

DEPARTMENT OF PATHOLOGY AND MICROBIOLOGY STAFF LIST 2023-2024

SR.NO	NAME OF STAFF	DESIGNATION	QUALIFICATION
1	DR.AJAY CHOUTHAI	H.O.D & PROFESSOR	M.D (PATHOLOGY)
2	DR.SUKHADA JADHAV	GUEST ASSO.PROFESSOR	B.H.M.S
3	DR SHWETA PATIL	ASST.PROFESSOR	M.D (HOM)
4	MRS.UJJAWALA NIRWANE	LAB.TECHNICIAN	B.Sc D.M.L.T

Dept. of Particulty.
**Tebrac Fatil Homoeopampo
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Gulabrao Patil Homoeopathic
Medical College, Miraj

DEPARTMENT OF PATHOLOGY AND MICROBIOLOGY

ACADEMIC YEAR 2023-2024

ACADEMIC ACTIVITIES/WEBINAR/WORKSHOP/CME/ACTIVITIES IN THE YEAR 2023-2024

COLLEGE CODE: 4205

ACADEMIC PLANNER/ ADVANCED TEACHING PLAN, TIME TABLE
DETAILS FROM JULY 2023 TO AUGUST 2024

SR.NO	DETAILS	TOTAL NUMBER
1	LECTURE	240
2	SYMPOSIUM	04
3	PRACTICAL/CLINICS	240
4	INTER- DEPARTMENTAL	_
4	SEMINARS	-
5	SEMINAR	20
6	CASE PRESENTATION	05
7 JOURNAL CLUB		04

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DEPARTMENT OF PATHOLOGY AND MICROBIOLOGY ADVANCED TEACHING PLANNER 2023-2024

JULY 2023

Dr.Ajay Chouthai

Introduction to Pathology
Cell injury and Adaptation

Dr Shweta Patil

Introduction to Parasitology, Important terms in Parasitology

Host-Parasite relationship

Characteristics of Nematodes, Trichuris trichuira, Strongyloides stercoralis

Dr Sukhada Jadhav

Introduction to Microbiology, History of Bacteriology, Robert Koch, Louis Pasture
Bacterial Morphology, Staining Characteristics, Structure, Growth & Nutrition.
Sterilization & Disinfection.

AUGUST 2023

Dr.Ajay Chouthai

Introduction to Haematology and Erythroid series, Haematopoiesis
Introduction to Systemic Pathology
Inflammation and Healing.





Dr Shweta Patil

Ancylostoma duodenale

Ascaris lumbricoides

Enterobius vermicularis

Introduction, classification and Types of Anaemia

Dr Sukhada Jadhav

Culture media, constituents, uses and types.

Culture Methods

Identification of Bacteria

Infection

Immunity

SEPTEMBER 2023

Dr.Ajay Chouthai

Oedema, Shock.

