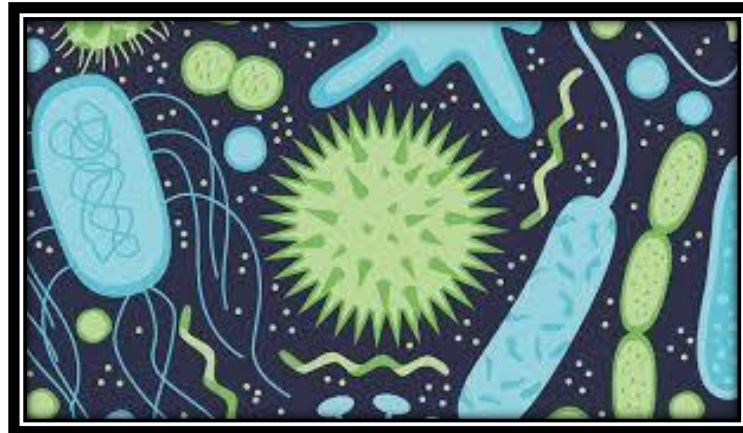





3rd Year MBBS 2024
Study Guide

Integrated Modular Curriculum

MICROBES AND ANTI-MICROBIAL MODULE 2024



	Rawalpindi Medical University		
	Doc. Title: Procedure For Control of Documented Information		
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University Moto, Vision, Values & Goals

RMU Motto



Mission Statement

To impart evidence-based research-oriented health professional education in order to provide best possible patient care and inculcate the values of mutual respect, ethical practice of healthcare and social accountability.

Vision and Values

Highly recognized and accredited center of excellence in Medical Education, using evidence-based training techniques for development of highly competent health professionals, who are lifelong experiential learner and are socially accountable.

Goals of the Undergraduate Integrated Modular Curriculum

The Undergraduate Integrated Learning Program is geared to provide you with quality medical education in an environment designed to:

- Provide thorough grounding in the basic theoretical concepts underpinning the practice of medicine.
- Develop and polish the skills required for providing medical services at all levels of the health care delivery system.
- Help you attain and maintain the highest possible levels of ethical and professional conduct in your future life.
- Kindle a spirit of inquiry and acquisition of knowledge to help you attain personal and professional growth & excellence.

Third Year MBBS 2024

Study Guide

Microbe and Anti-Microbe Module

Integration of Disciplines in Microbe and Anti-Microbe Module

HORIZONTAL INTEGRATION

Pharmacology
Pathology
Forensic Medicine
Family Medicine
Surgery

VERTICAL INTEGRATION

Medicine
Gynecology
Pediatrics
Community Medicine

LONGITUDINAL INTEGRATION

Medical Ethics
Behaviour Science
Holy Quran

SPIRAL COURSE

Biochemistry

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Microbes & Anti-Microbial Module Team

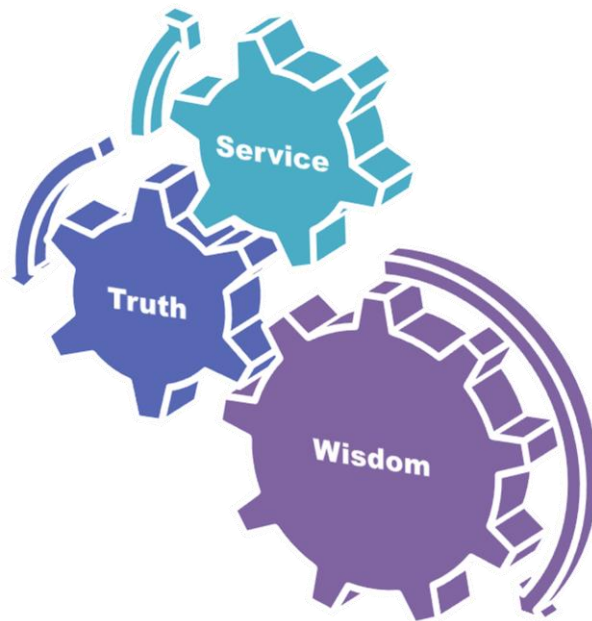
Module Name : Microbes and Antimicrobial Module
 Duration of module : 06 Weeks
 Coordinator : Dr. Kiran Fatima
 Co-coordinator : Dr. Nida Fatima
 Reviewed by : Module Committee

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University Moto, Vision, Values & Goals

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- Kindle a spirit of inquiry and acquisition of knowledge to help you attain personal and professional growth & excellence.

Module – Microbes and Anti-Microbial Module

Introduction: Microbes and Anti-Microbial module provides integration of core concepts that underlie the basic science/pathology of Microbial diseases and their use in clinical medicine. This will eventually lead to develop critical thinking for integration and application of basic knowledge for clinical application.

Rationale: The Microbes and Anti-Microbial module is designed to impart basic knowledge about Pharmacology, Pathology, Forensic Medicine, Community Medicine, Pediatrics, family medicine, Gynaecology, Psychiatry, Medicine & Surgery. This knowledge will serve as a base on which the student will construct further knowledge about the etiology, pathogenesis and prevention of diseases; the principles of their therapeutics and management.

Module Outcomes

Each student will be able to:

Knowledge

Acquire knowledge about the basic terminologies used in Pharmacology, Pathology & Forensic Medicine as well as the concepts of diseases in the community

Appreciate concepts & importance of

- Research
- Biomedical Ethics
- Family Medicine
- Use technology based medical education including Artificial Intelligence.

Skills

Interpret and analyze various practical of Pre-clinical Sciences

Attitude

Demonstrate a professional attitude, team building spirit and good communication skills

This module will run in 7 weeks duration. The content will be covered through introduction of topics. Instructional strategies are given in the time table and learning objectives are given in the study guides. Study guides will be uploaded on the university website. Good luck!

Section I - Terms & Abbreviations

Contents

- Domains of Learning
- Teaching and Learning Methodologies/Strategies
- Large Group Interactive Session (LGIS)
- Small Group Discussion (SGD)
- Self-Directed Learning (SDL)
- Case Based Learning (CBL)

Tables & Figures

- Table1. Domains of learning according to Blooms Taxonomy
- Figure 1. Prof Umar's Model of Integrated Lecture
- Table2. Standardization of teaching content in Small Group Discussions
- Table 3. Steps of taking Small Group Discussions

Table1. Domains of learning according to Blooms Taxonomy

Sr. #	Abbreviation	Domains of learning
1.	C	Cognitive Domain: knowledge and mental skills.
	• C1	Remembering
	• C2	Understanding
	• C3	Applying
	• C4	Analyzing
	• C5	Evaluating
	• C6	Creating
2.	P	Psychomotor Domain: motor skills.
	• P1	Imitation
	• P2	Manipulation
	• P3	Precision
	• P4	Articulation
	• P5	Naturalization
3.	A	Affective Domain: feelings, values, dispositions, attitudes, etc
	• A1	Receive
	• A2	Respond
	• A3	Value
	• A4	Organize
	• A5	Internalize

Teaching and Learning Methodologies / Strategies

Large Group Interactive Session (LGIS)

The large group interactive session is structured format of Prof Umar Model of Integrated lecture. It will be followed for delivery of all LGIS. Lecturer will introduce a topic or common clinical condition and explains the underlying phenomena through questions, pictures, videos of patients, interviews and exercises, etc. Students are actively involved in the learning process.

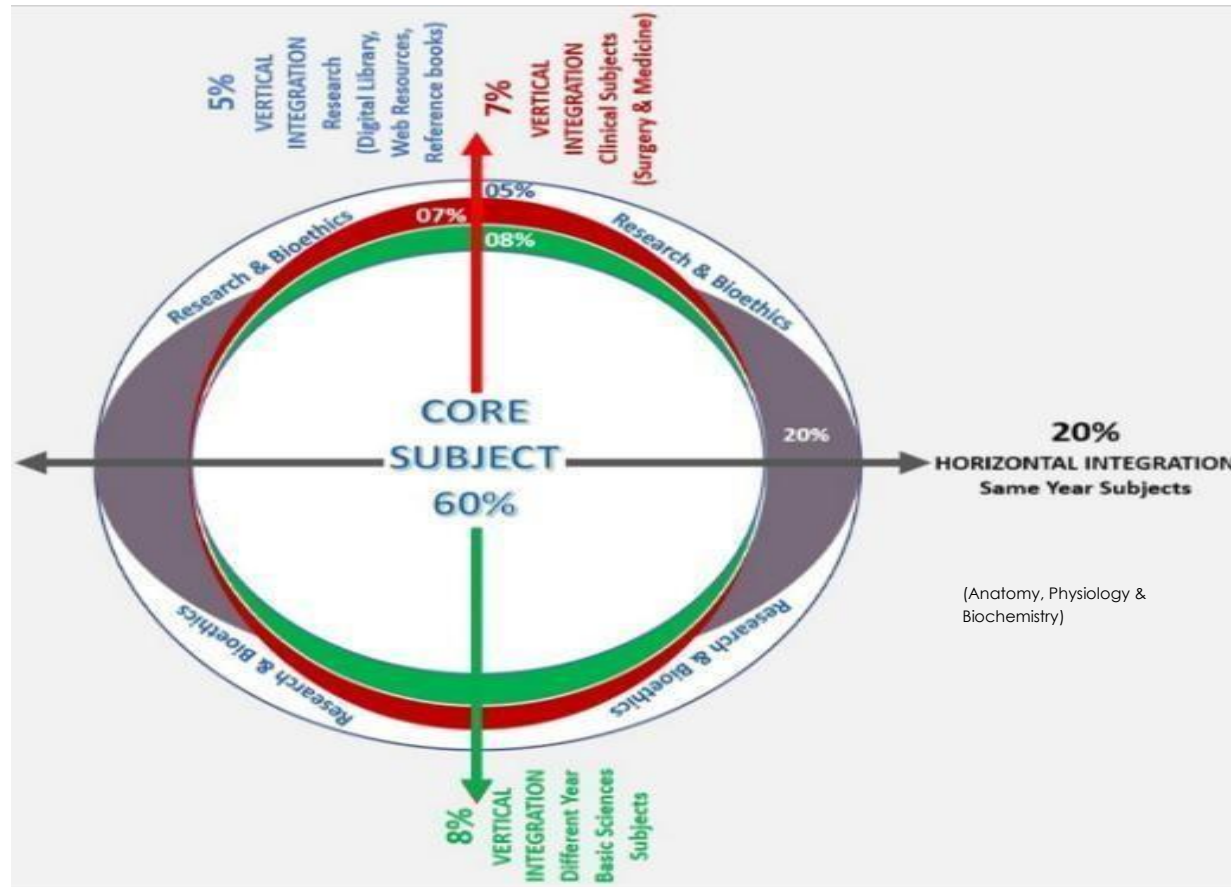


Figure 1. Prof Umar's Model of Integrated Lecture

Small Group Discussion (SGD)

This format helps students to clarify concepts acquire skills and attitudes. Sessions are structured with the help of specific exercises such as patient case, interviews or discussion topics or power point presentations. Students exchange opinions and apply knowledge gained from lectures, SGDs and self-study. The facilitator role is to ask probing questions, summarize and helps to clarify the concepts.

Table 2

Standardization of teaching content in Small Group Discussions

S.No	Topics	Approximate %
1	Title Of SGD	
2	Learning Objectives from Study Guides	
3	Horizontal Integration	5%+5%=10%
4	Core Concepts of the topic	60%
5	Vertical Integration	20%
6	Related Advance Research points	3%
7	Related Ethical points	2%

Table 3

Steps of taking Small Group Discussions

Step 1	Sharing of Learning objectives by using students Study guides	First 5 minutes
Step 2	Asking students pre-planned questions from previous teaching session to develop co-relation (these questions will be standardized)	5minutes
Step 3	Students divided into groups of three and allocation of learning objectives	5minutes
Step 4	ACTIVITY: Students will discuss the learning objectives among themselves	15 minutes
Step 5	Each group of students will present its learning objectives	20 min
Step 6	Discussion of learning content in the main group	30min
Step 7	Clarification of concept by the facilitator by asking structured questions from learning content	15 min
Step 8	Questions on core concepts	
Step 9	Questions on horizontal integration	
Step 10	Questions on vertical integration	
Step 11	Questions on related research article	
Step 12	Questions on related ethics content	
Step 13	Students Assessment on online MS teams (5 MCQs)	5 min
Step 14	Summarization of main points by the facilitator	5 min
Step 15	Students feedback on the SGD and entry into log book	5 min
Step 16	Ending remarks	

Self-Directed Learning (SDL)

- Self- directed learning is a process where students take primary charge of planning, continuing and evaluating their learning experiences.
- Time Home assignment
- Learning objectives will be defined
- Learning resources will be given to students : Text book (page no), web site
- Assessment: Will be online on LMS (Mid module/ end of Module)

Case Based Learning (CBL)

- It's a learner centered model which engages students in discussion of specific scenarios that resemble typically are real world examples.
- Case scenario will be given to the students
- Will engage students in discussion of specific scenarios that resemble or typically are real-world examples.
- Learning objectives will be given to the students and will be based on
 - i. To provide students with a relevant opportunity to see theory in practice
 - ii. Require students to analyze data in order to reach a conclusion.
 - iii. Develop analytic, communicative and collaborative skills along with content knowledge.

Section II-Learning Objectives, Teaching Strategies & Assessments

Contents

- Horizontally Integrated Clinical Sciences (Pharmacology, Pathology & Forensic Medicine)
- Large Group Interactive Session:
 - Pharmacology (LGIS)
 - Pathology (LGIS)
 - Forensic Medicine (LGIS)
- Small Group Discussions
 - Pharmacology (SGD)
 - Pathology (SGD)
 - Forensic Medicine (SGD)
- Self Directed Topic, Learning Objectives & References
 - Pharmacology(SDL)
 - Pathology (SDL)
 - Forensic Medicine (SDL)
- Practical
- Vertical horizontal integration
 - Medicine & Allied
 - Surgery & Allied

Vertical Integrated Basic Sciences (Medicine, Gynecology, Pead, Community Medicine)
Medicine Large Group Interactive Session (LGIS)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Introduction, basic symptoms analysis and investigations	•Discuss clinical examination of patients with infectious disease.	C2, A3	LGIS	SEQS, MCQS, OSPE
	•Describe presenting problems in infectious disease in relation to different symptoms	C2		
	•Discuss microbial investigations of infectious diseases.	C2, C3		
Fever of unknown origin	•Define P.U.O.	C1	LGIS	SEQS, MCQS, OSPE
	•Enumerate causes/etiology of P.U.O.	C2, A3		
	Describe investigations and management plan of P.U.O.	C1, C3		
Brucellosis	•Recognize epidemiology of infection.	C1	LGIS	SEQS, MCQS, OSPE
	•Describe clinical findings of brucellosis.	C2, C3		
	•Recognize epidemiology of infection.	C2		
Influenza	Recall epidemiology of influenza.	C2, A3	LGIS	SEQS, MCQS, OSPE
	Describe clinical findings. Describe abnormal lab investigations.	C2, A3		
	Recognize complications of influenza.	C2, A3		
	Describe management/treatment of infection	C2, A3		
Polio, Rabies, Virus	•Recall epidemiology of infection.	C1, A3	LGIS	SEQS, MCQS, OSPE
	•Describe clinical findings of infections.	C2, A3		
	•Describe investigations, differential diagnosis, complications and management plan for infections.	C2, A3		
	•Recognize preventive aspects of infection.	C2, A3		
HIV and Immunodeficiency	Describe natural history and classification of HIV.	C2, A3	LGIS	SEQS, MCQS, OSPE
	Describe clinical examination of patient with HIV infection.	C2, A3		
	Discuss presenting problems in HIV infection	C3, A3		
Dengue fever, sign, symptoms and treatment	Describe pathophysiology of dengue infection.	C3	LGIS	MCQS, VIVA
	•Recognize signs and symptoms of dengue fever.	C3		

	•Differentiate between DF, DHF, DSS on basis of symptoms, signs and lab parameters.	C3	
	•Discuss investigations and management of dengue fever.	C2, C3	

PEADS Large Group Interactive Session (LGIS)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Neonatal Tetanus	•Define Neonatal tetanus	C1	LGIS	SEQS, OSPE
	•Describe clinical features	C1		
	•Discuss Differential diagnosis	C2		
	•Discuss treatment and management plan	C2		
	•Discuss Role of immunoglobulins.	C2		
	•Discuss about maternal and neonatal immunization for tetanus	C2		
	•Enlist preventive measures	C2		
Measles, Mumps, Rubella	•Define the disease	C1	LGIS	SEQS, OSPE, MCQS
	•Describe clinical features	C1		
	•Discuss Differential diagnosis	C2		
	•Identify complications	C2		
	•Manage disease and its complications	C2		
	•Discuss immunization against measles/Mumps/Rubella	C3		
	•Enlist preventive measures	C2		

Gynecology Large Group Interactive Session (LGIS)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Infection In Pregnancy	Classify infections in pregnancy	C2	LGIS	SEQS, OSPE
	Enlist the organism of infection	C2		
	Identify lab diagnosis and treatment	C2		

Community Medicine Large Group Interactive Session (LGIS)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Disposal of waste and healthful housing	Demonstrate the concept of natural & artificial lighting	C2	LGIS	MCQS, SEQS
	Explain the effects of noise exposure	C2		
	Describe approaches for the control of noise pollution	C2		
	Explain sources of noise.	C2		
	Describe heat stress indices.	C2		
	Identify heat hyperpyrexia and heat exhaustion.	C1		
	Demonstrate preventive measures for heat	C2		
	Describe heat stress along with its indices	C2		
	Summarize the effects of heat stress & cold stress along with its prevention Discuss the elements of meteorology.	C2		
	Demonstrate the acute mountain sickness.	C1		
Explain high altitude pulmonary edema. Describe the Caisson disease	C1			
Public health importance of light, noise and meteorological environment	Define solid waste.	C1	LGIS	MCQS, SEQS
	Demonstrate sources of waste.	C3		
	Explain ways of collection of waste.	C2		
	Describe methods of disposal of waste	C2		
	Describe health hazards of improper disposal.	C2		
	Describe sanitation barrier.	C2		
	Elaborate methods of excreta disposal.	C3		
Describe criteria for healthful housing	C1			

	Describe the housing standards	C2		
	Explain effects of housing on health	C2		
	Define overcrowding	C2		
	Enlist indicators of housing.	C2		
	Define septic tank and its working.	C2		
	Describe its maintenance.	C2		
	Explain ways for disposal of sewage	C2		

Horizontal Integration LGIS (Pharmacology, Forensic Medicine, Pathology, Family Medicine, Surgery)

Pharmacology Large Group Interactive Session (LGIS)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Introduction to Chemotherapy	Classify anti-bacterial drugs based on mechanism of Action, anti-microbial spectrum & type of anti-microbial activity	C1	LGIS	SEQS, MCQS
	Explain bacteriostatic & bactericidal activity of antibacterial drugs with examples	C2		
	Describe Dose-dependent & time-dependent killing based on MIC	C2		
	Explain post-antibiotic effect with examples	C2		
	Describe briefly the steps and factors affecting selection of an antimicrobial for different types of therapy	C2		
	Enumerate the problems associated with anti-microbial use	C2		
	Briefly discuss anti-microbial resistance and its mechanism	C2		
Pencillins I (Classification and Pharmacokinetic)	Enumerate groups of Cell Wall Inhibitors	C1	LGIS	SEQS, MCQS
	Classify Penicillin	C1		
	Describe mechanism of action of Penicillin	C2		
	Describe anti-bacterial spectrum of Penicillin	C2		
Pencillins II (Pharmacodynamics with interaction)	Enumerate uses & adverse effects of Penicillin	C1	LGIS	SEQS, MCQS
	Describe mechanisms of resistance to Penicillin	C2		
Cephalosporins	-Classify Cephalosporins	C1	LGIS	SEQS, MCQS
	-Describe mechanism of action of Cephalosporins	C2		
	-Discuss anti-bacterial spectrum of different generations of Cephalosporins	C2		
	-Discuss uses and adverse effect of Cephalosporins based on their spectrum	C2		
Carbapenems and Monobactam	Grasp the properties and mechanisms of action of these antibiotic classes.	C2	LGIS	SEQS, MCQS
	Understand the types of bacteria susceptible to Carbapenems and Monobactams.	C2		
	Recognize appropriate use cases for Carbapenems and Monobactams in treatment.	C2		
Vancomycin and cell wall synthesis inhibitors	Describe mechanism of action and clinical uses of Vancomycin	C2	LGIS	MCQS, SEQs
	Enumerate adverse effects of vancomycin	C2		
	Explain in detail Red Man Syndrome and its management	C2		

