sample collection
46. Blood group Rh & Ng.
47. Urinary cysts & stone
48. Normal value of blood plasma constituents
49. Hydatid diseases
50. Stool Exam. Helminthic eggs.


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