Anaemia of Chronic Disorders

Haemolytic anaemia

Hereditary & Acquired anaemias

Dr Shweta Patil

Wuchreria bancrofti

Dracunculus medinensis

Hypersensitivity reaction

Auto-immune diseases

Hypochromic anaemias

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MED/1291/910

MED/1291/910

MED/19/1999

MED/19/1999



Dr Sukhada Jadhav

Collection of Blood

Streptococci

Staphylococci

OCTOBER 2023

Dr. Ajay Chouthai

Thrombosis

Aplastic anaemia

Pure red cell anaemia

Liver function test

Dr Shweta Patil

Introduction to Respiratory system

Pneumonia

COPD

Characteristics of Cestodes & Trematodes

Echinococcus granulosus

Taenia solium & Taenia saginata

Dr Sukhada Jadhav

Pneumococci

Nesseria, menningococci, gonococci

Cornybacterium diph

MED-7

MIRAJ. 3931



NOVEMBER 2023

Dr.Ajay Chouthai

Introduction &	classification	of Neoplasia

Liver cirrhosis

Biliary system

Pancreatitis

Ca.pancreas, colon

Dr Shweta Patil

Schistosoma haematobium

Schistosoma japonicum

Schistosoma mansoni

Interstitial lung disease

Bronchogenic carcinoma

Gastro-intestinal system, stomatitis

Gastritis, peptic ulcer

Dr Sukhada Jadhav

Clostridium tetani

E-coli

Salmonella

Widal test

Shigella

VDRL test

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DECEMBER 2023

Dr. Ajay Chouthai

Jaundice

Haemolytic disease of new born

Renal function test

Glomerulonephritis

Dr Shweta Patil

Characteristics of Protozoa

Entamoeba histolytica

Giardia lamblia

Leishmania donovani

Irritable bowel syndrome

Dr Sukhada Jadhav

Vibrio cholera

Mycobacterium tuberculae

Mycobacterium leprae

Lepromine test

Tuberculine test





JANUARY 2024

Dr. Ajay Chouthai

Acute & Chronic Renal failure

Nephrolithiasis

Nephrotic syndrome

Nephritic syndrome

Dr.Shweta Patil

Iron deficiency anaemia

Megaloblastic anaemia

Malarial parasites

Dr. Sukhada Jadhav

Spirochates types

General characters and classification of virus

Viral infection

Laboratory diagnosis of viral disease

FEBRUARY-2024

Dr.Ajay Chouthai

Melanoma

Squamous cell carcinoma

Endocrinal disorders

Functional disorders of Thyroid gland





Dr. Shweta Patil

Pernicious anaemia

Musculoskeletal system

Dr.Sukhada Jadhav

Hepatitis virus

HIV virus

Herpes virus

Gram staining

Z-N staining

MARCH 2024

Dr.Ajay Chouthai

Diabetes mellitus

Cardio-vascular system

Ischaemic heart disease

valvular heart disease

Myocardial infarction

Dr. Shweta Patil

Clinical parasitology

Angina pectoris

Occupational diseases

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Dr. Sukhada Jadhay

Pox virus

Paramyxo virus

Orthamyxo virus

Meningitis

APRIL 2024

Dr.Ajay Chouthai

Rheumatic heart disease

Endocrine disorders

Dr. Shweta Patil

Diseases of female genital system

Dr. Sukhada Jadhav

Occupational diseases

MAY 2024

Preliminary examination

JUNE 2024

MUHS examination

JULY 2024 AUGUST 2024

MUHS EXAMINATION

Dept. of Patherny,
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Medical College Wirai



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Medical College, Miraj



DEPARTMENT OF PATHOLOGY AND MICROBIOLOGY SYLLABUS DISTRIBUTION 2023-2024

DR AJAY CHOUTHAI

JULY 2023

Introduction to Pathology

Cell injury and Adaptation

AUGUST 2023

Introduction to Haematology and Erythroid series, Haematopoiesis

Introduction to Systemic Pathology

Inflammation and Healing.

SEPTEMBER 2023

Oedema, Shock.

Anaemia of Chronic Disorders

Haemolytic anaemia

Hereditary & Acquired anaemias

OCTOBER 2023

Thrombosis

Aplastic anaemia

Pure red cell anaemia

Liver function test

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NOVEMBER 2023

Introduction & classification of Neoplasia	
Liver cirrhosis	
Biliary system	

Ca.pancreas, colon

DECEMBER 2023

Jaundice

Pancreatitis

Haemolytic disease of new born

Renal function test

Glomerulonephritis

JANUARY 2024

Acute & Chronic Renal failure

Nephrolithiasis

Nephrotic syndrome

Nephritic syndrome

FEBRUARY-2024

Melanoma

Squamous cell carcinoma

Endocrinal disorders

Functional disorders of Thyroid gland

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MARCH 2024

Diabetes mellitus

Cardio-vascular system

Ischaemic heart disease

valvular heart disease

Myocardial infarction

APRIL 2024

Rheumatic heart disease

Endocrine disorders

MAY 2024

Preliminary examination

JUNE 2024

MUHS examination

JULY 2024 AUGUST 2024

MUHS EXAMINATION

Dept. of Patricology **Rebrau Fatil Homoeopathic Medical College, Mirat



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Gulabrao Patil Homoeopathic
Medical College, Miraj