Fluoroquinolones	Classify fluoroquinolones	C1	LGIS	MCQS, SEQS
	Describe mechanism of action of Fluoroquinolones	C2		
	Discuss spectrum of Fluoroquinolones	C2		
	Discuss uses of Fluoroquinolones based upon their Spectrum	C2		
Sulphonamides & Trimethoprim	Describe the mechanism of action of Co-Trimoxazole	C2	LGIS	MCQS, SEQS
Tetracyclines	Enumerate groups of Protein synthesis inhibitors	C2	LGIS	MCQS, SEQS
	-Classify tetracyclines	C2		
	-Describe the mechanism of action of Tetracyclines	C3		
	-Describe the anti-bacterial spectrum of Tetracyclines	C2		
	-Enumerate uses and adverse effects of Tetracyclines	C1		
Macrolides	Enumerate Macrolides	C1	LGIS	MCQS, SEQS
	Discuss mechanism of action of Macrolides	C2		
	Discuss spectrum of antibacterial activity of Macrolides	C2		
	Discuss adverse effects of macrolides	C2		
Clindamycin and other Protein Synthesis Inhibitors	Describe mechanism of action of clindamycin and chloramphenicol	C2	LGIS	MCQS, SEQS
	Discuss antibacterial activity of clindamycin and chloramphenicol	C2		
	Discuss adverse effects of both agents	C2		
Aminoglycosides	Classify aminoglycosides	C2	LGIS	MCQS, SEQS
	Examine Pharmacokinetics of Aminoglycosides	C2		
	--Describe spectrum of Aminoglycosides	C2		
	-Describe Clinical uses of Aminoglycosides	C2		
	-Describe adverse effects and contraindication Aminoglycosides	C2		
Antiviral Agents I	Classify anti-viral drugs based on the viral disease	C1	LGIS	MCQS, SEQS
	Classify anti-viral drugs based on mechanism of action of drugs	C2		
Antiviral Agents II	-Outline the salient pharmacokinetic & pharmacodynamic features of antiviral drugs used to treat HSV, VZV, CMV and influenza	C2	LGIS	MCQS, SEQS
Antiviral Agents III	Define HAART Describe the mechanism of action and adverse effects of major drug groups used in AIDS	C2	LGIS	MCQS, SEQS
Antifungal Agents I	Enumerate various antifungal agents	C1	LGIS	MCQS, SEQS
	-Describe mechanism of action and antimicrobial spectrum of amphotericin	C2		

	-Discuss pharmacokinetics and unwanted effects of Amphotiricin B	C2		
Antifungal Agents II	Describe mechanism of action of Azoles, Echinocandins and other antifungal drugs	C2	LGIS	MCQS, SEQS
	• Discuss clinical uses and adverse effects of various antifungal drugs	C2		
Anticancer Agents I	Classify anti-cancer drugs	C1	LGIS	MCQS, SEQS
	-Explain the term cell-cycle specific and cell cycle non-specific	C2		
	-Enumerate cell-cycle specific and cell cycle non-specific drugs	C1		
Anticancer Agents II	Describe the log kill hypothesis	C2	LGIS	MCQS, SEQS
	Describe advantages of combination anticancer therapy	C2		
	Describe adverse effects common to anti-cancer drugs (shared toxicities)	C2		

Forensic Medicine Large Group Interactive Session (LGIS)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Inebriants (Alcohol)	Classify the types of Alcohol	C2	LGIS	SEQS, MCQS, OSPE
	Describe the clinical presentation of alcohol intoxication both acute and chronic	C1		
	Briefly explain the clinical tests for examination and the collection of blood, urine and vomitus and their necessary sampling .	C2		
	State the Medicolegal importance of alcoholic intoxication.	C2		
	Describe the management of acute and chronic alcohol intoxication in general.	C2		
Agricultural Poisons (OCP)	Enlist the physical properties of Organophosphours compounds. .	C1	LGIS	MCQS, OSPE
	Briefly describe the mechanism of action in humans and clinical features of Organophosphours compounds poisoning and its management. .	C2		
	State the Medico-legal importance of Organophosphours compounds poisoning. .	C2		
	Enumerate the autopsy findings of Organophosphours compounds poison	C2		
	Enlist the physical properties of Organophosphours compounds. .	C3		
Inorganic Irritant Metallic Poisons (Arsenic)	Classify the types of Inorganic Irritants (Arsenic). .	C1	LGIS	SEQS, MCQS, VIVA
	Describe mechanism of action of in Inorganic irritants and clinical features of a poisoning with Arsenic .	C2		
	Mention the fatal dose, management, medico-legal importance of each type of inorganic poisoning. .	C2		
	Briefly explain the autopsy findings of a victim of inorganic metallic poisoning.	C2		
Inorganic Irritant Metallic Poisons (Lead)	•Classify the types of Inorganic Irritants (Lead).	C1	LGIS	SEQS, MCQS, OSPE
	•Describe mechanism of action of in Inorganic irritants and clinical features of a poisoning with lead.	C2		

	•Mention the fatal dose, management, medicolegal importance of each type of inorganic poisoning.	C2		
	•Briefly explain the autopsy findings of a victim of inorganic metallic poisoning	C2		
Non-Metallic Poisons (Phosphorus and Iodine)	Classify the types of Inorganic non-metallic Irritants (Phosphorus & Iodine) ·	C1	LGIS	SEQS, MCQS, VIVA
	Mention the fatal dose, management, medico-legal importance of each type of inorganic poisoning.	C2		
	Describe mechanism of action of in Inorganic irritants and clinical features of a poisoning with (Phosphorus & Iodine) ·	C2		
Spinal Poisons Strychnine (Nux Vomica)	Briefly state the mechanism of action of spinal poison. ·	C1	LGIS	SEQS, MCQS, OSPE
	Mention the fatal dose, management & medico-legal importance of spinal poison. ·	C1		
	Briefly explain the autopsy findings of a victim of spinal poison. · State the medicolegal importance of spinal poisons ·	C2		
	Differentiate between symptoms of spinal poisons and tetanus	C2		

Pathology Large Group Interactive Session (LGIS)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Bacterial Genetics	Define different types of mutations	C1	LGIS	SEQS, MCQS, OSPE
	Describe bacterial components for genetic transformation	C2		
	Discuss high frequency recombination	C1		
	Define fertility plasmid and sex pilus	C2		
	Discuss transduction	C2		
Antimicrobial Drug Resistance and Vaccine	Explain mechanism of resistance to antibiotics in bacteria	C1	LGIS	SEQS, MCQS,
	Describe vaccines	C2		
	Discuss diseases against which vaccines are used	C2		
Staphylococci	-Explain Important properties, epidemiology	C1	LGIS	SEQS, MCQS, OSPE
	-Describe transmission, pathogenesis	C2		
	Signs, symptoms, laboratory diagnosis and treatment of Staphylococcus aureus	C2		
	Staphylococcus epidermidis and Staphylococcus saprophyticus	C2		
Streptococci	Enumerate different types of streptococci according to their groups.	C1	LGIS	SEQS, MCQS, OSPE
	-Explain important diseases and laboratory diagnosis of β -hemolytic streptococcus.	C2		
	-Explain important diseases and laboratory diagnosis of Streptococcus viridians	C2		
	-Discuss different properties and diseases caused by strep. Pneumonia	C2		

	-Discuss diseases and laboratory diagnosis of enterococci and streptococcus pneumoniae	C2		
Gram Negative Cocci	Enumerate different types of gram-negative cocci	C1	LGIS	SEQS, MCQS, OSPE
	-Discuss different types of gram-negative cocci in detail along with their laboratory diagnosis -	C2		
Gram Positive Rods	Describe unique traits of Gram-positive rods and how they differ from other bacteria.	C1	LGIS	SEQS, MCQS, OSPE
	Identify key genera of Gram-positive rods.	C2		
	Understand the role of Gram-positive rods in health and disease.	C2		
Introduction to Enterobacteria, E coli	Describe Important properties of Enterobacteria	C2	LGIS	SEQS, MCQS, OSPE
	-Describe transmission, pathogenesis, signs and symptoms, laboratory diagnosis of Enterobacteria	C2		
	Describe different strains of E. coli	C1		
	--Explain laboratory diagnosis and treatment of E. coli infection	C2		
Salmonella classification, pathogenicity, properties and lab diagnostics	Discuss Important properties & epidemiology	C2	LGIS	SEQS, MCQS, OSPE
	- Explain transmission, pathogenesis, signs and symptoms	C2		
	-Identify laboratory diagnosis and treatment of Salmonella	C2		
	Discuss classification of salmonella	C3		
	-Explain important properties and pathogenesis of Salmonella	C2		
	-Discuss chronological order of diagnostic tests for typhoid fever	C2		
Gram Negative Rods Related to Respiratory Tract	Describe Important properties & epidemiology of Gram-Negative rods related to RTI.C2	C2	LGIS	SEQS, MCQS, OSPE
	-Discuss transmission, pathogenesis, signs and symptoms, laboratory diagnosis of HaemophilusC2.	C2		
	-Discuss important properties C2	C2		
	-Discuss pathogenesis, laboratory diagnosis of bacteria of respiratory tract.C2	C2		
	Explain pathogenesis of Bordetella, - C2	C2		
	Discuss legionnaire's disease and important properties of organism	C2		
Rickettsiae, Chlamydia	Enlist types of Rickettsia, Chlamydia	C2	LGIS	VIVA, MCQS, OSPE
	Describe Pathogenesis, Clinical features, treatment of diseases caused by Rickettsia, Chlamydia	C2		
Measles, Mumps, Rubella	Explain the important properties	C2	LGIS	SEQS, MCQS, OSPE
	•Describe Replicative cycle	C2		
	•Explain the transmission and pathogenesis of the diseases caused by these viruses	C2		

	•Explain the interaction of pathogenesis of viruses & immunity of individuals	C2		
	•Explain clinical findings and its laboratory identification	C2		
	•Describe the treatment & Prevention	C2		
Respiratory Virus	Explain the important properties of respiratory viruses	C2	LGIS	SEQS, MCQS, OSPE
	•Describe Replicative cycle	C2		
	•Explain the transmission and pathogenesis of the diseases caused by these viruses	C2		
	•Explain the interaction of pathogenesis of viruses & immunity of individuals	C3		
	•Explain clinical findings and its laboratory identification	C2		
	•Describe the treatment & Prevention	C2		
HIV/ AIDS Diseases	Explain the important properties	C2	LGIS	SEQS, MCQS, OSPE, VIVA
	•Describe Replicative cycle	C2		
	•Explain the transmission and pathogenesis of the diseases caused by these viruses	C2		
	•Explain the interaction of pathogenesis of viruses & immunity of individuals	C2		
	•Explain clinical findings and its laboratory identification	C2		
	•Describe the treatment & Prevention	C2		
Systemic Mycosis and Antifungal	Identify the morphology of fungi	C1	LGIS	SEQS, MCQS, OSPE
	•Describe the important features of systemic fungal diseases	C1		
	•Describe laboratory diagnosis of systemic fungi	C1		
	Classify antifungal	C1		
	Discuss their mechanism of action	C2		
Dengue fever, Pathological aspects and Lab Diagnosis	Identify the morphology of fungi	C2	LGIS	SEQS, MCQS,
	•Describe the important features of systemic fungal diseases	C2		
	•Describe laboratory diagnosis of systemic fungi	C2		
Varicella zoster and Cytomegalovirus	Explain the transmission and pathogenesis	C2	LGIS	SEQS, MCQS,
	Relate the interaction of pathogenesis of viruses with immunity of individual	C3		
	-Explain clinical findings, Lab diagnosis	C2		
	-Describe treatment and prevention.	C2		
	-discuss the reactivation of disease.	C2		

Family Medicine Large Group Interactive Session (LGIS)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Ethical Consideration of infectious diseases	Weigh ethical challenges in controlling outbreaks and balancing individual rights with public health measures.	C2	LGIS	SEQS, MCQS
	Analyze ethical issues in allocating resources during outbreaks, focusing on equity and access.	C2		
	Grasp ethical principles in infectious disease research, like consent and data privacy.	C2		
Sexually transmitted diseases	classify STDs	C1	LGIS	SEQS, MCQS
	Describe the management approach to a patient with STD in family practice	C2		
	Identify at risk patients and offer them screening	C2		
	Describe prevention of STDs	C2		
An approach to patient with fever	Identify causes, and conduct a targeted patient examination.	C2	LGIS	SEQS, MCQS
	Understand proper treatment plans for different fevers.	C2		
	Recognize when to refer patients with fever to specialists.	C2		

Surgery Large Group Interactive Session (LGIS)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Microbiology of Surgical infection	Enlist and common surgical pathogens	C1	LGIS	SEQS, MCQS, OSPE
	-Define wound infection. C1	C1		
	-Describe decisive period and role prophylactic antibiotic in this period.	C3		
	-Describe sources of wound infection and risk factors of wound infection	C2		
Presentation of surgical infections	Describe surgical site infection and its types.	C3	LGIS	SEQS, MCQS, OSPE
	-Describe management of SSI.	C3		
	-Briefly Describe management of local infections like thrombophlebitis, lymphangitis, abscess.	C2		
	-Describe management of systemic infections SIRS, septicemia in surgical patient. C3	C3		
	-Briefly describe requirement of Surgery in patients with HIV, COVID and precautions needed. C 3	C3		
Critical Surgical infections and their treatment	describe management of gas gangrene, necrotizing fasciitis	C3	LGIS	SEQS, MCQS, OSPE
Prevention of surgical infection	Understand importance of aseptic technique in surgery for prevention of surgical infection.	C2	LGIS	SEQS, MCQS,
	-Understand role of pre –operative patient optimization and preparation in prevention of surgical infection.	C3		

	-Describe role of prophylactic antibiotics	C3		OSPE
Antimicrobial treatment in surgical infections	Understand principles of antimicrobial treatment in surgical infections.	C2	LGIS	SEQS, MCQS, OSPE
	-Describe rational empirical antibiotics use according to flora.	C3		

Horizontal Integration SGD (Pathology)

Pathology Small Group Discussion (SGD)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Structure of Bacterial cell	Differentiate between structure of gram positive and gram-negative bacterial cell wall	C3	SGD	MCQs, SEQs, OSPE, Viva
	Correlate structural components of bacteria with their pathogenicity	C3		
	Define plasmid, transposon, mesosome, glycocalyx.	C1		
Bacterial metabolism and Growth curve	Define each phase of growth cycle	C1	SGD	MCQs, SEQs, OSPE
	Differentiate between aerobic and anaerobic growth	C3		
	Explain fermentation of sugars	C2		
	Discuss iron metabolism	C2		
	Define each phase of growth cycle	C2		
Pathogenesis of Infectious agent in Microbiology	Define different terminologies	C1	SGD	MCQs, SEQs, OSPE
	Explain modes of transmission and adherence and entry in host cell	C2		
	Explain mechanism of action of important toxins	C2		
	Differentiate between exotoxin and endotoxin	C2		
	Explain Koch's postulates	C2		
	Identify different lab test	C1		
	Describe principle of different lab test	C2		
	Interpret various lab tests for different diseases	C3		
Sterilization and Disinfection	Define Chemical disinfectants	C1	SGD	MCQs, SEQs, OSPE
	Categorize chemical disinfectants	C2		
	Explain physical methods of disinfection and sterilization	C2		
Klebsiella, shigella, vibrio cholera	Describe Important properties, epidemiology of vibrio cholerae and shigella	C2	SGD	MCQs, SEQs, OSPE
	-Describe transmission, pathogenesis, signs and symptoms, laboratory diagnosis and treatment of Shigella and Vibrio Cholerae	C2		

	-Enumerate different types of vibriion	C1		
	-Discuss pathogenesis of cholera and shigellosis.	C2		
	-Identify diagnostic tests available for vibrio cholera and its treatment	C3		
	-Discuss interpretation of TSI	C2		
	Describe Important properties, epidemiology of vibrio cholerae and shigella	C2		
Helicobacter and Campylobacter	-Discuss related diseases of Helicobacter and Campylobacter C2,	C2	SGD	MCQs, SEQs, OSPE
	Discuss pathogenesis and laboratory diagnosis of Campylobacter and Helicobacter C2,	C2		

Vertical Integration SDL (Pathology)

Pathology Self-Directed Learning (SDL)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Structure of Bacterial cell	Differentiate between structure of gram positive and gram-negative bacterial cell wall	C3	SDL	MCQs, SEQs, OSPE, Viva
	Correlate structural components of bacteria with their pathogenicity	C3		
	Define plasmid, transposon, mesosome, glycocalyx.	C1		
Bacterial metabolism and Growth curve	Define each phase of growth cycle	C1	SDL	MCQs, SEQs, OSPE
	Differentiate between aerobic and anaerobic growth	C3		
	Explain fermentation of sugars	C2		
	Discuss iron metabolism	C2		
	Define each phase of growth cycle	C2		
Pathogenesis of Infectious agent in Microbiology	Define different terminologies	C1	SDL	MCQs, SEQs, OSPE
	Explain modes of transmission and adherence and entry in host cell	C2		
	Explain mechanism of action of important toxins	C2		
	Differentiate between exotoxin and endotoxin	C2		
	Explain Koch’s postulates	C2		
	Identify different lab test	C1		
	Describe principle of different lab test	C2		
	Interpret various lab tests for different diseases	C3		
Sterilization and Disinfection	Define Chemical disinfectants	C1	SDL	MCQs, SEQs, OSPE
	Categorize chemical disinfectants	C2		

	Explain physical methods of disinfection and sterilization	C2		
Klebsiella, shigella, vibrio cholera	Describe Important properties, epidemiology of vibrio cholerae and shigella	C2	SDL	MCQs, SEQs, OSPE
	-Describe transmission, pathogenesis, signs and symptoms, laboratory diagnosis and treatment of Shigella and Vibrio Cholerae	C2		
	-Enumerate different types of vibriion	C1		
	-Discuss pathogenesis of cholera and shigellosis.	C2		
	-Identify diagnostic tests available for vibrio cholera and its treatment	C3		
	-Discuss interpretation of TSI	C2		
	Describe Important properties, epidemiology of vibrio cholerae and shigella	C2		
Helicobacter and Campylobacter	-Discuss related diseases of Helicobacter and Campylobacter C2,	C2	SDL	MCQs, SEQs, OSPE
	Discuss pathogenesis and laboratory diagnosis of Campylobacter and Helicobacter C2,	C2		

3RD YEAR WEEKLY SELF-DIRECTED LEARNING (SDL)

WEEK	TOPIC	TEACHER
WEEK-1	Introduction to Microbiology	Dr. Unaiza
WEEK-2	Normal Flora and classification of bacteria	Dr. Faiza Zafar
WEEK-3	Actinomycosis	Dr. Syed Iqbal Haider
WEEK-4	Minor Bacterial Pathogen	Dr. Syeda Aisha
WEEK-5	Introduction to Medical Virology and Anti-Viral Drugs	Dr. Nida Fatima
WEEK-6	Introduction to Basic Mycology	Dr. Abid Hassan

Horizontal Integration CBL (Pathology, Pharmacology, Forensic Medicine)

Pathology Case Based Learning (CBL)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Gram Negative Rod Related Zoonotic Disease	Discuss pathogenesis and laboratory diagnosis of brucella	C2	CBL	MCQS, SEQS, OSPE
	-Discuss important properties	C2		
	-Discuss pathogenesis and laboratory diagnosis of Yersinia pestis	C2		
	-Explain pathogenesis and laboratory diagnosis of infections caused by Francisella and Pasteurella	C2		
	Discuss pathogenesis and laboratory diagnosis of brucella	C2		
Spirochetes	Explain different stages of syphilis,	C2	CBL	MCQS, SEQS, OSPE
	Describe different serological techniques used for diagnosis of syphilis,	C2		
	Discuss treatment and prevention of syphilis,	C2		
	Explain Lyme’s Disease,	C2		
	Explain transmission of leptospira	C2		
Diarrheal viruses	Explain the important properties	C2	CBL	MCQS, SEQS, OSPE
	•Describe Replicative cycle	C2		
	•Explain the transmission and pathogenesis of the diseases caused by these viruses	C2		
	•Explain the interaction of pathogenesis of viruses & immunity of individuals	C2		
	•Explain clinical findings and its laboratory identification	C2		
	•Describe the treatment & Prevention	C2		
	Explain the important properties	C1		
Polio and Rabies virus	Explain the important properties	C2	CBL	MCQS, SEQS, OSPE
	•Describe Replicative cycle	C2		
	•Explain the transmission and pathogenesis of the diseases caused by these viruses	C2		
	•Explain the interaction of pathogenesis of viruses & immunity of individuals	C2		
	•Explain clinical findings and its laboratory identification	C2		
	•Describe the treatment & Prevention	C2		
Herpes Virus and HSV	Explain the important properties of Herpes virus	C2	CBL	MCQS, SEQS, OSPE
	•Describe Replicative cycle	C2		
	•Explain the transmission and pathogenesis of the diseases caused by these viruses	C2		

	•Explain the interaction of pathogenesis of viruses with immunity of individuals	C2		
	•Explain clinical findings and its laboratory identification	C2		
	•Describe the treatment & Prevention	C2		
Cutaneous and Subcutaneous mycosis	• identify of most common fungal pathogens associated with cutaneous and sub cutaneous mycoses	C1	CBL	MCQS, SEQS, OSPE
	•Compare the major characteristics of specific fungal diseases affecting the skin	C2		
Candida	Explain Important properties of Candida	C1	CBL	MCQS, SEQS, OSPE
	-Describe its reproduction	C2		
	-Explain transmission, Pathogenesis and diseases caused by this organism	C2		
	-Relate the interaction of pathogenesis of this organism with immunity of individuals.	C2		
	-Explain clinical findings and its laboratory identification	C1		
	- Describe treatment and prevention of Candida	C2		
Opportunistic mycosis	Identify the morphology of fungi	C1	CBL	MCQS, SEQS, OSPE
	•Describe the important features of opportunistic fungal diseases	C1		
	•Explain co-morbidities	C2		
	•Describe laboratory diagnosis	C2		

Pharmacology Case Based Learning (CBL)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Rheumatic fever	Grasp the cause, symptoms, and potential complications of rheumatic fever.	C2	CBL	MCQS, SEQS, OSPE
	Understand diagnostic tools and treatment strategies for rheumatic fever.	C2		
	Learn how to prevent rheumatic fever through proper management of infections.	C2		
Meningitis	Grasp the definition, causes, and types of meningitis.	C2	CBL	MCQS, SEQS, OSPE
	Identify common symptoms and understand diagnostic methods for meningitis.	C2		
	Learn treatment options and effective preventive measures for meningitis.	C2		
VRSA endocarditis	Understand the challenges of VRSA (Vancomycin-Resistant Staphylococcus Aureus) in endocarditis treatment.	C2	CBL	MCQS, SEQS, OSPE
	Explore alternative antibiotic regimens for VRSA endocarditis.	C2		
	Analyze the pharmacological properties and potential side effects of VRSA endocarditis treatments.	C2		

Shingles	Understand the link between shingles reactivation and the medications used to treat it.	C2	CBL	MCQS, SEQS, OSPE
	Identify antiviral medications used for shingles and their mechanisms of action.	C3		
	Learn about pharmacological approaches to managing pain associated with shingles.	C2		
AMG Use in Sepsis	Explore the use of AMG (anti-vascular endothelial growth factor monoclonal antibody) therapy in treating sepsis.	C2	CBL	MCQS, SEQS, OSPE
	Understand the mechanism of action of AMG therapy and its potential benefits for sepsis patients.	C2		
	Analyze current research and evidence on the use of AMG therapy for sepsis.	C3		

Forensic Medicine Case Based Learning (CBL)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Vegetable Poisons (castor, croton, capsicum, ergot, Arbus)	Enlist physical properties of castor, croton, capsicum, ergot, Arbus	C1	CBL	MCQS, SEQS
	Briefly explain their mechanisms of action in humans	C2		
	Describe clinical features of organic irritant poisoning and its management	C2		
	State the medicolegal importance of organic irritant poisoning	C2		
	Briefly explain the autopsy findings of organic irritant poisoning	C2		
Corrosives (sulfuric acid, nitric acid, hydrochloric acid)	Identify specimen of corrosives	C1	CBL	MCQS, VIVA
	Classify Corrosives and state its mechanism of actions.	C2		
	•Briefly explain the clinical effects of corrosives on human body.	C2		
	-State the fatal dose and management of corrosives burns.	C1		
	-Define Vitriolize	C2		
	-Briefly describe the medico-legal importance of throwing of corrosives and their autopsy findings.	C2		
	-The student will be able to manage case of a CORROSIVES burns	C2		

Bioethics Case Based Learning (CBL)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Medical Errors	Perform the pharmacovigilance in clinical setting with special focus on performing pharmacovigilance and filling following forms a. Error reporting form b. Error analysis form c. WHO guidelines for surgical procedure safety d. Guidelines for prevention of medication error e. Guidelines for prevention of diagnostic error	C2	LGIS	MCQS

Pharmacology Practical Skill Laboratory (SKL)

Topic	Learning Domain	Venue	Assessment Tool
P- Drug prescription of community and nosocomial pneumonia	P	Skill Lab	OSPE
P drug & Prescription writing of gonorrhoea and pseudomembranous colitis	P	Skill Lab	OSPE
P drug & Prescription writing of atypical pneumonia and enteric fever	P	Skill Lab	OSPE
Pharmacy Visit	P	Skill Lab	OSPE
P drug & Prescription writing of oral candidiasis and HSV encephalitis	P	Skill Lab	OSPE

Forensic Medicine Practical Skill Laboratory (SKL)

Topic	Learning Domain	Venue	Assessment Tool
Inebriant (methyl alcohol poisoning)	P	Toxicology Lab/ Lecture Hall 4	OSPE
Insecticide wheat pill poisoning	P	Toxicology Lab/ Lecture Hall 4	OSPE
Irritants, Metallic poisons	P	Toxicology Lab/ Lecture Hall 4	OSPE
Autopsy Visits/Postmortem& Medicolegal Work/Research	P	DHQ Mortuary	OSPE
Autopsy	P	DHQ Mortuary	OSPE

Pathology Practical Skill Laboratory (SKL)

Topic	Learning Domain	Venue	Assessment Tool
Microscope, Bacterial morphology	P	Skill Lab	OSPE
Culture media	P	Skill Lab	OSPE
Gram staining and Zn staining	P	Skill Lab	OSPE
Biochemical Test, Catalase, Coagulase, Urease, oxidase, indole test, citrate	P	Skill Lab	OSPE
Lab Diagnosis of fungal infection	P	Skill Lab	OSPE

Spiral Integrated Basic Sciences (Biochemistry)
Biochemistry Large Group Interactive Session (LGIS)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Revisit Lecture	Kreb cycle, pyruvic acid cycle, bacterial metabolism	C2	LGIS	MCQS

Longitudinal Integrated Basic Sciences (Medical Ethics, Behavior Science, Quran)

Medical Ethics Large Group Interactive Session (LGIS)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Medical Errors	Understand Medical Errors	C2	LGIS	MCQS
	• Explain the background of medical errors	C2		
	• Elaborate why medicine susceptible to error	C2		
	• Delineate the reasons of reluctance to report	C2		
	• Classify the medical errors	C2		

Behavior Science Large Group Interactive Session (LGIS)

Topic	At The End of The Session Student Should Be Able To	C/P/A	Teaching Strategy	Assessment Tool
Crisis Intervention, Conflict Resolution, empathy	Master effective communication skills for calming patients in crisis and resolving conflicts.		LGIS	MCQS
	Develop the ability to understand and respond to patients' emotions with empathy.			
	Learn methods for crisis intervention, including risk assessment and appropriate referrals.			
Anxiety and Stress Related Disorder	Identify common types of anxiety and stress-related disorders.		LGIS	MCQS
	Understand methods for assessing and diagnosing anxiety disorders.			
	Learn evidence-based treatment options for anxiety and stress-related disorders.			

Quran Large Group Interactive Session (LGIS)

Topic	Teaching Strategy
Quran Class	LGIS
Quran Class (Taleemwa Taalum)	LGIS

REFERENCE BOOKS

PHARMACOLOGY:

1. Katzung’s Basic and Clinical Pharmacology, 13th edition
2. Essentials of Medical Pharmacology(KD Tripathi), 7th edition
3. Lipincott Illustrated Review, 7th edition
4. Katzung and Trevor’s Pharmacology, 12th edition

FORENSIC MEDICINE:

TEXT BOOK

Parikh’s Textbook of Medical Jurisprudence, Forensic Medicine & Toxicology

REFERENCE BOOKS

1. Principles & Practice of Forensic Medicine by Nasib R Awan
2. Principles of Forensic Medicine & Toxicology by Rajesh Bardale

PATHOLOGY:

Warren and Levinson Review of medical Microbiology and Immunology 14th Edition

Jawetz Melnick & Adelberg’s Medical Microbiology 28 Edition

MEDICINE:

Davidson Textbook Of Medicine

SURGERY:

Balley & Love Textbook Of Surgery

Medical Ethics: Medical Errors: The Scope of the Problem. Fact sheet, Publication No. AHRQ 00-P037. Agency for Healthcare Research and Quality, Rockville, MD.

<http://www.ahrq.gov/qual/errba>

<http://nbcPakistan.org.pk/assets/may-16-bioethics-facilitator-book---may-16%2c-2017.pdf> (page 195)

NBC Guidelines for Healthcare Professionals* Interaction with Pharmaceutical Trade and Industry

<http://nbcPakistan.org.pk/assets/may-16-bioethics-facilitator-book---may-16%2c-2017.pdf> (page 276)

nbcPakistan.org.pk/assets/ppi_guidelines_may_2011-1-final-copy-on-PHRC-wbsite.pdf Open source document

http://karachibioethicsgroup.org/PDFs/Karachi_Bioethics_Group_Ethical_Guidelines.pdf Karachi Bioethics Group Institutional Ethical Guidelines for Physician Pharmaceutical Industry Interaction

Medical Ethics:

<http://nbcPakistan.org.pk/assets/may-16-bioethics-facilitator-book---may-16%2c-2017.pdf> (page 194)

Peads:

INTEGRATED MODULAR CURRICULUM MICROBES AND ANTIMICROBIALS MODULE



3rd YEAR MBBS

TIME TABLE

2024

RAWALPINDI MEDICAL UNIVERSITY

DURATION OF MODULE: 06 WEEKS**Module Coordinators: DR.KIRAN FATIMA****Module Co-Coordinator : DR.NIDA FATIMA**

Module Committee	
Vice Chancellor RMU	Prof. Dr. Muhammad Umar
Director DME	Prof. Dr. Rai Muhammad Asghar
Convener Curriculum	Prof. Dr. Naeem Akhter
Dean Basic Sciences	Prof. Dr. Ayesha Yousaf
Additional Director DME	Prof. Dr. Ifra Saeed
Chairperson Pathology	Prof. Dr. Mobina Dodhy
Chairperson Forensic Medicine	Dr Filza
Focal Person Pharmacology	Dr Atya
Focal Person Pathology	Dr. Kiran Fatima
Focal Person Forensic Medicine	Dr. Gulzeb
Focal Person Medicine	Dr. Saima Ambreen
Focal Person of Gynaecology	Dr. Sobia Nawaz
Focal Person Community Medicine	Dr. Afifa Kulsoom
Focal Person Quran Translation Lectures	Mufti Abdul Wahid
Focal Person Family Medicine	Dr. Sadia Khan
Focal Person Bioethics Department	Prof. Dr. Akram Randhawa
Focal Person Surgery	Dr Rahat Hassan


Reviewed by: Module committee**Approved by:****CURRICULUM COMMITTEE RMU****Prepared By:****DR. Kiran Fatima**

Pathology Department,

Rawalpindi Medical University, Rawalpindi

TIME TABLE 3rd YEARMBBS –MICROBES AND ANTI MICROBIAL MODULE 2024

(1st Week)

Monday 10-6-24														
Tuesday 11-6-24														
Wednesday 12-6-24														
Thursday 13-6-24	BIOCHEMISTRY L-1 11:00-12:00 PM			PATHOLOGY				PHARMACOLOGY L-3						
	Kreb cycle, pyruvic acid cycle, bacterial metabolism Revisit Lecture LGIS			SDL 12:00 PM – 12:30 PM		SGD 12:30-1:00		01:00 PM – 02:00 PM						
	EVEN		ODD		Structure of Bacterial cell				Introduction to chemotherapy					
	Dr. Aneela Lecture hall 1		Dr. Kashif Lecture hall 2		GROUP	FACILITATOR		VENUE		EVEN		ODD		
					A	Dr. Kiran Fatima		Lecture hall 1		Dr. Zunera Lecture hall 2		Dr. Arsheen Lecture hall 1		
B					Dr. Mehreen Fatima		Lecture hall 2							
C					Dr. Shabih Haider		Pharma Lab 6							
				D	Dr. Sarah Rafi		Toxicology Lab							
Friday 14-6-24	08:00am - 08:45am		08:45am – 09:30am		SDL 09:30am – 9:50am	SGD 9:50-10:15 am		10:15am - 11:00am		11:00am – 12:00pm				
	PHARMACOLOGY L-4		PHARMACOLOGY L-5		PATHOLOGY			MEDICINE L-7		SURGERY L-8				
	Pencillins I (Classification and Pharmacokinetics) LGIS		Pencillins II		Bacterial Metabolism and growth curve			Introduction, basic symptoms analysis and investigations		Microbiology of Surgical infection				
	EVEN	ODD	EVEN	ODD	GROUP	FACILITATOR	VENUE	EVEN	ODD	EVEN	ODD			
	Dr.Zunera Lecture hall 1	Dr. Uzma Lecture hall 2	Dr. Zunera Lecture hall 2	Dr.Uzma Lecture hall 1	A	Dr. Mudassira Zahid	Lecture hall 1	Dr. Nida Lecture hall 1	Prof. M. Khuram Lecture hall 2	Dr Rahat Lecture hall 1	Dr. Ramla Lecture hall 2			
B					Dr. Kiran Fatima	Lecture hall 2								
C					Dr. Shabih Haider	Pharma Lab 6								
D					Dr. Sarah Rafi	Toxicology Lab								
Saturday 15-6-24	08:00am - 08:45am		08:45am – 09:30am		SDL 09:30am – 10:00am	SGD 10:00-10:30am		10:30 AM – 11:00 am		11:00am – 12:00pm		12:00:pm – 01:00pm	01:00pm – 02:pm	
	PATHOLOGY L-9		Quran Class L-10		PATHOLOGY			BREAK		Family medicine L-12	SURGERY L-13	MEDICINE L-14		
	Bacterial Genetics		EVEN	ODD	Pathogenesis and Lab diagnosis of infectious agents in microbiology					Ethical considerations of infectious diseases	Presentation of surgical infections		Fever of unknown origin	
	EVEN	ODD	GROUP			FACILITATOR	VENUE			BY: Dr. Sadia Lecture hall 1	EVEN	ODD	EVEN	ODD
	Prof	Dr. Kiran	Qari Abdul Hadeeb		A	Dr.	Lecture			Dr. Sadia Lecture hall 1	Dr	Dr.	Dr. Nida	Prof . M.


	Naeem Akhtar Lecture hall 2	Fatima Lecture hall 1		Fatima tuz Zohra	hall1			Rahat Lecture hall 1	Huma Lecture hall 2	Lecture hall 1	Khuram Lecture hall 2
				B Dr. Mehreen Ftaima	Lecture hall 2						
				C Dr. Kiran Ftaima	Pharma Lab 6						
				D Dr. Shabih Haider	Toxicology Lab						

Rawalpindi Medical University Rawalpindi

TIME TABLE 3rd YEARMBBS –MICROBES AND ANTI MICROBIAL MODULE 2024

(2nd Week)

DATE / DAY	8:00 AM	11:00 AM	11:00 am – 12:00pm	12:00 PM – 02:00 PM						
Monday 22-7-24	Clinical Clerkship		Community medicine L-15	Batch	Discipline	Topic of Practical	TEACHER NAME	VENUE		
			Disposal of waste and healthful housing	A	Pharmacology	P- Drug prescription of community and nosocomial pneumonia	Supervised by: Dr Attiya Conducted by: Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba	PHARMA LAB		
		EVEN	ODD	B	Forensic Medicine	Inebriant (methyl alcohol poisoning)	Dr Shahrukh Dr Roheena PG observation Dr Pervaiz Dr AAqib	Toxicology Lab/ Lecture Hall 4		
	Dr Nargis APWMO Lecture Hall 1		,Dr Asif Demonstrator Lecture Hall 2	C	Pathology	Microscope, Bacterial morphology	Prof .Mobina Dodhy Dr. Syeda Aisha Dr.Iqbal Haider Dr. Unaiza Aslam Dr. Nida Fatima	Pathology Lab NTB		
Tuesday 23-7-24	VIVA		PHARMACOLOGY L-16	Batch	Discipline	Topic of Practical	TEACHER NAME	VENUE		
			Cephalosporins LGIS		B	Pharmacology	P- Drug prescription of community and nosocomial pneumonia	Supervised by: Dr Attiya Conducted by: Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba	PHARMA LAB	
				EVEN	ODD	C	Forensic Medicine	Inebriant (methyl alcohol poisoning)	Dr Shahrukh Dr Roheena PG observation Dr Pervaiz Dr AAqib	Toxicology Lab/ Lecture Hall 4
			DR. UZMA		DR. ZUNERA	A	Pathology	Microscope, Bacterial morphology	Prof .Mobina Dodhy Dr. Syeda Aisha Dr.Iqbal Haider Dr. Unaiza Aslam Dr. Nida Fatima	Pathology Lab NTB
Wednesday 24-7-24			Pharmacology L-17	Batch	Discipline	Topic of Practical	TEACHER NAME	VENUE		
			Carbapenems and monobactams	C	Pharmacology	P- Drug prescription of community and nosocomial pneumonia	Supervised by: Dr Attiya Conducted by: Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba	PHARMA LAB		
		EVEN	ODD	A	Forensic Medicine	Inebriant (methyl alcohol poisoning)	Dr Shahrukh Dr Roheena PG observation Dr Pervaiz Dr AAqib	Toxicology Lab/ Lecture Hall 4		


				DR.ZAHEER Lecture Hall 1	DR. MEMUNA Lecture Hall 2	B	Pathology	Microscope, Bacterial morphology	Prof .Mobina Dohdy Dr. Syeda Aisha Dr.Iqbal Haider Dr. Unaiza Aslam Dr. Nida Fatima	Pathology Lab NTB					
Thursday 25-7-24			Pharmacology L-18		PATHOLOGY L-19			FORENSIC MEDICINE L-20							
			Vancomycin and cell wall synthesis inhibitors		12:00 PM – 01:00 PM			01:00 PM – 02:00 PM							
			Anti-microbial Drugs Resistance and Vaccines		Inebriants (Alcohol),										
			EVEN		ODD		EVEN		ODD						
				DR. ZUNERA Lecture Hall 2	DR. ZOEFISHAN Lecture Hall 1		Dr. Fatima tuz Zahra Lecture Hall 1	Dr. Mudassira Zahid Lecture Hall 2	DR. FILZA Toxicology Lab	DR. ROMANA Lecture hall 4					
Friday 26-7-24	08:00am - 08:25am	08:25am - 08:45am	08:45am – 09:30am		09:30am – 10:15am		10:15am - 11:00am		11:00am – 12:00pm						
	PATHOLOG Y SDL	PATHOLOG Y SGD	Medicine L-22		PAEDS L-23		SURGERY L-24		PHARMACOLOGY L-25						
	Sterilization and disinfection		Brucellosis		Neonatal Tetanus LGIS,		Critical Surgical infections and their treatment LGIS		Fluoroquinolones						
	A	Prof. Mobina Ahsan Dohdy Lecture Hall 1	EVEN	ODD			Even	Odd	EVEN	ODD					
	B	Dr. Mudassira Zahid Lecture Hall 2	PROF. M.KHURAM Lecture Hall 1	DR.NIDA Lecture Hall 2	Even	Odd	DR. RAHAT Lecture Hall 1	DR.RAML AH GAZANFAR Lecture Hall 2	DR.UZMA Lecture Hall 2	DR. ATTIYA Lecture Hall 1					
	C	Dr. Shabih Haider Lecture Hall 6													
	D	Dr. Sarah Rafi Pharma Lab			Dr. Bushra Lecture Hall 2	Dr.Huma Lecture Hall 1									
Saturday 27-7-24	08:00am - 08:45am		08:45am – 09:30am		09:30am – 10:30am		10:30 AM – 11:00 am		11:00am – 12:00pm		12:00:pm – 01:00pm		01:00pm – 02:00pm		
	PATHOLOGY LGIS		FOREINSIC MEDICINE L-27		PHARMACOLOGY CBL				PEADS L-28		SURGERY L-29		Pathology L		
	Staphylococci		Agricultural poisons (OPC)		Rheumatic fever				Diphtheria, pertussis, chicken pox		Prevention of surgical infection		Streptococci		
	EVEN		ODD		LECTURE HALL 1	Dr. Memuna			Even		ODD				
	Prof. Mobina Ahsan Dohdy Lecture Hall 1		Dr. Mudassira Zahid Lecture Hall 2		LECTURE HALL 2	Dr. Aisha			Dr. Muneeba Lecture Hall 1		DR. ASIFA DIYAN Lecture Hall 1		even		Odd
		DR. FILZA Lecture Hall 4		LECTURE HALL 6	Dr. Zaheer	Dr. Jawad Lecture Hall 2			DR. RAHAT Lecture Hall 2		Dr. Fatima tuz Zahra Lecture Hall 1		Dr. Mehreen Fatima Lecture Hall 2		

TIME TABLE 3rd YEARMBBS –MICROBES AND ANTI MICROBIAL MODULE 2024

(3rd Week)

DATE / DAY	8:00 AM	11:00 AM	11:00 am – 12:00pm	12:00 PM – 02:00 PM				
Monday 29-7-24	Clinical Clerkship		Pharmacology CBL	Batch	Discipline	Topic of Practical	Teacher Name	Venue
			Meningitis	A	Pharmacology 1	P- P drug & Prescription writing of gonorrhoea and pseudomembranous colitis	Teacher Name Supervised by: Dr Zunera Hakim Conducted by: Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba	PHARMACOLOGY LAB
	Lecture Hall 01	Dr Zaheer	B	Forensic Medicine 2	P- Insecticide wheat pill poisoning	Dr Gulzaib Dr Fatima PG observation Dr Saif Dr Yasir	Toxicology Lab/ Lecture Hall 4	
	Lecture Hall 02	Dr Zoefishan						
	Lecture Hall 06	Dr Arsheen	C	Pathology 3	P- Culture Media	Prof. Mobina Dodhy Dr. Abid Hassan Dr. Iqbal Haider Dr. Unaiza Aslam Dr. Nida Fatima	Pathology Lab NTB	
Pharmacy Lab	Dr Aisha Dr Saba							
Tuesday 30-07-24			Pharmacology CBL	Batch	Discipline	Topic of Practical	TEACHER NAME	VENUE
			VRSA endocarditis	B	Pharmacology	P drug & Prescription writing of gonorrhoea and pseudomembranous colitis	Teacher Name Supervised by: Dr Zunera Hakim Conducted by: Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba	PHARMACOLOGY LAB
	Lecture Hall 01	Dr Zaheer						
	Lecture Hall 02	Dr Zoefishan						
	Lecture Hall 06	Dr Arsheen						
Pharmacy Lab	Dr Aisha Dr Saba							
			C	Forensic Medicine	Insecticide wheat pill poisoning	Dr Gulzaib	Toxicology Lab/ Lecture Hall 4	