DEPARTMENT OF PATHOLOGY AND MICROBIOLOGY SYLLABUS DISTRIBUTION 2023-2024 DR SUKHADA JADHAV

JULY 2023

Introduction to Microbiology, History of Bacteriology, Robert Koch, Louis Pasture Bacterial Morphology, Staining Characteristics, Structure, Growth & Nutrition.

Sterilization & Disinfection.

AUGUST 2023

Culture media, constituents, uses and types.

Culture Methods

Identification of Bacteria

Infection

Immunity

SEPTEMBER 2023

Collection of Blood

Streptococci

Staphylococci

OCTOBER 2023

Salmonella

Widal test

Shigella

VDRL test

Nesseria, menningococci, gonococci

Cornybacterium diph

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NOVEMBER 2023

Pneumococci Clostridium tetani

E-coli

DECEMBER 2023

Vibrio cholera

Mycobacterium tuberculae

Mycobacterium leprae

Lepromine test

Tuberculine test

JANUARY 2024

Spirochates types

General characters and classification of virus

Viral infection

Laboratory diagnosis of viral disease

FEBRUARY 2024

Hepatitis virus

HIV virus

Herpes virus

Gram staining

Z-N staining

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MARCH 2024

Pox virus

Paramyxo virus

Orthamyxo virus

Meningitis

APRIL 2024

Occupational diseases

MAY 2024

Preliminary examination

JUNE 2024

MUHS examination

JULY 2024 AUGUST 2024

MUHS EXAMINATION

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DEPARTMENT OF PATHOLOGY AND MICROBIOLOGY SYLLABUS DISTRIBUTION 2023-2024

DR SHWETA PATIL

JULY 2023

Introduction to Parasitology, Important terms in Parasitology

Host-Parasite relationship

Characteristics of Nematodes, Trichuris trichuira, Strongyloides stercoralis

AUGUST 2023

Ancylostoma duodenale

Ascaris lumbricoides

Enterobius vermicularis

Introduction, classification and Types of Anaemia

SEPTEMBER 2023

Wuchreria bancrofti

Dracunculus medinensis

Hypersensitivity reaction

Auto-immune diseases

Hypochromic anaemias

OCTOBER 2023

Introduction to Respiratory system

Pneumonia

COPD



Characteristics of Cestodes & Trematodes

Echinococcus granulosus

Taenia solium & Taenia saginata

NOVEMBER 2023

Schistosoma haematobium

Schistosoma japonicum

Schistosoma mansoni

Interstitial lung disease

Bronchogenic carcinoma

Gastro-intestinal system, stomatitis

Gastritis, peptic ulcer

DECEMBER 2023

Characteristics of Protozoa

Entamoeba histolytica

Giardia lamblia

Leishmania donovani

Irritable bowel syndrome

JANUARY 2024

Iron deficiency anaemia

Megaloblastic anaemia

Malarial parasites



FEBRUARY 2024

Pernicious anaemia

Musculoskeletal system

MARCH 2024

Clinical parasitology

Angina pectoris

Occupational diseases

APRIL 2024

Diseases of female genital system

MAY 2024 PRELIMINARY EXAMINATION

JUNE 2024

MUHS examination

JULY 2024 AUGUST 2024

MUHS EXAMINATION

Dept of Patienty:

medical College, Miral

Medical College, Miral



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DEPARTMENT OF PATHOLOGY AND MICROBIOLOGY

LIST OF DEPARTMENT LIBRARY BOOKS -2023-2024

SR.NO	NAME OF BOOK	ACCESS NO	AUTHOR
1	TEXT BOOK 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	ANANTHNARAYAN & PANIKER
5	CLINICAL PATHOLOGY	14067	S KAWTHALKAR
6	MEDICAL PARASITOLOGY 7 TH EDITION	14069	PANIKER
7	T.B OF MEDICAL MICROBIOLOGY	11840	SATISH GUPTE
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 AND MICROBIOLOGY EQUIPMENT PROVIDED 2023-2024

Detail of items / Equipment etc. available as per Schedule-III of HCC (MSR) Regulations.