							Dr Fatima PG observation Dr Saif Dr Yasir	
				A	Pathology	Culture Media	Prof .Mobina Dodhy Dr. Abid Hassan Dr.Iqbal Haider Dr. Unaiza Aslam Dr. Nida Fatima	Pathology Lab NTB
Wednesday 31-7-24	Pathology L-31		Batch		Discipline	Topic of Practical	Teacher Name	Venue
	Gram negative cocci		C		Pharmacology	P drug & Prescription writing of gonorrhoea and pseudomembranous colitis	Teacher Name Supervised by: Dr Zunera Hakim Conducted by: Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba	PHARMACOLOGY LAB
	Even	Odd	A		Forensic Medicine	Insecticide wheat pill poisoning	Dr Gulzaib Dr Fatima PG observation Dr Saif Dr Yasir	Toxicology Lab/ Lecture Hall 4
	Dr. Fatima tuz Zahra Lecture Hall 1	Dr.Mehreen Fatima Lecture Hall 2	B		Pathology	Culture Media	Prof .Mobina Dodhy Dr. Abid Hassan Dr.Iqbal Haider Dr. Unaiza Aslam Dr. Nida Fatima	Pathology Lab NTB
Thursday 1-8-24	PATHOLOG Y SDL	PATHOLOG Y SGD	Family Medicine			Pharmacology L-34		
	11:00-11:30	11:30-12:00	12:00 PM – 01:00 PM					
	Gram positive rods		Sexually transmitted infections			01:00 PM – 02:00 PM		
	A	Dr Mudassira	Lecture Hall 1	BY: DR. SADIA Lecture Hall 1			Sulfonamides and trimethoprim	
	B	Dr. Kiran Ftima	Lecture Hall 2					
C	Dr..Shabih	Lecture	EVEN				ODD	

				Haider	Hall 6					DR. ARSHEEN Lecture Hall 1	DR. AISHA Lecture Hall 2			
				D Dr. Mehreen Fatima	Pharma Lab									
Friday 2-8-24	08:00am – 8:45 am PATHOLOGY L-35		8:45-9:30am PEADS L-38		9:30am – 10:15am PATHOLOGY L		10:15 - 11:00am PHARMACOLOGY L-40		11:00-12:00 FORENSIC MEDICINE L-41					
	Introduction to enterobacteriaceae, E. coli		Enteric Fever/ Acute Diarrhorea		Salmonella		Tetracyclines		Inorganic Irritants metallic poisons (Arsenic)					
	Even	Odd	Even	Odd	Even	Odd	SVEN	ODD	EVEN		ODD			
	Dr. Mudassira Zahid Lecture Hall 1	Prof. Mobina Ahsan Dohdy Lecture Hall 2	Dr.Maryam Lecture Hall 2	Dr. Naila Ahsan Lecture Hall 1	Prof. Naem Akhta Lecture Hall 1r	Dr. Fatima tuz Zahra Lecture Hall 2	DR. ATTIYA Lecture Hall 2	DR. ZAHEER Lecture Hall 1	DR.FILZA Toxicology Lab		DR. ROMANA Lecture Hall 4			
Saturday 3-8-24	08:00am - 08:45am		08:45am – 08:05am	9:05am- 9:30am	09:30am – 10:30am		10:30 AM – 11:00 am		11:00am – 12:00pm		12:00:pm – 01:00pm		01:00pm – 02:pm	
	Gynaecology		Pathology SDL	Pathology SGD	FAMILY MEDICINE L-44				PHARMACOLOGY L-		Medicine		Surgery L-47	
	Infections in pregnancy		Klebsiella, Shigella, vibrio		An approach to patient with fever		BREAK 		macrolides		Influenza		Antimicrobial treatment in surgical infections	
	BY : DR.SOBIA Lecture Hall 1		A	Dr Mudassira	Lecture Hall 1	BY: DR. SADIA Lecture Hall 1			EVEN	ODD	EVEN	ODD	EVEN	ODD
		B	Dr. Kiran Ftima	Lecture Hall 2	DR. ATTIYA Lecture Hall 1			DR. MEMUNA Lecture Hall 2	Dr. Unaiza Lecture Hall 2	DR. NIDA Lecture Hall 1	DR. RAHAT Lecture Hall 1	DR. FAIZA (SR HFH) Lecture Hall 2		
		C	Dr..Shabih Haider	Lecture Hall 6										
		D	Dr. Sara Rafi	Pharma Lab										

Rawalpindi Medical University Rawalpindi

TIME TABLE 3rd YEARMBBS –MICROBES AND ANTI MICROBIAL MODULE 2024

(4th Week)

DATE / DAY	8:00 AM	11:00 AM	11:00am – 12:00pm		12:00 PM – 02:00 PM					
	Clinical Clerkship		Pathology SDL 11:30-12:00		Pathology SGD 11:30 - 12:00	Batch	Discipline	Topic of Practical	TEACHER NAME	VENUE
Monday 5-8-24			H. pylori and Compylobacter		A	Pharmacology P-4	P drug & Prescription writing Of atypical pneumonia and enteric fever	Supervised by: Dr. Attiya Munir Conducted by: Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba	PHARMACOLOGY LAB	
	A	DR.FATIMA TUZ ZAHRA	LECTURE HALL1		B	Forensic Medicine P-5	Irritants / Metallic Poisons	Dr Shahida Dr. Urooj PG observation Dr Innayat Dr Wasim	Toxicology Lab/ Lecture Hall 4	
	B	DR. KIRAN FATIMA	LECTURE HALL2							
	C	DR. SHABIH HAIDER	LECTURE HALL6		C	Pathology P-6	Gram staining and Zn staining	Prof .Mobina Dodhy Dr. Abid Hassan Dr.Syeda Aisha Dr. Unaiza	Pathology Lab NTB	

		D	DR. SARAH RAFI	PHARMA LAB				Aslam Dr. Nida Fatima	
		Behavioraal sciences			Batch	Discipline	Topic of Practical	TEACHER NAME	VENUE
Tuesday 6-8-24	Crisis Intervention, Conflict Resolution, Empathy	B	Pharmacology P-4	P drug & Prescription writing Of atypical pneumonia and enteric fever				Supervised by: Dr. Attiya Munir	PHARMACOLOGY LAB
								Conducted by: Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba	
								Dr. Shahida	
	BY:DR.SADIA Lecture Hall 1	C	Forensic Medicine P-5	Irritants / Metallic Poisons				Dr. Urooj	Toxicology Lab/ Lecture Hall 4
								PG observation Dr Innayat Dr Wasim	
		A	Pathology P-6	Gram staining and Zn staining				Prof .Mobina Dodhy	Pathology Lab NTB
								Dr. Abid Hassan Dr.Syeda Aisha Dr. Unaiza Aslam Dr. Nida Fatima	
		Pathology L-50			Batch	Discipline	Topic of Practical	TEACHER NAME	VENUE
Wednesday 7-8-24	Gram negative rods related to respiratory tract	C	Pharmacology P-4	P drug & Prescription writing Of atypical				Supervised by: Dr. Attiya Munir	PHARMACOLOGY LAB

						pneumonia and enteric fever	Conducted by: Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba	
		Even	Odd				Dr Shahida Dr. Urooj PG observation Dr Innayat Dr Wasim	Toxicology Lab/ Lecture Hall 4
		Prof. Mobina Ahsan Dohdy Lecture Hall 1	Dr. Kiran Fatima Lecture Hall 2	A	Forensic Medicine P-5	Irritants / Metallic Poisons		
				B	Pathology P-6	Gram staining and Zn staining	Prof .Mobina Dodhy Dr. Abid Hassan Dr.Syeda Aisha Dr. Unaiza Aslam Dr. Nida Fatima	Pathology Lab NTB
Thursday 8-8-24	Pathology CBL						1:00-2:00 pm	
	Gram Negative Rods Related to Zoonotic diseases			Pharmacology L-52			FORENSIC MEDICINE L-53	
	A	Dr..Shabih Haider	Lecture Hall 1	Clindamycin and other protein synthesis inhibitors			Inorganic Irritants Metallic Poisons (Lead)	
	B	Dr. Faiza Zafar	Lecture Hall 2	EVEN	ODD	EVEN	ODD	
	C	Dr..Nida Fatima	Lecture Hall 6					
	D	Dr. Unaiza Aslam	Pharma Lab	DR AISHA Lecture Hall 1	DR. SABA Lecture Hall 2	DR. FILZA Lecture Hall 4	DR. ROMANA Toxicology Lab	
Friday 9-8-24	8:00-8:45 am PHARMACOLOGY L 54	8:45-9:30am Pathology L	9:30-10:15am FORENSIC MEDICINE L-48L	10:15-11:00am PATHOLOGY CBL	11:00-12:00 PM MEDICAL ETHICS L			
	Aminoglycoside	Rickettsia, Chlamydia	Non-metallic Poisons (phosphorus and iodine)	Spirochetes	Medical errors			

	EVEN	ODD	Even	Odd	EVEN	ODD	A	Dr.Abid Hassan	Lecture Hall 1	PROF.AKRAM Lecture Hall 1					
							B	Dr. Mahjabeen	Lecture Hall 2						
	DR ATTIYA Lecture Hall 1	DR. ZOEESHAN Lecture Hall 2	Dr. Mehreen Fatima Lecture Hall 2	Dr Mudassir a Zahid Lecture Hall 1	DR.FILZA Lecture Hall 4	DR. ROMANA Toxicology Lab	C	Dr.Syeda Iqbal Haida	Lecture Hall 6						
							D	Dr. Syeda Aisha	Pharma Lab						
Saturday 10-8-24	8:00-8:45 am Medical Ethics CBL		8:45-9:30 am QURAN CLASS		9:30-10:15 am PATHOLOGY CBL		10:15-11:00 am			Behavioral sciences	12:00-1:00 pm Community medicine		1:00-2:00 pm MEDICINE L-		
	Medical errors		Taleem wa Taaalum		Poliomyelitis, Rabies Virus					Anxiety And Stress Related Disorder	Public health importance of light, noise and meteorological environment		Polio, Rabies virus		
	PROF.AKRAM Lecture Hall 1		Qari Abdul Hadeeb Lecture Hall 1		A	Dr..Shahid Haider	Lecture Hall 1				BY:DR.SADIA Lecture Hall 1	EVEN	ODD	EVEN	ODD
					B	Dr. Faiza Zafar	Lecture Hall 2								
C					Dr..Nida Fatima	Lecture Hall 6									
D					Dr. Unaiza Aslam	Pharma Lab									
											Dr Mehwish Lecture Hall 2	Dr Abdulquddoos Lecture Hall 1	Dr. Unaiza Lecture Hall 1	DR. NIDA Lecture Hall 2	

Rawalpindi Medical University Rawalpindi

TIME TABLE 3rd YEAR MBBS –MICROBES AND ANTI MICROBIAL MODULE 2024

(5th Week)

DATE / DAY	8:00 AM	11:00 AM	11:00 am – 12:00pm	12:00 PM – 02:00 PM				
Monday 12-8-24	Clinical Clerkship		-Pharmacology	Batch	Discipline	Topic of Practical	Teacher Name	Venue
			Anti-viral I	A	Pharmacology P-7	Pharmacy visit	Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba Dr Gulzaib	HFH DHQ BBH
	EVEN	ODD		B	Forensic Medicine P-8	Autopsy Visits/Postmortem&MedicolegalWork/Research	Dr Fatima PG observation Dr Saif Dr Yasir	DHQ Hospital
	DR. ZUNERA Lecture Hall 1	DR. ATTIYA Lecture Hall 2		C	Pathology P-9	Biochemical Tests (Catalase, Coagulase, Urease, oxidase, indole test, citrate) and molecular tests (ELISA,PCR,ICT)	Prof .Mobina Dodhy Dr. Abid Hassan Dr.Syeda Aisha Dr.Iqbal Haider Dr. Nida Fatima	Pathology Lab NTB
Tuesday 13-8-24			Pharmacology L	Batch	Discipline	Topic of Practical	Teacher Name	Venue
			Antiviral II	B	Pharmacology P-7	Pharmacy visit	Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba Dr Gulzaib	HFH DHQ BBH
	EVEN	ODD		C	Forensic Medicine P-8	Autopsy Visits/Postmortem&MedicolegalWork/Research	Dr Fatima PG observation Dr Saif Dr Yasir	DHQ Hospital
	DR. ZUNERA Lecture Hall 1	DR. ATTIYA Lecture Hall 2		A	Pathology P-9	Biochemical Tests (Catalase, Coagulase, Urease, oxidase, indole test, citrate) and	Prof .Mobina Dodhy Dr. Abid Hassan	Pathology Lab NTB

									molecular tests (ELISA,PCR,ICT)	Dr.Syeda Aisha Dr.Iqbal Haider Dr. Nida Fatima	
Wednesday 14-8-24	HOLIDAY										
Thursday 15-8-24	Pathology L-		12:00-2:00PM								
	Measles, Mumps, Rubella		BATCH	DISCIPLINE	TOPIC OF PRACTICAL			TEACHER NAME		VENUE	
			C	Pharmacology P-7	Pharmacy visit			Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba Dr Gulzaib		HFH DHQBBH	
	Even	Odd	A	Forensic MedicineP-8	Autopsy Visits/Postmortem&Medicole galWork/Research			Dr Fatima PG observation Dr Saif Dr Yasir		DHQ Hospital	
Dr. Kiran Fatima Lecture Hall 2	Dr. Mehreen Fatima Lecture Hall 1	B	Pathology P-9	Biochemical Tests (Catalase, Coagulase, Urease, oxidase, indole test, citrate) and molecular tests (ELISA,PCR,ICT)			Prof .Mobina Dodhy Dr. Abid Hassan Dr.Syeda Aisha Dr.Iqbal Haider Dr. Nida Fatima		Pathology Lab NTB		
Friday 16-8-24	08:00am - 08:45am		08:45am – 09:30am		09:30am – 10:15am		10:15am - 11:00am		11:00am – 12:00pm		
	PATHOLOGY CB63. CBL-		PHARMACOLOGY L-		Forensic medicine CBL		Forensic medicine CBL		PATHOLOGY L-		
	Diarroheal viruses		Antiviral III		Vegetable poisons(castor, croton, capsicum, ergot, abrus)		Vegetable poisons(castor, croton, capsicum, ergot, abrus)		Respiratory viruses		
	A	Dr.Abid Hassan Lecture Hall 1	EVEN	ODD	TEACHER NAMES Dr Naila Dr Roheena		TEACHER NAMES Dr Naila		Even	Odd	Dr. Fatima tuz Zahra Lecture Hall 1
B	Dr. Mahjabe en Lecture Hall 2	DR. ZUNER Lecture Hall 1	DR. ATTIYA Lecture Hall 2								


	C	Dr.Syeda Iqbal Haider	Lecture Hall 6			PG observation Dr Pervaiz Dr AAqib Lecture Hall 4/Toxicology Lab	Dr Roheena PG observation Dr Pervaiz Dr AAqib Lecture Hall 4/Toxicology Lab										
	D	Dr. Syeda Aisha-	Pharma Lab														
Saturday 17-8-24	08:00am - 08:45am		08:45am – 09:30am		09:30am – 10:30am		10:30 AM – 11:00 am		11:00am – 12:00pm		12:00:pm – 01:00pm		01:00pm – 02:pm				
	PATHOLOGY CBL-		PHARMACOLOGY CBL-		PATHOLOGY L				PEADS L-		Pharmacology		Medicine L-				
	Herpes Viruses, HSV			Shingles			HIV/AIDS diseases			Measles/Mumps/ Rubella			AMG use in sepsis		HIV and immunodeficiency		
	A	Dr..Shabih Haider	Lecture Hall 1	Lecture Hall 01	Dr Zaheer Dr Uzma	EVEN		ODD		Even		Odd		Lecture Hall 01	Dr Zaheer Dr Uzma	DR. NIDA Lecture Hall 1	Dr .Unaiza Lecture Hall 2
	B	Dr. Faiza Zafar	Lecture Hall 2	Lecture Hall 02	Dr Zoefishan									Lecture Hall 06	Dr Arsheen Dr Aisha Dr Saba		
	C	Dr..Nida Fatima	Lecture Hall 6	Pharmacy Lab						Pharmacy Lab	Dr Aisha Dr Saba						
	D	Dr. Unaiza Aslam	Pharma Lab			Prof. Naeem Akhtar Lecture Hall 1	Dr. Kiran Fatima Lecture Hall 2	Dr. Sumbal Lecture Hall 2	Dr. Syrah Lecture Hall 1								



TIME TABLE 3rd YEARMBBS –MICROBES AND ANTI MICROBIAL MODULE – 2024 (6th Week)

DATE / DAY	8:00 AM	11:00 AM	11:00 am – 12:00pm	12:00 PM – 02:00 PM							
Monday 19-8-24	Clinical Clerkship		Pathology L	Batch	Discipline	Topic of Practical	Teacher Name	Venue			
			Systemic Mycosis and Anti-fungals	A	Pharmacology P-10	P drug & Prescription writing of oral candidiasis and HSV encephalitis	Supervised by: Dr Zunera Hakim	PHARMACOLOGY LAB			
				EVEN	ODD		B		Forensic Medicine P-11	Autopsy	Conducted by: Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba Dr Shahida
											Prof. Mobina Ahsan DOhdy Lecture Hall 1
				Prof. Mobina Dodhy Dr. Abid Hassan Dr.Syeda Aisha Dr.Iqbal Haider Dr. Unaiza Aslam	Pathology Lab NTB						
Tuesday 20-8-24			Pathology CBL			Batch	Discipline	Topic of Practical	Teacher Names	Venue	
			Cutaneous and subcutaneous Mycosis	B	Pharmacology P-10	P drug & Prescription writing of oral candidiasis and HSV encephalitis	Supervised by: Dr Zunera Hakim	PHARMACOLOGY LAB			
							Conducted by: Dr Zaheer Dr Uzma Dr Zoefishan Dr Arsheen Dr Aisha Dr Saba				

		A	Dr. Abid Hassan	Lecture Hall 1	C	Forensic Medicine P-11	Autopsy	Dr Shahida	DHQ Hospital
		B	Dr. Mahjabeen	Lecture Hall 2				Dr Naila	
		C	Dr. Syeda Iqbal Haider	Lecture Hall 6	A	Pathology P-12	Lab Diagnosis of Fungal Infections	Prof. Mobina Dodhy	Pathology Lab NTB
		D	Dr. Syeda Aisha-	Pharma Lab				Dr. Abid Hassan	
		Pharmacology L		Batch	Discipline	Topic of Practical	Teachers Name	Venue	
		Antifungal Agents I		C	Pharmacology P-10	P drug & Prescription writing of oral candidiasis and HSV encephalitis	Supervised by: Dr Zunera Hakim	PHARMACOLOGY LAB	
		Conducted by: Dr Zaheer							
		Dr Uzma							
		Dr Zoefishan							
		Dr Arsheen							
		Dr Aisha							
		Dr Saba							
		Dr Shahida							
		Dr Naila							
		PG observation							
		Dr Pervaiz							
		Dr AAqib							
		DR.UZMA Lecture Hall 2	DR. ZAHEER Lecture Hall 1	B	Pathology P-12	Lab Diagnosis of Fungal Infections	Prof. Mobina Dodhy	Pathology Lab NTB	
		Dr. Abid Hassan							
		Dr. Syeda Aisha							
		Dr. Iqbal Haider							
		Dr. Unaiza Aslam							
Thursday 22-8-24		Pharmacology L		12:00-2:00 PM					

					Antifungal Agents II	Forensic medicine CBL									
					EVEN	ODD	CORROSIVES (sulfuric acid, Nitric acid, Hydrochloric acid)								
					DR. UZMA Lecture Hall 2	DR. ZAHEER Lecture Hall 1	TEACHER NAMES Dr. Shahrukh Dr. Urooj PG observation Dr Innayat Dr Wasim								
Friday SEMINAR DAY 23-8-24	08:00am – 09:00am		09:00am – 10:00am		10:00am – 11:00am		11:00am - 12:00am								
	Pathology L		Medicine L		DID		Paeds								
	Dengue fever ,Pathological aspects and Lab Diagnosis LGIS		Dengue fever, Sign symptoms and Treatment		Preventive measures and spread of dengue fever		Pediatric presentation of Dengue fever								
	EVEN	ODD	EVEN	ODD	By : Prof. Mujeeb(Head of DID) Lecture Hall 1		Even	Odd							
	Dr. Fatima tuz Zahra Lecture Hall 1	Dr. Kiran Fatima Lecture Hall 2	Dr.Unaiza Lecture Hall 2	DR. NIDA Lecture Hall 1			Dr. Verda Imtiyaz Lecture Hall 2	Dr. Maria Lecture Hall 1							
Saturday 24-8-24	08:00am - 08:45am		08:45am – 09:30am		09:30am – 10:30am		10:30 AM – 11:00 am		11:00am – 12:00pm		12:00:pm – 01:00pm		01:00pm – 02:pm		
	Pharmacology		Pharmacology		Pathology L				PATHOLOGY CBL		FORENSIC MEDICINE L-		PATHOLOGY CBL		
	Anti-cancer drugs I		Anti0cancer drugs II		Varicella zoster and cytomegalovirus				Candida		Spinal Poisons Strychnine (Nux Vomica)		Opportunistic Mycosis		
	EVEN	ODD	EVEN	ODD	EVEN	ODD			EVEN	ODD					
		DR. ZUNERA Lecture Hall 1	DR. ATTIYA Lecture Hall 2	DR. ZUNERA Lecture Hall 1	DR. ATTIYA Lecture Hall 2	Prof. Mobina Ahsan Dohdy Lecture Hall 2			Dr. Mudassir a Zahid Lecture Hall 1	A	Dr..Shabi h Haider	Lectu re Hall 1	DR. FILZA Lecture Hall 4	DR. ROMANA Toxicology Lab	A
								B	Dr. Faiza Zafar Dr..Nida Fatima	Lectu re Hall 2	B	Dr. Mahja been			Lect ure Hall 2
							C	Dr. Unaiza Aslam	Lectu re Hall 6	C	Dr.Sye da Iqbal Haider	Lect ure Hall 6			
							D	Dr..Shabi h Haider	Phar ma Lab	D	Dr. Syeda Aisha-	Phar ma Lab			

TIME TABLE 3rd YEARMBBS –MICROBES AND ANTI MICROBIAL MODULE – 2024

(7th Week)

DATE / DAY	8:00 AM	11:00 AM		12:00 - 02:00 PM
26-8-23				
Tuesday 27-8-23	End Block Theory Exam			
Wednesday 28-8-23	End Block OSPE/VIVA Exam			
Thursday 29-8-23	End Block OSPE/VIVA Exam			
Friday 30-8-23	End Block OSPE/VIVA Exam			
Saturday 31-8-23	New Module			

Teaching Hours

SR No.	Disciplines	LGIS	SGD	CBL	SDL	Hours
1.	Pharmacology	18	0	05	0	23
2.	Pathology	15	04.5	08	04.5	34
3.	Forensic Medicine	06	0	03	0	9
4.	Community Medicine	02	0	0	0	02
5.	Surgery	05	0	0	0	05
6.	-Medicine -Department of Infectious diseases (DID)	07 01	0	0	0	08
7.	Peads	05	0	0	0	05
8.	Behavioral Sciences	02	0	0	0	02
9.	Quran Class	02	0	0	0	02
10.	Family Medicine	03	0	0	0	03
11.	Medical Ethics	01	0	01	0	02
12.	Biochemistry	01	0	0	0	01
13.	Gynecology	01	0	0	0	01
Total Hours = 97						

Practical and Clinical Clerkship hours

Disciplines	Practical hours	Disciplines	Clerkship hours
Pharmacology	2x5 = 10 hrs	Surgery	3 x 4 x5= 60 hrs
Pathology	2x5 = 10hrs	Medicine	3 x 4 x5= 60 hrs
Forensic Medicine	2x5 = 10 hrs	Sub Specialty	3 x 4 x5= 60hrs

- LGIS (L) *
- SGD (S) **
- CBL (C) ***
- SDL (SL) ****

❖ For CBL/SGDs, whole class will be divided into 04 batches

Batch: A = Lecture hall 1(starting from clinical batch A1 to A4)

Batch: B = Lecture Hall 02 (starting from clinical batch A5, B1,B2,B3)

Batch: C = Lecture Hall 06 (starting from clinical batch B4, B5, C1,C2)
&C5)

Batch: D = Pharma Lab (starting from clinical batch C3,C4

The batch distribution & venues for whole year are fixed with no change except for extra ordinary situations.

Lectures & Practical distribution of All subjects

Microbes and Antimicrobial Module 2024

Subject	No Of Lectures	lecturer	No of Lectures	No. of lectures per Facilitator
Pharmacology	15 LGIS 05 CBL	Dr Zunera	10	
		Dr Arsheen	02	02 LGIS, 04 CBL
		Dr Uzma	06	06 LGIS, 04 CBL
		Dr Zoefishan	02	02 LGIS, 05 CBL
		Dr Memuna	02	02 LGIS, 01 CBL
		Dr Attiya	08	08 LGIS
		Dr Sara	01	01 LGIS
		Dr Zaheer	04	04 LGIS, 05 CBL
		Dr Aisha	01	01 LGIS, 05 CBL
		Dr Saba	00	04 CBL
Pharmacology Practical	05	Dr Attiya	02	Practical
		Dr Zaheer	05	Practical
		Dr Uzma	05	Practical
		Dr Zoefishan	05	Practical
		Dr Arsheen	05	Practical
		Dr Aisha	05	Practical
		Dr Saba	05	Practical
		Dr Zunera	02	Practical
Forensic Medicine	06 LGIS 03 CBL	Dr. Filza	06	LGIS
		Dr. Romana	06	LGIS
		Dr Nadia	02	CBL
		Dr Roobina	02	CBL
		Dr Pervaiz	02	CBL
		Dr Aaqib	02	CBL
		Dr Sharukh	01	CBL
		Dr Urooj	01	CBL
		Dr Innayat	01	CBL
		Dr. Wasim	01	CBL
Forensic Medicine Practical	05	Dr. Sharuk	01	Practical
		Dr. Robeena	01	Practical
		Dr. Pervaiz	02	Practical
		Dr.Aaqib	02	Practical

		Dr Gulzaib	02	Practical
		Dr Fatima	02	Practical
		Dr Saif	02	Practical
		Dr Yasir	02	Practical
		Dr Shahida	02	Practical
		Dr Urroj	01	Practical
		Dr Wasim	01	Practical
		Dr Innayat	01	Practical
		Dr Naila	01	Practical
Pathology	15	Prof. Naeem Akhter	03	LGIS
		Dr. Kiran Fatima	07	LGIS
		Dr. Mudassira Zahid	05	LGIS
		Dr. Fatima tuz Zahra	06	LGIS
		Prof. Mobina Ahsan Dodhy	05	LGIS
		Dr. Mehreen Fatima	04	LGIS
Pathology SDL/SGD	07	Dr. Kiran Fatima	05	05 SGD, 05SDL
		Dr. Mudassira Zahid	04	04 SGD, 04 SDL
		Dr. Fatima tuz Zahra	02	02 SGD, 02 SDL
		Prof. Mobina Ahsan Dodhy	01	01 SGD, 01 SDL
		Dr. Mehreen Fatima	03	03 SGD, 03 SDL
		Dr. Sara Rafi	06	06 SGD, 06 SDL
		Dr. Shabih Haider	07	07 SGD, 07 SDL
Pathology CBL	08	Prof. Mobina Ahsan Dodhy (supervisor)	02	CBL
		Dr. Kiran Fatima (supervisor)	02	CBL
		Dr. Mudassira Zahid (supervisor)	02	CBL
		Dr. Fatima tuz Zahra(supervisor)	02	CBL
		Dr. Shabih Haider	04	CBL
		Dr. Faiza Zafar	04	CBL
		Dr. Nida Fatima	04	CBL
		Dr. Unaiza Aslam	04	CBL
		Dr. Mahjabeen	04	CBL
		Dr. Syeda Aisha	04	CBL
		Dr. Syed Iqbal Haider	04	CBL
Dr. Abid Hassan	04	CBL		
Pathology Practical	05	Prof. Mobina Dodhy	05	Practical
		Dr. Abid Hassan	04	Practical
		Dr. Syeda Aisha	04	Practical
		Dr. Iqbal Haider	04	Practical
		Dr. Nida Fatima	04	Practical

		Dr. Unaiza Aslam	04	Practical
Surgery	05	Dr. Rahat	05	LGIS
		Dr. Ramla	02	LGIS
		Dr. Huma	01	LGIS
		Dr. Asifa	01	LGIS
		Dr. Faiza (SR HFH)	01	LGIS
Peads	05	Dr. Bushra	01	LGIS
		Dr..Huma	01	LGIS
		Dr Jawad	01	LGIS
		Dr Muneeba	01	LGIS
		Dr Maryam	01	LGIS
		Dr Naila Ahsan	01	LGIS
		Dr Sunbal	01	LGIS
		Dr Syrah	01	LGIS
		Dr Maria	01	LGIS
Dr Verda Imtiaz	01	LGIS		
Medicine	07	Dr. Khuram	03	LGIS
		Dr.Unaiza	04	LGIS
		Dr. Nida	07	LGIS
DID	01	Prof. Mujeeb	01	01 LGIS
Behavioral Sciences	02	Dr. Sadia	02	02 LGIS
Family Medicine	03	Dr. Sadia	03	03 LGIS
Medical Ethics	02	Prof. Akram	02	01 LGIS, 01 CBL
Quran Class	02	Qari Abdul Hadeeb	02	2 LGIS
Gynecology	01	Dr. Sobia	01	01 LGIS
Biochemistry	01	Dr. Aneela	01	01 LGIS
		Dr. Kashif	01	01 LGIS
Community Medicine	02	Dr. Nargis APWMO	01	01 LGIS
		Dr. Asif Demonstrator	01	01 LGIS
		Dr. Mehwish	01	01 LGIS
		Dr. Abdulquddoos	01	01 LGIS

Annexure I

(Sample MCQ, SAQ, SEQ Papers, AV OSPE, OSPE & Video Assisted OSPE)

Note: These sample papers aim to facilitate comprehension. However, it's important to note that the content and format of actual assessment papers may differ.

RAWALPINDI MEDICAL UNIVERSITY
MICROBE AND ANTI-MICROBE MODULE EXAM 3RD YEAR MBBS
SAMPLE MODULE MCQS

Longitudinal c2

1. A small child presents to a local clinic with rash after taking penicillin for streptococcal throat infection. Which antibiotic should the physician prescribe instead of penicillin?
 - a. Amoxicillin
 - b. Azithromycin**
 - c. Cephalexin
 - d. Doxycyline
 - e. Clindamycin

Core c2

2. A 65 years man is admitted to emergency with fever, chills and confusion. His blood pressure is 90/60 mmHg, heart rate is 110 beats/min. blood cultures show gram positive cocci in clusters. What is the organism causing his sepsis?
 - a. Candida albicans
 - b. Stahylococcus aureus**
 - c. E. coli
 - d. Streptococcus pneumoniae
 - e. Bacteroides

Core c3

3. A 45 years HIV positive lady presents with sore throat and difficulty in swallowing. On examination she has white plaques on the buccal mucosa, throat and tongue. What is the causative organism?
 - A. Trichophyton rubrum
 - B. Candida albicans**
 - C. Malassezia furfur 1
 - D. Sporothrix schenckii
 - E. Epidermophyton floccosum

RAWALPINDI MEDICAL UNIVERSITY
MICROBE AND ANTI-MICROBE MODULE EXAM 3RD YEAR MBBS
SAMPLE MODULE SEQs

1. A 23 years girl develops severe watery diarrhoea with crampy abdominal pain after ingesting refrigerated rice.
 - a. Name the bacteria causing diarrhoea in this case? 2
 - b. What is the mechanism of action of development of this diarrhoea? 2
 - c. Name any 3 normal flora which do not allow growth of this bacteria? 1

2. A laboratory technician is having concerns regarding sterility of culture media before use.
 - a. Which instrument is best for sterilization of culture media? 2
 - b. What is the principle of sterilization through this instrument? 1
 - c. What are the conditions required for its standard operation? 2

3. A 43 years male presents with high grade fever and low blood pressure. He has an abscess on his foot. His pus microscopy reveals Gram positive cocci.
 - a. Which structure present in cell wall of Gram positive bacteria is responsible for its toxin mediated activity? 1
 - b. Describe structure of cell wall of Gram positive bacteria? 2
 - c. Name any 2 other virulent factors of Gram positive bacteria? 2

RAWALPINDI MEDICAL UNIVERSITY
MICROBE AND ANTI-MICROBE MODULE EXAM 3RD YEAR MBBS
BLOCK MCQS SAMPLE

Core c3

1. In a laboratory a technician needs to sterilize heat sensitive plastic petri dishes. Which method should he use?

A. Ethylene oxide gas

B. dry heat

C. moist heat

D. radiation

E. Chemicals

Core c3

2. A 22 years male presents with severe headache, high fever, neck stiffness and photophobia. His CSF analysis shows high neutrophils count. Gram staining of the CSF sample shows gram negative cocci in pairs. Which of the following is the most likely pathogen?

A. Streptococcus pyogenes

B. Streptococcus agalactiae

C. Streptococcus pneumoniae

D. Enterococcus faecalis

E. Streptococcus viridans

Core c3

3. A 30-years pregnant woman presents for routine prenatal screening. She has no complaints, but screening for sexually transmitted infections (STIs) is recommended. Which of the following tests is the most appropriate for detecting Chlamydia trachomatis infection in pregnant women?

A. Culture of cervical swab

B. Nucleic acid amplification test (NAAT) of cervical swab

C. Gram stain of vaginal discharge

D. Serologic testing for chlamydia antibodies

E. Dark Field Microscopy of swab

RAWALPINDI MEDICAL UNIVERSITY
MICROBE AND ANTI-MICROBE MODULE EXAM 3RD YEAR MBBS
LAB OSPE (OBSERVED) SAMPLE

STATION NO: 1**Total Marks:** 05 Marks**Time Allowed:** 05 Minutes**Requirement:** Pen/Pencil, Rubber**OBJECTIVE:** Based on the scenario provided, discuss the potential role of AI algorithms in the diagnosis of sexually transmitted diseases.

A practitioner attends a seminar on latest diagnostic modalities and comes to know about application of artificial intelligence and machine learning in medical field. How can artificial intelligence going to help him in diagnosis of sexually transmitted diseases?

STATION NO: 2**Total Marks:** 05 Marks**Time Allowed:** 05 Minutes**Requirement:** Pen/Pencil, Rubber**OBJECTIVE:** **To know if a student is able to communicate with patient regarding his disease in an effective way**

A 21 years boy is diagnosed with hepatitis C virus. How are you going to counsel him regarding his disease management?

STATION NO: 3**Total Marks:** 05 Marks**Time Allowed:** 05 Minutes**Requirement:** Pen/Pencil, Rubber**OBJECTIVE:**

It assesses student's ability to perform oxidase test

Perform oxidase test and give your interpretation?

STATION NO:4**Total Marks:** 05 Marks**Time Allowed:** 05 Minutes**Requirement:** Pen/Pencil, Rubber**OBJECTIVE:** This question assesses the student's ability to effectively diagnose complex medical conditions in a sensitive and empathetic manner, providing support and education regarding the diagnosis and management of a potentially life-threatening condition

A newborn brought in by the parents with complaints of maculopapular rash, yellowish sclera and yellow urine, pale skin, and protruding tummy. Your task is to assess the patient and determine whether the diagnosis of congenital syphilis is appropriate.

RAWALPINDI MEDICAL UNIVERSITY
MICROBE AND ANTI-MICROBE MODULE EXAM 3RD YEAR MBBS
UNOBSERVED OSPE- SAMPLE

SAMPLE NO: 01

Total Marks: 05 Marks

Time Allowed: 05 Minutes

Requirement: Pen/Pencil, Rubber

OBJECTIVE: To assess student's knowledge of interpretation of biochemical tests

A 21 years lady complains of vaginal discharge and pelvic pain. A swab from her vagina is taken. Its microscopy reveals gram negative rods. The following test reveals positive result.



TASK:

- A. What is likely causative agent (1)
- B. What is this test called (1)
- C. Name any two organisms which give same result. (2)
- D. What is the principle of this test? (1)

SAMPLE NO 02:**Total Marks:** 05 Marks**Time Allowed:** 05 Minutes**Requirement:** Pen/Pencil, Rubber**OBJECTIVE:** To assess student's knowledge of serological testing

A 29 years lady presents with dysuria and frequent micturition. Her urine culture reveals gram negative rods which show the following phenomenon on blood agar.

**Task:**

- A. What is the name of the phenomenon which is shown in the following pictogram? (1)
- B. Name the organism which shows this phenomenon? (2)
- C. Name 2 complications associated with urinary tract infection caused by this organism? (2)

SAMPLE NO 03:**Total Marks:** 05 Marks**Time Allowed:** 05 Minutes**Requirement:** Pen/Pencil, Rubber**OBJECTIVE:**

To assess student's knowledge of microbes

A 32 years lady presents with boil in her nose. Identify the bacterial pathogen shown in the slide. (1)

- a. Identify the organism. (1)
- b. What is the Gram stain reaction? (!)
- c. Which infections are commonly associated with this microbe? (2)
- d. Which medium is commonly used to culture it? (1)

Clinical Clerkship

In medical education, a **clerkship**, or **rotation**, refers to the practice of medicine by medical students. Students are required to undergo a pre-clerkship course, which include introduction to clinical medicine, clinical skills, and clinical reasoning. A performance assessment such as the Objective Structured Clinical Examination (OSCE) is conducted at the end of this period. During the clerkship training, students are required to rotate through different medical specialties and treat patients under the supervision of physicians. Students elicit patient histories, complete physical examinations, write progress notes, and assist in surgeries and medical procedures. They are also actively involved in the diagnoses and treatment of patients under the supervision of a resident or faculty.

In 3rd year MBBS students are exposed to wards and patients after getting 2 years of basic science training. A class is divided into 15 batches which are rotated in different wards of Medicine & Allied, Surgery & Allied and Sub Specialties. **(Annexure 2 a)**

Rawalpindi Medical University has structured these rotations so that each students gets to gain knowledge equally in which ever ward he or she may be placed. **(Annexure 2 b)**

Learning objectives of the topics taught during the bedside studies and rotations are also given to the students in the form of study guide so that they are well aware what they have to study according to Knowledge, Skill & Attitude. **(Annexure 2 c)**

Students during their rotations in Medicine & Allied and Surgery & Allied are required to fill the log books which is dually signed by the facilitator. Each student is required to take 10 histories and fill the log book with short cases and long cases discussed which is then again signed by Head of the department. Also during their practical classes of Preclinical sciences they are fill their log books & pracital copies. **(Annexure 2 d)**

Annexure 2 B

Time Table 3rd year MBBS

Clinical Teaching and Training Posting

TT Approval / Revision Date		MEDICINE					SURGERY + TRAUMA					SUB SPECIALITIES									
Batches & Units	Dates	HFH Unit-1	HFH Unit-II	BBH Unit-1	BBH Unit-II	DHQ	HFH Unit-1	HFH Unit-II	BBH Unit-1	BBH Unit-II	DHQ	PATHOLOGY	TOPICS	PSYCHIATRY	TOPIC	RADIOLOGY	TOPIC	SKILL LAB	TOPIC	EMERGENCY	TOPIC
	W.V	A1	A2	A3	A4	A5	B5	B4	B3	B2	B1										
FOUNDATION 1 & 2 MODULE	WEEK 1	MONDAY	General introduction to the field of medicine. Medical ethics	General introduction to the field of medicine. Medical ethics	General introduction to the field of medicine. Medical ethics	General introduction to the field of medicine. Medical ethics	General introduction to the field of medicine. Medical ethics	introduction & bed side manners	introduction & bed side manners	introduction & bed side manners	introduction & bed side manners	introduction & bed side manners	Introductory round of laboratory & benches. Working of Autoclave. & Guidelines of Microbiological specimen collection & transport	History Taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections I/M, I/V, Intradermat, subcutaneous, I/V Cannulation, Arterial Tap	• Introduction to ER services regarding triage system. • History taking • Monitoring of vitals				
		TUESDAY	Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness	Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness	Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness	Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness	Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness	art of history taking	art of history taking	art of history taking	art of history taking	art of history taking	Culture media (Inoculated & Uninoculated), Antibiotic sensitivity testing, Orientation to Serology & PCR.	Demonstration of History taking and MSE	Chest x ray pathology	Nasogastric Intubation	Introduction to medical cases and maintenance of record, Observation of IV cannulas IM injections				
		WEDNESDAY	Systemic Inquiry, Past Medical History	Systemic Inquiry, Past Medical History	Systemic Inquiry, Past Medical History	Systemic Inquiry, Past Medical History	Systemic Inquiry, Past Medical History	systemic history	systemic history	systemic history	systemic history	systemic history	Performance & interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.	Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Nebulization				
		THURSDAY	Family History, Occupational History, Personal History, Developmental+Obstetrics History.	Family History, Occupational History, Personal History, Developmental+Obstetrics History.	Family History, Occupational History, Personal History, Developmental+Obstetrics History.	Family History, Occupational History, Personal History, Developmental+Obstetrics History.	Family History, Occupational History, Personal History, Developmental+Obstetrics History.	GPE	GPE	GPE	GPE	GPE	Urine & Stool Examination, Examination of CSF & Body Fluids	Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy	Insertion of Foley's catheter Nasogastric tube				
	MONDAY	General physical examination. Pulse, BP, Temp, Resp Rate	General physical examination. Pulse, BP, Temp, Resp Rate	General physical examination. Pulse, BP, Temp, Resp Rate	General physical examination. Pulse, BP, Temp, Resp Rate	General physical examination. Pulse, BP, Temp, Resp Rate	systemic examination	systemic examination	systemic examination	systemic examination	systemic examination	Reception, Sampling Techniques & Phlebotomy, Routine Hematology, Preparation of Blood Smear and Retic, Quality Control	C1 Interview with the patient Theoretical aspect of schizophrenia	C4 Fluoroscopic procedures & Ba studies.	C3 Breast Examination	• counsel a patient with febrile illness					