SR. NO		ITEMS	REQUIREMENTS	AVAILABLE
1	1	HOT AIR OVEN	01	01
	2	CENTRIFUGE MACHINE ELECTRIC	02	02
	3	WATER BATH	04	04
	4	GLASS WARE, STAINES, CHEMICAL REAGENTS FOR HISTOPATHOLOGY	AS REQUIRED	AS REQUIRED
	5	INCUBATOR	02	02
	6	HAEMOCYTOMETER FOR RBC & WBC PIPETTE	25	25
	7	HAEMOGLOBINOMETER	25	25
	8	AUTOCLAVE	02	02
	9	ANAEROBIC APPARATUS	02	02
	10	STOPWATCH	02	02
	11	Ph meter	01	01
	12	Microscope	25	25
	13	High speed centrifuge for serological/ Haematological work	01	01
	14	ESR	02	02
	15	Colony counter	01	01
	16	Material for preparation of media	As required	As required
	17	Material for preparation of stain	As required	As required
	18	Coplin Jar	02	02
	19	Computer with accessories	01	01
	20	Machine for estimation of blood sugar	01	01
	21	Pathological specimen	25	135
2		Total no of chart		51
3		Total no. of models		05
4		No. of additional items		58

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DEPARTMENT OF PATHOLOGY AND MICROBIOLOGY HISTOPATHOLOGY SLIDES CHART LIST

- 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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DEPARTMENT OF PATHOLOGY AND MICROBIOLOGY

LIST OF CHARTS 2023-2024

- 1. PIONEERS OF PATHOLOGY AND MICROBIOLOGY
- 2. COMPOUND MICROSCOPE
- 3. DIARRHOEA
- 4. PATHOGENIC PROTOZOA
- 5 .MORPHOLOGY OF TEANIA SOLIUM
- 6. TYPHOID
- 7. E.COLI
- 8 .LIFE CYCLE OF TEANIA SOLIUM
- 9. LIFE CYLE OF TEANIA SAGINATA
- 10. LIFE CYCLE OF ANCYLOSTOMA DUODENALE
- 11. LIFE CYCLE OF TRICHURIS TRICHURA
- 12. LIFE CYCLE OF ENTAMOEBA HISTOCYTICA
- 13. MORPHOLOGY OF ENTAMOEBA HISTOCYTICA
- 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 (HOOK WORM)
- 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 LYMHOBLASTIC & CHRONIC LYMPHOCYTIC LEUKAEMIA
- 28. DIFFERENCE BETWEEN ACUTE RHEUMATIC FEVER & ACUTE GLOMERULONEPHRITIS
- 29. DIFFERENCE BETWEEN OBSTRUCTIVE & HEPATOCELLULAR
- 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 ANAFMIA
- 37. IRON DEFICIENCY ANAEMIA
- 38. HAEMOLYTIC ANAEMIA
- 39. MEGALOBLASTIC ANAFMIA
- 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

LIST OF TRANSPARENT SHEETS

- 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. Ulceraticeus
- 17. Pharyngeal pouch non development
- 18. Thyroglossal cyst & Goiter
- 19. Neoplasms of Oral cavity
- 20. Parotid tumor
- 21. Tumors of Parotid

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- 22. Breast N. & diseases
- 23. Breast Microscopy
- 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-Penis
- 44. Hermatological 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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