FOUNDATION 1 & 2 MODULE

WEEK 2	TUESDAY	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of abdomen, Superficial Palpation of Abdomen	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of abdomen, Superficial Palpation of Abdomen	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of abdomen, Superficial Palpation of Abdomen	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of abdomen, Superficial Palpation of Abdomen	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of abdomen, Superficial Palpation of Abdomen	local examination	local examination	local examination	local examination	local examination	Coagulation Studies, Bone Marrow, Hb Studies, Coomb's Test.	Presentation of cases histories of Substance use Interview with the patient Theoretical aspect of Substance use	CT scan brain: basics	Prostate Examination	• counsel a patient with stroke			
	WEDNESDAY	Inspection of abdomen, Superficial Palpation of Abdomen	Inspection of abdomen, Superficial Palpation of Abdomen	Inspection of abdomen, Superficial Palpation of Abdomen	Inspection of abdomen, Superficial Palpation of Abdomen	Inspection of abdomen, Superficial Palpation of Abdomen	basic physical signs in detail	basic physical signs in detail	basic physical signs in detail	basic physical signs in detail	basic physical signs in detail	Grouping, Cross Matching		Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed		
	THURSDAY	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	history & examination of lump	history & examination of lump	history & examination of lump	history & examination of lump	history & examination of lump		Ward test	Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback	Ward assessment(film based)	Test	• counsel a patient with obstructive lung disease	
WEEK 3	MONDAY	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	history & examination of lump	history & examination of lump	history & examination of lump	history & examination of lump	history & examination of lump	Introductory round of laboratory & benches, Working of Autoclave, & Guidelines of Microbiological specimen collection & transport Culture media (Inoculated & Uninoculated), Antibiotic sensitivity testing, Orientation to Serology & PCR. Performance & Interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests. Urine & Stool Examination, Examination of CSF & Body Fluids	History Taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections I/M, I/V, Intradermal, subcutaneous, I/V Cannulation, Arterial Tap	• Introduction to ER services regarding triage system, • History taking • Monitoring of vitals			
	TUESDAY	GIT System Test ODD Roll Numbers	GIT System Test ODD Roll Numbers	GIT System Test ODD Roll Numbers	GIT System Test ODD Roll Numbers	GIT System Test ODD Roll Numbers	history & examination of ulcer	history & examination of ulcer	history & examination of ulcer	history & examination of ulcer	history & examination of ulcer					Demonstration of History taking and MSE	Chest x ray pathology	Nasogastric Intubation	Introduction to medicolegal cases and maintenance of record, Observation of IV cannulas IM injections
	WEDNESDAY	GIT SystemS Test Even Roll Numbers	GIT SystemS Test Even Roll Numbers	GIT SystemS Test Even Roll Numbers	GIT SystemS Test Even Roll Numbers	GIT SystemS Test Even Roll Numbers	history & examination of Sinus/fistula	history & examination of Sinus/fistula	history & examination of Sinus/fistula	history & examination of Sinus/fistula	history & examination of Sinus/fistula					Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Nebulization
	THURSDAY	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	history & examination of skin	history & examination of skin	history & examination of skin	history & examination of skin					history & examination of skin	Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy
MONDAY	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	C2 Reception, Sampling Techniques & Phlebotomy, Routine Hematology, Preparation of Blood Smear and Retics, Quality Control	C1 Interview with the patient Theoretical aspect of schizophrenia	C5 Fluoroscopic procedures & Ba studies.	C4 Breast Examination	• counsel a patient with febrile illness			

FOUNDATION 1 & 2 MODULE

WEEK 4	TUESDAY	GPE; Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	GPE; Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	GPE; Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	GPE; Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	GPE; Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	Coagulation Studies, Bone Marrow, Hb Studies, Coomb's Test.	Presentation of cases histories of Substance use Interview with the patient Theoretical aspect of Substance use	CT scan brain: basics	Prostate Examination	• counsel a patient with stroke					
	WEDNESDAY	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid					history & examination of Thyroid	Grouping, Cross Matching	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed
	THURSDAY	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid					history & examination of Thyroid	Ward test	Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback	Ward assessment(film based)	Test	• counsel a patient with obstructive lung disease
WEEK 5	MONDAY	Resp., System (Even Roll Numbers)	Resp., System (Even Roll Numbers)	Resp., System (Even Roll Numbers)	Resp., System (Even Roll Numbers)	Resp., System (Even Roll Numbers)	history & examination of Mouth & tongue Salivary Gland	history & examination of Mouth & tongue Salivary Gland	history & examination of Mouth & tongue Salivary Gland	history & examination of Mouth & tongue Salivary Gland	history & examination of Mouth & tongue Salivary Gland	Introductory round of laboratory & benches. Working of Antoclave, & Guidelines of Microbiological specimen collection & transport	History Taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections I/M, I/V, Intradermal, subcutaneous, I/V Cannulation, Arterial Tap	• Introduction to ER services regarding triage system. • History taking • Monitoring of vitals					
	TUESDAY	Resp. System (Odd Roll Numbers)	Resp. System (Odd Roll Numbers)	Resp. System (Odd Roll Numbers)	Resp. System (Odd Roll Numbers)	Resp. System (Odd Roll Numbers)	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes					Culture media (Inoculated & Uninoculated). Antibiotic sensitivity testing. Orientation to Serology & PCR.	Demonstration of History taking and MSE	Chest x ray pathology	Nasogastric Intubation	Introduction to medicolegal cases and maintenance of record. Observation of IV cannulas IM injections	
	WEDNESDAY	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur.	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur.	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur.	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur.	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur.	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur.	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes					history & examination of Breast & Axillary lymph nodes	Performance & Interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.	Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Nebulization
	THURSDAY	CVS Examination GPE, JVP, Oedema, Clubbing Osler's Nodes, Janeway's Lesions, Splinter hemorrhages.	CVS Examination GPE, JVP, Oedema, Clubbing Osler's Nodes, Janeway's Lesions, Splinter hemorrhages.	CVS Examination GPE, JVP, Oedema, Clubbing Osler's Nodes, Janeway's Lesions, Splinter hemorrhages.	CVS Examination GPE, JVP, Oedema, Clubbing Osler's Nodes, Janeway's Lesions, Splinter hemorrhages.	CVS Examination GPE, JVP, Oedema, Clubbing Osler's Nodes, Janeway's Lesions, Splinter hemorrhages.	CVS Examination GPE, JVP, Oedema, Clubbing Osler's Nodes, Janeway's Lesions, Splinter hemorrhages.	history & examination of Acute Abdomen	history & examination of Acute Abdomen	history & examination of Acute Abdomen	history & examination of Acute Abdomen					history & examination of Acute Abdomen	Urine & Stool Examination, Examination of CSF & Body Fluids	Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy	Insertion of folleys catheter Nasogastric tube
MONDAY	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	history & examination of Chronic Abdomen	history & examination of Chronic Abdomen	history & examination of Chronic Abdomen	history & examination of Chronic Abdomen	history & examination of Chronic Abdomen	C3 Reception, Sampling Techniques & Plebectomy, Routine Hematology, Preparation of Blood Smear and Retic, Quality Control	C2 Interview with the patient Theoretical aspect of schizophrenia	C1 Fluoroscopic procedures & Ba studies.	C5 Breast Examination	• counsel a patient with febrile illness					

GIT & HE		GIT & HEPATOBIILIARY														
WEEK 8	WEDNESDAY	Examination of motor system (bulk, tone, power/ Reflexes.	Examination of motor system (bulk, tone, power/ Reflexes.	Examination of motor system (bulk, tone, power/ Reflexes.	Examination of motor system (bulk, tone, power/ Reflexes.	Examination of motor system (bulk, tone, power/ Reflexes.	peripheral nerves	peripheral nerves	peripheral nerves	peripheral nerves	peripheral nerves	Grouping, Cross Matching	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed
	THURSDAY	Examination of sensory system	Examination of sensory system	Examination of sensory system	Examination of sensory system	Examination of sensory system	patient with head injuries	patient with head injuries	patient with head injuries	patient with head injuries	patient with head injuries	Ward test	Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback	Ward assessment(film based)	Test	• counsel a patient with obstructive lung disease
WEEK 9	MONDAY	Examination of Cerebellar System/ Gait	Examination of Cerebellar System/ Gait	Examination of Cerebellar System/ Gait	Examination of Cerebellar System/ Gait	Examination of Cerebellar System/ Gait	bone lesions & injuries	bone lesions & injuries	bone lesions & injuries	bone lesions & injuries	bone lesions & injuries	Introductory round of laboratory & benches. Working of Autoclave, & Guidelines of Microbiological specimen collection & transport	History Taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections I/M, I/V, Intradermal, subcutaneous, I/V Cannulation, Arterial Tap	• Introduction to ER services regarding triage system. • History taking • Monitoring of vitals
	TUESDAY	CNS Test ODD Roll Numbers	CNS Test ODD Roll Numbers	CNS Test ODD Roll Numbers	CNS Test ODD Roll Numbers	CNS Test ODD Roll Numbers	Joint problems & injuries	Joint problems & injuries	Joint problems & injuries	Joint problems & injuries	Joint problems & injuries	Culture media (Inoculated & Uninoculated), Antibiotic sensitivity testing, Orientation to Serology & PCR.	Demonstration of History taking and MSE	Chest x ray pathology	Nasogastric Intubation	Introduction to medicolegal cases and maintenance of record. Observation of IV cannulas IM injections
	WEDNESDAY	CNS Test Even Roll Numbers	CNS Test Even Roll Numbers	CNS Test Even Roll Numbers	CNS Test Even Roll Numbers	CNS Test Even Roll Numbers	Individual joints	Individual joints	Individual joints	Individual joints	Individual joints	Performance & interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.	Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Nebulization
	THURSDAY	Revision	Revision	Revision	Revision	Revision	Management of pneumothorax	Management of pneumothorax	Management of pneumothorax	Management of pneumothorax	Management of pneumothorax	Urine & Stool Examination, Examination of CSF & Body Fluids	Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy	
WEEK 10	MONDAY	Revision	Revision	Revision	Revision	Revision	trauma primary care	trauma primary care	trauma primary care	trauma primary care	trauma primary care	C5 Reception, Sampling Techniques & Phlebotomy, Routine Hematology, Preparation of Blood Smear and Rectics, Quality Control	C4 Interview with the patient Theoretical aspect of schizophrenia	C3 Fluoroscopic procedures & Ba studies.	C2 Breast Examination	Insertion of folleys catheter Nasogastric tube • counsel a patient with febrile illness
	TUESDAY	Final Test ODD Roll Numbers	Final Test ODD Roll Numbers	Final Test ODD Roll Numbers	Final Test ODD Roll Numbers	Final Test ODD Roll Numbers	trauma secondary care	trauma secondary care	trauma secondary care	trauma secondary care	trauma secondary care	Coagulation Studies, Bone Marrow, Hb Studies, Coomb's Test.	C4 Interview with the patient Theoretical aspect of Substance use	CT scan brain: basics	Prostate Examination	• counsel a patient with stroke

GIT & HEPATOBIILIARY

		Final Test Even Roll Numbers	Final Test Even Roll Numbers	Final Test Even Roll Numbers	Final Test Even Roll Numbers	Final Test Even Roll Numbers	managemnet of limb fracture	managemnet of limb fracture	managemnet of limb fracture	managemnet of limb fracture	managemnet of limb fracture	Grouping, Cross Matching	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed
	WEDNESDAY															
	THURSDAY	MCQs	MCQs	MCQs	MCQs	MCQs	TEST	TEST	TEST	TEST	TEST	Ward test	Evaluation	Ward	Test	• counsel a
	21-01-2019 TO 7/4/2019 SPW	C1	C2	C3	C4	C5	A5	A4	A3	A2	A1					
WEEK 11	MONDAY	General introduction to the field of Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness	General introduction to the field of Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness	General introduction to the field of Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness	General introduction to the field of Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness	General introduction to the field of Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness	introduction & bed side manners art of history taking	introduction & bed side manners art of history taking	introduction & bed side manners art of history taking	introduction & bed side manners art of history taking	introduction & bed side manners art of history taking	Introductory round of laboratory & Culture media (Inoculated & Uninoculated), Antibiotic sensitivity testing, Orientation to Serology & PCR.	History Taking Allotment of Demonstration of History taking and MSE	Chest x ray anatomy Chest x ray pathology	Use of Injections IM, IV, Intradermal, subcutaneous, IV Nasogastric Intubation	• Introduction to ER services regarding triage system. Introduction to medico-legal cases and maintenance of record. Observation of IV cannulas IM injections
	TUESDAY	Systemic Inquiry, Past Medical History	Systemic Inquiry, Past Medical History	Systemic Inquiry, Past Medical History	Systemic Inquiry, Past Medical History	Systemic Inquiry, Past Medical History	systemic history	systemic history	systemic history	systemic history	systemic history	Performance & interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.	Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Nebulization
	WEDNESDAY	Family History, Occupational History, Personal History (Developmental+Obstetrics History.	Family History, Occupational History, Personal History (Developmental+Obstetrics History.	Family History, Occupational History, Personal History (Developmental+Obstetrics History.	Family History, Occupational History, Personal History (Developmental+Obstetrics History.	Family History, Occupational History, Personal History (Developmental+Obstetrics History.	GPE	GPE	GPE	GPE	GPE	Urine & Stool Examination, Examination of CSF & Body Fluids	Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy	
	THURSDAY	General physical examination. Pulse, BP, Temp, Resp Rate	General physical examination. Pulse, BP, Temp, Resp Rate	General physical examination. Pulse, BP, Temp, Resp Rate	General physical examination. Pulse, BP, Temp, Resp Rate	General physical examination. Pulse, BP, Temp, Resp Rate	systemic examination	systemic examination	systemic examination	systemic examination	systemic examination	Reception, Sampling Techniques & Phlebotomy, Routine Hematology, Preparation of Blood Smear and Retics, Quality Control	Interview with the patient Theoretical aspect of schizophrenia	Fluoroscopic procedures & Ba studies.	Breast Examination	Insertion of Foley's catheter Nasogastric tube • counsel a patient with febrile illness
WEEK 12	MONDAY	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea	local examination	local examination	local examination	local examination	local examination	Coagulation Studies, Bone Marrow, Hb Studies, Coomb's Test.	Interview with the patient	CT scan brain: basics	Prostate Examination	• counsel a patient with stroke
	TUESDAY	GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of Oral Cavity	GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of Oral Cavity	GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of Oral Cavity	GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of Oral Cavity	GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of Oral Cavity							Interview with the patient Theoretical aspect of Substance use			

	WEDNESDAY	Inspection of abdomen, Superficial Palpation of Abdomen	Inspection of abdomen, Superficial Palpation of Abdomen	Inspection of abdomen, Superficial Palpation of Abdomen	Inspection of abdomen, Superficial Palpation of Abdomen	Inspection of abdomen, Superficial Palpation of Abdomen	basic physical signs in detail	basic physical signs in detail	basic physical signs in detail	basic physical signs in detail	basic physical signs in detail	Grouping, Cross Matching	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed
	THURSDAY	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	history & examination of lump	history & examination of lump	history & examination of lump	history & examination of lump	history & examination of lump	Ward test	Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback	Ward assessment(film based)		• counsel a patient with obstructive lung disease
WEEK 13	MONDAY	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	history & examination of lump	history & examination of lump	history & examination of lump	history & examination of lump	history & examination of lump	Introductory round of laboratory & benches, Working of Autoclave, & Guidelines of Microbiological specimen collection & transport	History Taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections I/M, I/V, Intradermal, subcutaneous, I/V Cannulation, Arterial Tap	• Introduction to ER services regarding triage system. • History taking • Monitoring of vitals
	TUESDAY	GIT System Test ODD Roll Numbers	GIT System Test ODD Roll Numbers	GIT System Test ODD Roll Numbers	GIT System Test ODD Roll Numbers	GIT System Test ODD Roll Numbers	history & examination of ulcer	history & examination of ulcer	history & examination of ulcer	history & examination of ulcer	history & examination of ulcer	Culture media (Inoculated & Uninoculated), Antibiotic sensitivity testing, Orientation to Serology & PCR.	Demonstration of History taking and MSE	Chest x ray pathology	Naogastric Intubation	Introduction to medico-legal cases and maintenance of record. Observation of IV cannulas IM injections
	WEDNESDAY	GIT SystemS Test Even Roll Numbers	GIT SystemS Test Even Roll Numbers	GIT SystemS Test Even Roll Numbers	GIT SystemS Test Even Roll Numbers	GIT SystemS Test Even Roll Numbers	history & examination of Sinus/fistula	history & examination of Sinus/fistula	history & examination of Sinus/fistula	history & examination of Sinus/fistula	history & examination of Sinus/fistula	Performance & interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.	Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Nebulization
	THURSDAY	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	history & examination of skin	history & examination of skin	history & examination of skin	history & examination of skin	history & examination of skin	Urine & Stool Examination, Examination of CSF & Body Fluids	Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy	Insertion of folleys catheter Naogastric tube
	MONDAY	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	B2 Reception, Sampling Techniques & Phlebotomy, Routine Hematology, Preparation of Blood Smear and Retic, Quality Control	B1 Interview with the patient Theoretical aspect of schizophrenia	B5 Fluoroscopic procedures & Ba studies.	B4 Breast Examination	B3 • counsel a patient with febrile illness

WEEK 14	TUESDAY	GPE: Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	GPE: Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	GPE: Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	GPE: Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	GPE: Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	Coagulation Studies, Bone Marrow, Hb Studies, Coomb's Test.	Presentation of cases histories of Substance use Interview with the patient Theoretical aspect of Substance use	CT scan brain: basics	Prostate Examination	• counsel a patient with stroke
	WEDNESDAY	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	Grouping, Cross Matching	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed
	THURSDAY	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	Ward test	Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback	Ward assessment(film based)	Test
WEEK 15	MONDAY	Percussion and auscultation of back of chest	Percussion and auscultation of back of chest	Percussion and auscultation of back of chest	Percussion and auscultation of back of chest	Percussion and auscultation of back of chest	history & examination of Mouth & tongue Salivary Gland	history & examination of Mouth & tongue Salivary Gland	history & examination of Mouth & tongue Salivary Gland	history & examination of Mouth & tongue Salivary Gland	history & examination of Mouth & tongue Salivary Gland	Introductory round of laboratory & benches, Working of Autoclave, & Guidelines of Microbiological specimen collection & transport	History Taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections IM, IV, Intradermal, subcutaneous, I/V Cannulation, Arterial Tap	• Introduction to ER services regarding triage system. • History taking • Monitoring of vitals
	TUESDAY	Resp., System (Even Roll Numbers)	Resp., System (Even Roll Numbers)	Resp., System (Even Roll Numbers)	Resp., System (Even Roll Numbers)	Resp., System (Even Roll Numbers)	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	Culture media (Inoculated & Uninoculated), Antibiotic sensitivity testing, Orientation to Serology & PCR.	Demonstration of History taking and MSE	Chest x ray pathology	Nasogastric Intubation	Introduction to medicolegal cases and maintenance of record. Observation of IV cannulas IM injections
	WEDNESDAY	Resp. System (Odd Roll Numbers)	Resp. System (Odd Roll Numbers)	Resp. System (Odd Roll Numbers)	Resp. System (Odd Roll Numbers)	Resp. System (Odd Roll Numbers)	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	Performance & Interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.	Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Nebulization
	THURSDAY	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur	history & examination of Acute Abdomen	history & examination of Acute Abdomen	history & examination of Acute Abdomen	history & examination of Acute Abdomen	history & examination of Acute Abdomen	Urine & Stool Examination, Examination of CSF & Body Fluids	Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy
MONDAY	CVS Examination GPE, JVP, Oedema, Clubbing, Osler's Nodes, Janeway's Lesions, Splinter hemorrhages	CVS Examination GPE, JVP, Oedema, Clubbing, Osler's Nodes, Janeway's Lesions, Splinter hemorrhages	CVS Examination GPE, JVP, Oedema, Clubbing, Osler's Nodes, Janeway's Lesions, Splinter hemorrhages	CVS Examination GPE, JVP, Oedema, Clubbing, Osler's Nodes, Janeway's Lesions, Splinter hemorrhages	CVS Examination GPE, JVP, Oedema, Clubbing, Osler's Nodes, Janeway's Lesions, Splinter hemorrhages	CVS Examination GPE, JVP, Oedema, Clubbing, Osler's Nodes, Janeway's Lesions, Splinter hemorrhages	history & examination of Chronic Abdomen	history & examination of Chronic Abdomen	history & examination of Chronic Abdomen	history & examination of Chronic Abdomen	history & examination of Chronic Abdomen	Reception, Sampling Techniques & sibiotomy, Routine Hematology, Preparation of Blood Smear and Retic, Quality Control	Interview with the patient Theoretical aspect of schizophrenia	Fluoroscopic procedures & Ba studies.	Breast Examination	• counsel a patient with febrile illness

WEEK 16	TUESDAY	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	history & examination of Abdomenal Mass	history & examination of Abdomenal Mass	history & examination of Abdomenal Mass	history & examination of Abdomenal Mass	history & examination of Abdomenal Mass	Coagulation Studies, Bone Marrow, Hb Studies, Coomb's Test.	Presentation of cases histories of Substance use Interview with the patient Theoretical aspect of Substance use	CT scan brain: basics	Prostate Examination	• counsel a patient with stroke
	WEDNESDAY	Examination of Pulse	Examination of Pulse	Examination of Pulse	Examination of Pulse	Examination of Pulse	history & examination of bleeding per rectum	history & examination of bleeding per rectum	history & examination of bleeding per rectum	history & examination of bleeding per rectum	history & examination of bleeding per rectum	Grouping, Cross Matching	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed
	THURSDAY	JVP	JVP	JVP	JVP	JVP	history & examination of hernia	history & examination of hernia	history & examination of hernia	history & examination of hernia	history & examination of hernia	Ward test	Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback	Ward assessment(film based)	Test	• counsel a patient with obstructive lung disease
WEEK 17	MONDAY	1.Auscultation of heart 1. Normal heart sound 2. Effect of respiration on heart sound 3. Murmurs and Thrills	1.Auscultation of heart 1. Normal heart sound 2. Effect of respiration on heart sound 3. Murmurs and Thrills	1.Auscultation of heart 1. Normal heart sound 2. Effect of respiration on heart sound 3. Murmurs and Thrills	1.Auscultation of heart 1. Normal heart sound 2. Effect of respiration on heart sound 3. Murmurs and Thrills	1.Auscultation of heart 1. Normal heart sound 2. Effect of respiration on heart sound 3. Murmurs and Thrills	history & examination of hernia	history & examination of hernia	history & examination of hernia	history & examination of hernia	history & examination of hernia	Introductory round of laboratory & benches. Working of Autoclave. & Guidelines of Microbiological specimen collection & transport	History taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections I/M, I/V, Intradermal, subcutaneous, IV Cannulation, Arterial Tap	• Introduction to ER services regarding triage system. • History taking • Monitoring of vitals
	TUESDAY	CVS Test Even Roll Number	CVS Test Even Roll Number	CVS Test Even Roll Number	CVS Test Even Roll Number	CVS Test Even Roll Number	history & examination of inguino-scrotal swelling	history & examination of inguino-scrotal swelling	history & examination of inguino-scrotal swelling	history & examination of inguino-scrotal swelling	history & examination of inguino-scrotal swelling	Culture media (Inoculated & Uninoculated). Antibiotic sensitivity testing. Orientation to Serology & PCR.	Demonstration of History taking and MSE	Chest x ray pathology	Nasogastric Intubation	Introduction to medicolegal cases and maintenance of record. Observation of IV cannulas IM injections
	WEDNESDAY	CVS Test Odd Roll Number	CVS Test Odd Roll Number	CVS Test Odd Roll Number	CVS Test Odd Roll Number	CVS Test Odd Roll Number	urinogenital system	urinogenital system	urinogenital system	urinogenital system	urinogenital system	Performance & interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.	Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Nebulization
	THURSDAY	NERVOUS SYSTEM : Conscious level.	NERVOUS SYSTEM : Conscious level.	NERVOUS SYSTEM : Conscious	NERVOUS SYSTEM : Conscious	NERVOUS SYSTEM : Conscious	Peripheral vascular system	Peripheral vascular system	Peripheral vascular system	Peripheral vascular system	Peripheral vascular system	Urine & Stool Examination, Examination of Reception, Sampling	Interview with the patient Theoretical Interview with the patient	Plain x ray abdomen & KUB Fluoroscopic procedures & CT scan brain:	Endotracheal intubation & tracheostomy Breast Examination	Insertion of folleys catheter Nasogastric tube
TUESDAY	Headaches ,Numbness,	Headaches ,Numbness,	Headaches ,Numbness,	Headaches ,Numbness,	Headaches ,Numbness,	Venous Problems	Venous Problems	Venous Problems	Venous Problems	Venous Problems	Coagulation Studies, Bone Marrow, Hb Studies, Coomb's Test.	Presentation of cases histories of Substance use Interview with the patient Theoretical aspect of Substance use	CT scan brain: basics	Prostate Examination	• counsel a patient with stroke	
	Cranial nerves. 1 to 6	Cranial nerves. 1 to 6	Cranial nerves. 1 to 6	Cranial nerves. 1 to 6	Cranial nerves. 1 to 6	lymphatic system	lymphatic system	lymphatic system	lymphatic system	lymphatic system						• counsel a patient with stroke

WEEK 18	WEDNESDAY	Cranial nerves. 7 to 12	Cranial nerves. 7 to 12	Cranial nerves. 7 to 12	Cranial nerves. 7 to 12	Cranial nerves. 7 to 12	peripheral nerves	peripheral nerves	peripheral nerves	peripheral nerves	peripheral nerves	peripheral nerves	Grouping, Cross Matching	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed
	THURSDAY	Examination of motor system (bulk, tone, power/ Reflexes.	Examination of motor system (bulk, tone, power/ Reflexes.	Examination of motor system (bulk, tone, power/ Reflexes.	Examination of motor system (bulk, tone, power/ Reflexes.	Examination of motor system (bulk, tone, power/ Reflexes.	patient with head injuries	patient with head injuries	patient with head injuries	patient with head injuries	patient with head injuries	Ward test	Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback	Ward assessment(film based)	Test	• counsel a patient with obstructive lung disease	
WEEK 19	MONDAY	Examination of sensory system	Examination of sensory system	Examination of sensory system	Examination of sensory system	Examination of sensory system	bone lesions & injuries	bone lesions & injuries	bone lesions & injuries	bone lesions & injuries	bone lesions & injuries	bone lesions & injuries	Introductory round of laboratory & benches. Working of Autoclave, & Guidelines of Microbiological specimen collection & transport	History Taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections I/M, I/V, Intradermal, subcutaneous, I/V Cannulation, Arterial Tap	• Introduction to ER services regarding triage system. • History taking • Monitoring of vitals
	TUESDAY	Examination of Cerebellar System/ Gait	Examination of Cerebellar System/ Gait	Examination of Cerebellar System/ Gait	Examination of Cerebellar System/ Gait	Examination of Cerebellar System/ Gait	Joint problems & injuries	Joint problems & injuries	Joint problems & injuries	Joint problems & injuries	Joint problems & injuries	Joint problems & injuries	Culture media (Inoculated & Uninoculated). Antibiotic sensitivity testing. Orientation to Serology & PCR.	Demonstration of History taking and MSE	Chest x ray pathology	Nasogastric Intubation	Introduction to medicolegal cases and maintenance of record. Observation of IV cannulas IM injections
	WEDNESDAY	CNS Test ODD Roll Numbers	CNS Test ODD Roll Numbers	CNS Test ODD Roll Numbers	CNS Test ODD Roll Numbers	CNS Test ODD Roll Numbers	Individual joints	Individual joints	Individual joints	Individual joints	Individual joints	Individual joints	Performance & interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.	Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Nebulization
	THURSDAY	CNS Test Even Roll Numbers	CNS Test Even Roll Numbers	CNS Test Even Roll Numbers	CNS Test Even Roll Numbers	CNS Test Even Roll Numbers	Management of pneumothorax	Management of pneumothorax	Management of pneumothorax	Management of pneumothorax	Management of pneumothorax	Management of pneumothorax	Urine & Stool Examination, Examination of CSF & Body Fluids	Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy	Inertion of Foley's catheter Nasogastric tube
WEEK 20	MONDAY	Revision	Revision	Revision	Revision	Revision	trauma primary care	trauma primary care	trauma primary care	trauma primary care	trauma primary care	trauma primary care	B5 Reception, Sampling Techniques & Phlebotomy, Routine Hematology, Preparation of Blood Smear and Retics, Quality Control	B4 Interview with the patient Theoretical aspect of schizophrenia	B3 Fluoroscopic procedures & Ba studies.	B2 Breast Examination	B1 • counsel a patient with febrile illness
	TUESDAY	Final Test ODD Roll Numbers	Final Test ODD Roll Numbers	Final Test ODD Roll Numbers	Final Test ODD Roll Numbers	Final Test ODD Roll Numbers	trauma secondary care	trauma secondary care	trauma secondary care	trauma secondary care	trauma secondary care	trauma secondary care	Coagulation Studies, Bone Marrow, Hb Studies, Coomb's Test.	Presentation of cases histories of Substance use Interview with the patient Theoretical aspect of Substance use	CT scan brain: basics	Prostate Examination	• counsel a patient with stroke

WEEK 21	WEDNESDAY	Final Test Even Roll Numbers	Final Test Even Roll Numbers	Final Test Even Roll Numbers	Final Test Even Roll Numbers	Final Test Even Roll Numbers	managemnet of limb fracture	managemnet of limb fracture	managemnet of limb fracture	managemnet of limb fracture	managemnet of limb fracture	Grouping, Cross Matching	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed
	THURSDAY	MCQs	MCQs	MCQs	MCQs	MCQs	TEST	TEST	TEST	TEST	TEST	Ward test	Evaluation (OCSE + case	Ward assessment(film	Test	• counsel a patient with
	4/8/2019 TO 10/8/2019 S.V	B1	B2	B3	B4	B5	C5	C4	C3	C2	C1					
	MONDAY	General introduction to the field of medicine. Medical ethics	General introduction to the field of medicine. Medical ethics	General introduction to the field of medicine. Medical ethics	General introduction to the field of medicine. Medical ethics	General introduction to the field of medicine. Medical ethics	introduction & bed side manners	introduction & bed side manners	introduction & bed side manners	introduction & bed side manners	introduction & bed side manners	Introductory round of laboratory & benches. Working of Autoclave, & Guidelines of Microbiological specimen collection & transport	History Taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections I/M, I/V, Intradermal, Cannulation, Arterial Tap	• Introduction to ER services regarding triage system. • History taking • Monitoring of vitals
	TUESDAY	Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness.	Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness.	Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness.	Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness.	Art of History, Taking, Importance of history, Contents of history, Presenting Complaint History of Present illness.	art of history taking	art of history taking	art of history taking	art of history taking	art of history taking	Culture media (Inoculated & Uninoculated). Antibiotic sensitivity testing. Orientation to Serology & PCR.	Demonstration of History taking and MSE	Chest x ray pathology	Nasogastric Intubation	Introduction to medicolegal cases and maintenance of record. Observation of IV cannulas IM injections
WEDNESDAY	Systemic Inquiry, Past Medical History	Systemic Inquiry, Past Medical History	Systemic Inquiry, Past Medical History	Systemic Inquiry, Past Medical History	Systemic Inquiry, Past Medical History	systemic history	systemic history	systemic history	systemic history	systemic history	Performance & interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.	Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Nebulization	
THURSDAY	Family History, Occupational History, Personal History +Developmental+Obstetrics History.	Family History, Occupational History, Personal History +Developmental+Obstetrics History.	Family History, Occupational History, Personal History +Developmental+Obstetrics History.	Family History, Occupational History, Personal History +Developmental+Obstetrics History.	Family History, Occupational History, Personal History +Developmental+Obstetrics History.	GPE	GPE	GPE	GPE	GPE	Urine & Stool Examination, Examination of CSF & Body Fluids	Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy	Insertion of folleys catheter Nasogastric tube • counsel a patient with febrile illness	
MONDAY	General physical examination. Pulse, BP, Temp, Resp Rate	General physical examination. Pulse, BP, Temp, Resp Rate	General physical examination. Pulse, BP, Temp, Resp Rate	General physical examination. Pulse, BP, Temp, Resp Rate	General physical examination. Pulse, BP, Temp, Resp Rate	systemic examination	systemic examination	systemic examination	systemic examination	systemic examination	Reception, Sampling Techniques & Phlebotomy, Routine Hematology, Preparation of Blood Smear and Retics, Quality Control	Interview with the patient Theoretical aspect of schizophrenia	Fluoroscopic procedures & Ba studies.	Breast Examination	A2	

WEEK 22	TUESDAY	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of Oral Cavit	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of Oral Cavit	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of Oral Cavit	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of Oral Cavit	GIT System Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of Oral Cavit	local examination	local examination	local examination	local examination	local examination	Coagulation Studies, Bone Marrow, Hb Studies, Coomb's Test.			CT scan brain: basics	Prostate Examination	• counsel a patient with stroke
	WEDNESDAY	Inspection of abdomen, Superficial Palpation of Abdomen	Inspection of abdomen, Superficial Palpation of Abdomen	Inspection of abdomen, Superficial Palpation of Abdomen	Inspection of abdomen, Superficial Palpation of Abdomen	Inspection of abdomen, Superficial Palpation of Abdomen	basic physical signs in detail	basic physical signs in detail	basic physical signs in detail	basic physical signs in detail	basic physical signs in detail	Grouping, Cross Matching	Presentation of cases histories of Substance use Interview with the patient Theoretical aspect of Substance use	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed
	THURSDAY	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	Palpation of Liver, Spleen, Kidneys, Pelvic Masses	history & examination of lump	history & examination of lump	history & examination of lump	history & examination of lump	history & examination of lump	Ward test	Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback	Ward assessment(film based)		Test
WEEK 23	MONDAY	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	Percussion of Abdominal Viscera, Fluid Thrill, Shifting Dullness, Auscultation of abdomen	history & examination of lump	history & examination of lump	history & examination of lump	history & examination of lump	history & examination of lump	Introductory round of laboratory & benches. Working of Autoclave. & Guidelines of Microbiological specimen collection & transport	History Taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections I/M, I/V, Intradermal, subcutaneous, I/V Cannulation, Arterial Tap		• Introduction to ER services regarding triage system. • History taking • Monitoring of vitals
	TUESDAY	GIT System Test ODD Roll Numbers	GIT System Test ODD Roll Numbers	GIT System Test ODD Roll Numbers	GIT System Test ODD Roll Numbers	GIT System Test ODD Roll Numbers	history & examination of ulcer	history & examination of ulcer	history & examination of ulcer	history & examination of ulcer	history & examination of ulcer	Culture media (Inoculated & Uninoculated), Antibiotic sensitivity testing, Orientation to Serology & PCR.	Demonstration of History taking and MSE	Chest x ray pathology	Nasogastric Intubation	Introduction to medicolegal cases and maintenance of record. Observation of IV cannulas IM injections	
	WEDNESDAY	GIT Systems Test Even Roll Numbers	GIT Systems Test Even Roll Numbers	GIT Systems Test Even Roll Numbers	GIT Systems Test Even Roll Numbers	GIT Systems Test Even Roll Numbers	GIT Systems Test Even Roll Numbers	history & examination of Sinus/fistula	history & examination of Sinus/fistula	history & examination of Sinus/fistula	history & examination of Sinus/fistula	history & examination of Sinus/fistula	Performance & interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.	Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Neulization
	THURSDAY	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	Respiratory System Examination Systemic Inquiry, Cough, Sputum, Dyspnea + Cyanosis	history & examination of skin	history & examination of skin	history & examination of skin	history & examination of skin	history & examination of skin	Urine & Stool Examination, Examination of CSF & Body Fluids	Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy	
MONDAY	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	Hemoptysis, wheezing, pleuritic chest pain.	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	Reception, Sampling Techniques & Phlebotomy, Routine Hematology, Preparation of Blood Smear and Reflex. Quality Control	Interview with the patient Theoretical aspect of schizophernia	Fluoroscopic procedures & Ba studies.	Breast Examination	A3	• counsel a patient with febrile illness

WEEK 24	TUESDAY	GPE: Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	GPE: Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	GPE: Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	GPE: Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	GPE: Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	history & examination of Neck Swelling	Coagulation Studies, Bone Marrow, Hb Studies, Coomb's Test.	Presentation of cases histories of Substance use Interview with the patient Theoretical aspect of Substance use	Ct scan brain: basics	Prostate Examination	• counsel a patient with stroke
	WEDNESDAY	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	Grouping, Cross Matching	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed
	THURSDAY	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	Inspection of back of chest. Chest movements Percussion of back of chest and Auscultation	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	history & examination of Thyroid	Ward test	Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback	Ward assessment(film based)	Test
WEEK 25	MONDAY	Percussion and auscultation of back of chest.	Percussion and auscultation of back of chest.	Percussion and auscultation of back of chest.	Percussion and auscultation of back of chest.	Percussion and auscultation of back of chest.	history & examination of Mouth & tongue Salivary Gland	history & examination of Mouth & tongue Salivary Gland	history & examination of Mouth & tongue Salivary Gland	history & examination of Mouth & tongue Salivary Gland	history & examination of Mouth & tongue Salivary Gland	Introductory round of laboratory & benches, Working of Autoclave, & Guidelines of Microbiological specimen collection & transport	History Taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections IM, IV, Intradermal, subcutaneous, IV Cannulation, Arterial Tap	• Introduction to ER services regarding triage system. • History taking • Monitoring of vitals
	TUESDAY	Resp., System (Even Roll Numbers)	Resp., System (Even Roll Numbers)	Resp., System (Even Roll Numbers)	Resp., System (Even Roll Numbers)	Resp., System (Even Roll Numbers)	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	Culture media (Inoculated & Uninoculated), Antibiotic sensitivity testing, Orientation to Serology & PCR.	Demonstration of History taking and MSE	Chest x ray pathology	Nasogastric Intubation	Introduction to medicolegal cases and maintenance of record. Observation of IV cannulas IM injections
	WEDNESDAY	Resp. System (Odd Roll Numbers)	Resp. System (Odd Roll Numbers)	Resp. System (Odd Roll Numbers)	Resp. System (Odd Roll Numbers)	Resp. System (Odd Roll Numbers)	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	history & examination of Breast & Axillary lymph nodes	Performance & Interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.	Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Nebulization
	THURSDAY	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur.	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur.	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur.	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur.	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur.	CVS Examination Systemic Inquiry Precordial Chest Pain, Palpitation, Patient with murmur.	history & examination of Acute Abdomen	history & examination of Acute Abdomen	history & examination of Acute Abdomen	history & examination of Acute Abdomen	history & examination of Acute Abdomen	Urine & Stool Examination, Examination of CSF & Body Fluids	Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy
MONDAY	CVS Examination GPE, JVP, Oedema, Clubbing, Osler's Nodes, Janeway's Lesions, Splinter hemorrhages.	CVS Examination GPE, JVP, Oedema, Clubbing, Osler's Nodes, Janeway's Lesions, Splinter hemorrhages.	CVS Examination GPE, JVP, Oedema, Clubbing, Osler's Nodes, Janeway's Lesions, Splinter hemorrhages.	CVS Examination GPE, JVP, Oedema, Clubbing, Osler's Nodes, Janeway's Lesions, Splinter hemorrhages.	CVS Examination GPE, JVP, Oedema, Clubbing, Osler's Nodes, Janeway's Lesions, Splinter hemorrhages.	CVS Examination GPE, JVP, Oedema, Clubbing, Osler's Nodes, Janeway's Lesions, Splinter hemorrhages.	history & examination of Chronic Abdomen	history & examination of Chronic Abdomen	history & examination of Chronic Abdomen	history & examination of Chronic Abdomen	history & examination of Chronic Abdomen	Reception, Sampling Techniques & hiebotomy, Routine Hematology, Preparation of Blood Smear and Retic, Quality Control	Interview with the patient Theoretical aspect of schizophrenia	Fluoroscopic procedures & Ba studies.	Breast Examination	

CVS & RESPIRATION

WEEK 26	TUESDAY	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	history & examination of Abdomenal Mass	history & examination of Abdomenal Mass	history & examination of Abdomenal Mass	history & examination of Abdomenal Mass	history & examination of Abdomenal Mass	Coagulation Studies, Bone Marrow, Iib Studies, Coomb's Test.	Presentation of cases histories of Substance use Interview with the patient Theoretical aspect of Substance use	CT scan brain: basics	Prostate Examination	• counsel a patient with stroke
	WEDNESDAY	Examination of Pulse	Examination of Pulse	Examination of Pulse	Examination of Pulse	Examination of Pulse	history & examination of bleeding per rectum	history & examination of bleeding per rectum	history & examination of bleeding per rectum	history & examination of bleeding per rectum	history & examination of bleeding per rectum	Grouping, Cross Matching	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed
	THURSDAY	JVP	JVP	JVP	JVP	JVP	history & examination of hernia	history & examination of hernia	history & examination of hernia	history & examination of hernia	history & examination of hernia	Ward test	Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback	Ward assessment(film based)	Test	• counsel a patient with obstructive lung disease
WEEK 27	MONDAY	1.Auscultation of heart 1. Normal heart sound 2. Effect of respiration on heart sound 3. Murmurs and Thrills	1.Auscultation of heart 1. Normal heart sound 2. Effect of respiration on heart sound 3. Murmurs and Thrills	1.Auscultation of heart 1. Normal heart sound 2. Effect of respiration on heart sound 3. Murmurs and Thrills	1.Auscultation of heart 1. Normal heart sound 2. Effect of respiration on heart sound 3. Murmurs and Thrills	1.Auscultation of heart 1. Normal heart sound 2. Effect of respiration on heart sound 3. Murmurs and Thrills	history & examination of hernia	history & examination of hernia	history & examination of hernia	history & examination of hernia	history & examination of hernia	Introductory round of laboratory & benches. Working of Autoclave. & Guidelines of Microbiological specimen collection & transport	History taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections I/M, I/V, Intradermal, subcutaneous, IV Cannulation, Arterial Tap	• Introduction to ER services regarding triage system. • History taking • Monitoring of vitals
	TUESDAY	CVS Test Even Roll Number	CVS Test Even Roll Number	CVS Test Even Roll Number	CVS Test Even Roll Number	CVS Test Even Roll Number	history & examination of inguino-scrotal swelling	history & examination of inguino-scrotal swelling	history & examination of inguino-scrotal swelling	history & examination of inguino-scrotal swelling	history & examination of inguino-scrotal swelling	Culture media (Inoculated & Uninoculated). Antibiotic sensitivity testing. Orientation to Serology & PCR.	Demonstration of History taking and MSE	Chest x ray pathology	Nasogastric Intubation	Introduction to medicolegal cases and maintenance of record. Observation of IV cannulas IM injections
	WEDNESDAY	CVS Test Odd Roll Number	CVS Test Odd Roll Number	CVS Test Odd Roll Number	CVS Test Odd Roll Number	CVS Test Odd Roll Number	urino-genital system	urino-genital system	urino-genital system	urino-genital system	urino-genital system	Performance & interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.	Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	• Setting of IV drips Nebulization
	THURSDAY	NERVOUS SYSTEM : Conscious level, HMF, orientation, speech, memory, intellect, sleep	NERVOUS SYSTEM : Conscious level, HMF, orientation, speech, memory, intellect, sleep	NERVOUS SYSTEM : Conscious level, HMF, orientation, speech, memory, intellect, sleep	NERVOUS SYSTEM : Conscious level, HMF, orientation, speech, memory, intellect, sleep	NERVOUS SYSTEM : Conscious level, HMF, orientation, speech, memory, intellect, sleep	Peripheral vascular system	Peripheral vascular system	Peripheral vascular system	Peripheral vascular system	Peripheral vascular system	Urine & Stool Examination, Examination of CSF & Body Fluids	Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy	Insertion of folleys catheter Nasogastric tube
MONDAY	Headaches ,Numbness, Paresthasia, weakness patterns	Headaches ,Numbness, Paresthasia, weakness patterns	Headaches ,Numbness, Paresthasia, weakness patterns	Headaches ,Numbness, Paresthasia, weakness patterns	Headaches ,Numbness, Paresthasia, weakness patterns	Venous Problems	Venous Problems	Venous Problems	Venous Problems	Venous Problems	Reception, Sampling Techniques & Phlebotomy, Routine Hematology, Preparation of Blood Smear and Retics, Quality Control	Interview with the patient Theoretical aspect of schizophrenia	Fluoroscopic procedures & Ba studies.	Breast Examination	• counsel a patient with febrile illness	

A4

A3

A2

A1

A5

WEEK 28	TUESDAY	Cranial nerves. 1 to 6	Cranial nerves. 1 to 6	Cranial nerves. 1 to 6	Cranial nerves. 1 to 6	Cranial nerves. 1 to 6	lymphatic system	lymphatic system	lymphatic system	lymphatic system	lymphatic system	Coagulation Studies, Bone Marrow, Hb Studies, Coomb's Test.	Presentation of cases histories of Substance use Interview with the patient Theoretical aspect of Substance use	CT scan brain: basics	Prostate Examination	• counsel a patient with stroke
	WEDNESDAY	Cranial nerves. 7 to 12	Cranial nerves. 7 to 12	Cranial nerves. 7 to 12	Cranial nerves. 7 to 12	Cranial nerves. 7 to 12	peripheral nerves	peripheral nerves	peripheral nerves	peripheral nerves	peripheral nerves	Grouping, Cross Matching	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	• counsel a patient with upper GI bleed
	THURSDAY	Examination of motor system (bulk, tone, power/ Reflexes.	Examination of motor system (bulk, tone, power/ Reflexes.	Examination of motor system (bulk, tone, power/ Reflexes.	Examination of motor system (bulk, tone, power/ Reflexes.	Examination of motor system (bulk, tone, power/ Reflexes.	patient with head injuries	patient with head injuries	patient with head injuries	patient with head injuries	patient with head injuries	Ward test	Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback	Ward assessment(film based)	Test	• counsel a patient with obstructive lung disease

WEEK 29	MONDAY	Examination of sensory system	Examination of sensory system	Examination of sensory system	Examination of sensory system	Examination of sensory system	bone lesions & injuries	bone lesions & injuries	bone lesions & injuries	bone lesions & injuries	bone lesions & injuries	<p>Introductory round of laboratory & benches, Working of Autoclave, & Guidelines of Microbiological specimen collection & transport</p> <p>Culture media (Inoculated & Uninoculated), Antibiotic sensitivity testing, Orientation to Serology & PCR.</p> <p>Performance & interpretation of Gram & ZN staining, Catalase, Coagulase & Oxidase Tests.</p> <p>Urine & Stool Examination, Examination of CSF & Body Fluids</p>	History Taking Allotment of Cases and Groups	Chest x ray anatomy	Use of Injections IM, I.V, Intradermal, subcutaneous, IV Cannulation, Arterial Tap	<ul style="list-style-type: none"> - Introduction to EIT services regarding triage system. - History taking - Monitoring of vitals 				
	TUESDAY	Examination of Cerebellar System/ Gait	Examination of Cerebellar System/ Gait	Examination of Cerebellar System/ Gait	Examination of Cerebellar System/ Gait	Examination of Cerebellar System/ Gait	Joint problems & injuries	Joint problems & injuries	Joint problems & injuries	Joint problems & injuries	Joint problems & injuries						Demonstration of History taking and MSE	Chest x ray pathology	Nasogastric Intubation	<ul style="list-style-type: none"> Introduction to medicolegal cases and maintenance of record. Observation of IV cannulas IM injections
	WEDNESDAY	CNS Test ODD Roll Numbers	CNS Test ODD Roll Numbers	CNS Test ODD Roll Numbers	CNS Test ODD Roll Numbers	CNS Test ODD Roll Numbers	individual joints	individual joints	individual joints	individual joints	individual joints						Interview with the patient Theoretical aspect of depression	Bones & joints with fractures	Male & Female catheterization(urine)	<ul style="list-style-type: none"> - Setting of IV drips Nebulization
	THURSDAY	CNS Test Even Roll Numbers	CNS Test Even Roll Numbers	CNS Test Even Roll Numbers	CNS Test Even Roll Numbers	CNS Test Even Roll Numbers	Management of pneumothorax	Management of pneumothorax	Management of pneumothorax	Management of pneumothorax	Management of pneumothorax						Interview with the patient Theoretical aspect of Dissociation	Plain x ray abdomen & KUB	Endotracheal intubation & tracheostomy	<ul style="list-style-type: none"> Insertion of Foley's catheter Nasogastric tube
WEEK 30	MONDAY	Revision	Revision	Revision	Revision	Revision	trauma primary care	trauma primary care	trauma primary care	trauma primary care	trauma primary care	<p>Reception, Sampling Techniques & Phlebotomy, Routine Hematology, Preparation of Blood Smear and Retic, Quality Control</p> <p>Coagulation Studies, Bone Marrow, Hb Studies, Coomb's Test.</p> <p>Grouping, Cross Matching</p> <p>Ward test</p>	<p>Interview with the patient</p> <p>Theoretical aspect of schizophrenia</p> <p>Presentation of cases histories of Substance use</p> <p>Interview with the patient Theoretical aspect of Substance use</p> <p>Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects</p> <p>Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback</p>	<p>Fluoroscopic procedures & Ba studies.</p> <p>CT scan brain: basics</p> <p>Basics of ultrasound and observation</p> <p>Ward assessment(film based)</p>	<p>Breast Examination</p> <p>Prostate Examination</p> <p>revision</p> <p>Test</p>	<ul style="list-style-type: none"> • counsel a patient with febrile illness • counsel a patient with stroke • counsel a patient with upper GI bleed • counsel a patient with obstructive lung disease 				
	TUESDAY	Final Test ODD Roll Numbers	Final Test ODD Roll Numbers	Final Test ODD Roll Numbers	Final Test ODD Roll Numbers	Final Test ODD Roll Numbers	trauma secondary care	trauma secondary care	trauma secondary care	trauma secondary care	trauma secondary care						Interview with the patient Theoretical aspect of Substance use	CT scan brain: basics	Prostate Examination	<ul style="list-style-type: none"> • counsel a patient with stroke
	WEDNESDAY	Final Test Even Roll Numbers	Final Test Even Roll Numbers	Final Test Even Roll Numbers	Final Test Even Roll Numbers	Final Test Even Roll Numbers	managemnet of limb fracture	managemnet of limb fracture	managemnet of limb fracture	managemnet of limb fracture	managemnet of limb fracture						Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects	Basics of ultrasound and observation	revision	<ul style="list-style-type: none"> • counsel a patient with upper GI bleed
	THURSDAY	MCQs	MCQs	MCQs	MCQs	MCQs	TEST	TEST	TEST	TEST	TEST						Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback	Ward assessment(film based)	Test	<ul style="list-style-type: none"> • counsel a patient with obstructive lung disease

Note :- For Psychiatry to BBH and Radiology to HFH, Skill Lab & E.R (i) Half batch Skill Lab (ii) Half batch E.R alternative

Vice Chancellor
Rawalpindi Medical University
Rawalpindi

No./T-9 _____ RMU/NTB/ Dated: _____ 2018.

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concerned
department and
official.

TIME TABLE 3rd YEAR MBBS CLASS MBBS (SESSION 2016-2017)

Start w.e.f From 05-11-2018 ENDING 10-08-2019

ACTIVITY	CLASS ROLL NO	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
INTERACTIVE TEACHING PROBLEM BASE LEARNING		8:00am to 9:00 am	8:00am to 9:00 am	8:00am to 9:00 am	8:00am to 9:00 am		
WARDS		9:00am to 11:00 am	9:00am to 11:00 am	9:00am to 11:00 am	9:00am to 11:00 am		
LECTURES							
MEDICINE	ODD					8:00 am to 8:45 am	8:00 am to 8:45 am
MEDICAL SPECIALTY	EVEN					8:00 am to 8:45 am	8:00 am to 8:45 am
SURGERY	ODD					8:45 am to 9:30 am	8:45 am to 9:30 am
SURGICAL SPECIATLY	EVEN					8:45 am to 9:30 am	8:45 am to 9:30 am
PHARMACOLOGY	ODD	11:00am to 12:00pm	11:00am to 12:00pm	11:00am to 12:00pm	11:00am to 12:00pm	9:30am to 10:15am	9:30am to 10:30am
PHARMACOLOGY	EVEN	11:00am to 12:00pm	11:00am to 12:00pm	11:00am to 12:00pm	11:00am to 12:00pm	9:30am to 10:15am	9:30am to 10:30am
							Break 10:30am to 11:00am
FORENSIC MEDICINE	ODD					10:15am to 11:00am	12:00 to 1:00pm
FORENSIC MEDICINE	EVEN					10:15am to 11:00am	12:00 to 1:00pm
PATHOLOGY	ODD				12:00 pm to 1:00pm 1:00pm to 2pm	11:00am to 12:00pm	11:00 pm to 12:00pm 1:00pm to 2pm
PATHOLOGY	EVEN				12:00 pm to 1:00pm 1:00pm to 2pm	11:00am to 12:00pm	11:00 pm to 12:00pm 1:00pm to 2pm
PRACTICAL		12:00 to 2:00pm	12:0 to 2:00pm	12:00 to 2:00pm			
PHARMACOLOGY		Batch - A	Batch - B	Batch -C			
FORENSIC MEDICINE		Batch - B	Batch - C	Batch - A			
PATHOLOGY		Batch - C	Batch -A	Batch - B			

Note:

- Interactive PBL will be held in respective wards. Department of Medical Education in RMU, NTB will coordinate.

Monday to Thursday
: **Odd Roll** No. Section 1
Even Roll No. Section 2
Demonstration Hall No. 2

Friday to Saturday
: **Odd Roll** No. Section 1
Even Roll No. Section 2
Lecture Hall
No. 1
Lecture Hall No. 2

No T-9/ _____RMU, RWP. Dated _____/2018.
Copy to all Concerned Departments

Annexure 2 c

**MEDICINE CLINICAL ROTATIONS
THIRD YEAR MBBS 2024**

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Pyscomotor		Attitude		MOT/MIT	MOA
				Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2		
1st WEEK															
1	MONDAY	INTRODUCTION	General introduction to the field of medicine. Medical ethics	Student will be able to: a)Recognize importance of clinical medicine and context for theoretical learning so that one can see how learning about body system and social sciences are applied to care of patient. b)Recognize and evaluate different ethical problems including gap block, priority setting, moral dilemma and resolving conflict.Analyse different ethical problems and knows different approaches. c) Recognize importance of	Student will be able to: Take detailed history	Student will be able to: Take Consent for History								SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE,MINICEX, CBD
2	TUESDAY	HISTORY TAKING	History Taking, Importance of history, Contents of history, Presenting Complaint, History of Present illness	Student will be able to: Demonstrate art of history taking including all components of history, Presenting complaint, History of presenting illness indetail and in chronological order.	Student will be able to: Take detailed history	Student will be able to: Take Consent for History								SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE,MINICEX, CBD
3	WEDNESDAY	HISTORY TAKING	Systemic Inquiry, Past Medical History	Students will be able to: Demonstrate systemic inquiry in detail and past medical history	Students will be able to: Take detailed history	Students will be able to: Take Consent for History								SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE,MINICEX, CBD

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Pyscomotor		Attitude		MOT/MIT	MOA
				Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2		
7	WEDNESDAY	RESPIRATORY SYSTEM	Systemic Inquiry,Cough,Sputum,Dyspnea,Cyanosis	Students will be able to: a) Recall causes of cough and how to differentiate between dry and productive cough. b) Know causes of dyspnea,grading of dyspnea and how to differentiate between dyspnea,orthopnea and PND. c) Retell causes of cyanosis and difference between central and peripheral cyanosis	Students will be able to: Take detailed history of cough,sputum,dyspnea and cyanosis and able to make differential diagnosis related to above symptoms.	Students will be able to: Take Consent for History and Clinical Examination.			✓		✓		✓	BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE,MINICEX, CBD
8	THURSDAY	RESPIRATORY SYSTEM	Hemoptysis, wheezing, pleuritic chest pain.	Students will be able to: Explain causes of hemoptysis,wheezing and pleuritic chest pain.	Students will be able to: Take detailed history of hemoptysis,heezing and chest pain and able to make differential diagnosis related to these symptoms.	Students will be able to: Take Consent for History and Clinical Examination			✓		✓		✓	BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE,MINICEX, CBD
3rd WEEK															

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Pyscomotor		Attitude		MOT/MIT	MOA
				Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2		
9	MONDAY	RESPIRATORY SYSTEM	GPE; Cyanosis, Clubbing, Pulsus paradoxus, Intercostal in drawing, Tracheal tug Palpation of trachea	Students will be able to: a)Recall causes and types of cyanosis. b)Retell causes of clubbing and its gradinding. c)Describe pulsus paradoxus,intercostal indrawing and tracheal tug and their causes. d)Describe different methods to palpate trachea and different causes of tracheal deviation.	Students will be able to: a) Take history and perform GPE relavant to respiratory system and able to pick these signs on examination. b) perform palapatation of trachea	Students will be able to: Take Consent for History and Clinical Examination			✓		✓		✓	SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE,MINICEX, CBD
10	TUESDAY	RESPIRATORY SYSTEM	Inspection of chest from front Chest movements, Percussion of front of chest and Auscultation	Students will be able to: a) know types of respiration,chest deformaties,different scar marks and their significance,different types of apex beat,causes of displaced apex beat,causes of decreased chest movements,importance of accessory muscles use in resoiration and etc etc b) able to describe abormal percussion notes and their causes c) Recall types of normal and other	Students will be able to: Take history and perform Respiratory system examination including inspection,palpation,percussion and auscultation of front of chest & relevant clinical examination according to cause	Students will be able to: Take Consent for History andClinical Examination			✓		✓		✓	SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE,MINICEX, CBD
11	WEDNESDAY	RESPIRATORY SYSTEM	Inspection of back of chest. Chest movements Percussion of back of chest	Students will be able to: a)know types of respiration,chest deformaties,different scar marks and their significance,causes of decreased chest movements,importance of	Take history and perform Respiratory system examination including inspection,palpation,percussion and	Students will be able to: Take Consent for History and Clinical Examination.			✓		✓		✓	SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE,MINICEX, CBD

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Pyscomotor		Attitude		MOT/MIT	MOA	
				Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2			
	TUESDAY	RESPIRATORY SYSTEM	ODD ROLL NO TEST												MINICEX	
15	WEDNESDAY	GIT	Systemic Inquiry Vomiting, jaundice, pain abdomen, acute and chronic diarrhea	Students will be able to: a) Recall different causes of vomiting b) Explain causes and types of jaundice c) Retell different causes of generalized and localized abdominal pain d) Recall different causes of acute and chronic diarrhea and differentiate between two on the basis of history	Students will be able to: can take detailed history of vomiting, jaundice, abdominal pain and diarrhea and able to make differential diagnosis related to these symptoms.	Students will be able to: Take Consent for History and Clinical Examination.									SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE, MINICEX, CBD

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Pyscomotor		Attitude		MOT/MIT	MOA
				Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2		
16	THURSDAY	GIT	GPE, Jaundice, Clubbing, Koilonychia, Pallor, Leuconychia, Oedema Examination of Oral Cavity	Students will be able to: a) Recall different causes of jaundice,clubbing,koilonychia,pallor,leuconychia and odema. b) retell causes of oral ulcers,macroglossia,hypertrophy of gums	Students will be able to: a) Take history and perform GPE relevant to abdominal examination and able to pick these signs on examination. b)can perform examination of oral cavity	Students will be able to: Take Consent for History and Clinical Examination.			✓		✓		✓	SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE,MINICEX, CBD
5th WEEK															
17	MONDAY	GIT	Inspection of abdomen, Superficial Palpation of Abdomen	Students will be able to: a) Recall different causes of distended abdomen,significance of prominent veins and scar marks,.Can differentiate different shapes of umbilicus and their position. b) Retell causes of abdominal tenderness	Students will be able to: Take history and perform inspection and superficial palpation of abdomen and relevant clinical examination.	Students will be able to: Take Consent for History and Clinical Examination.			✓		✓		✓	AMBULATORY TEACHING / SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE,MINICEX, CBD

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Pyscomotor		Attitude		MOT/MIT	MOA
				Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2		
22	TUESDAY	CNS	Conscious level, HMF, orientation, speech, memory, intellect, sleep	Students will be able to: a) Recall higher mental functions and Glasgow coma scale. b) differentiate between long term and short term memory c) differentiate between narcolepsy and somnolence	Students will be able to: a) Take history and perform relevant clinical examination.	Students will be able to: a) Take Consent for History and Clinical Examination			✓		✓		✓	SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE, MINICEX, CBD
23	WEDNESDAY	CNS	Headaches, Numbness, Paresthesias, weakness patterns	Students will be able to: Recall causes and types of headache, causes of numbness and paresthesias. Retell different pattern of weakness	Students will be able to: Take history and perform relevant clinical examination	Students will be able to: Take Consent for History and Clinical Examination			✓		✓		✓	SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE, MINICEX, CBD
24	THURSDAY	CNS	Cranial nerves. 1 to 6	Students will be able to: Recall anatomy and functions of cranial nerves, retell causes of lesion of cranial nerves 1 to 6	Students will be able to: Take History and perform examination of cranial nerves from 1 to 6 and able to pick abnormal findings.	Students will be able to: Take Consent for History and Clinical Examination			✓		✓		✓	SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE, MINICEX, CBD

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Pyscomotor		Attitude		MOT/MIT	MOA	
				Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2			
7th WEEK																
25	MONDAY	CNS	Cranial nerves. 7 to 12	Students will be able to: Recall anatomy and functions of cranial nerves,can retell causes of lesion of cranial nerves 7 to 12	Students will be able to: Take History and do examination of cranial nerves from 7 to 12 and can pick abnormal findings.	Students will be able to: Take Consent for History and Clinical Examination										
										✓		✓			SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE,MINICEX, CBD
26	TUESDAY	CNS	Examination of motor system (bulk, tone, power/ Reflexes.	Students will be able to: Recall motor tracts,causes of hypo and hypertrophy of muscles,grading of power,causes of hypo and hypertonia. Can differentiate between hypo and hyper reflexia and clonus	Students will be able to: Take History and perform motor system examination and able to pick abnormal findings	Students will be able to: Take Consent for History and Clinical Examination										
										✓		✓			SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE,MINICEX, CBD

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Pyscomotor		Attitude		MOT/MIT	MOA
				Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2		
31	WEDNESDAY	CVS Examination	Systemic Inquiry Pericardial Chest Pain, Palpitation, Patient with murmur.	Students will be able to: Recall causes of precordial chest pain palpitation and etiology of valvular heart diseases	Students will be able to: Take History and perform examination keeping in mind etiology and complications of disease	Students will be able to: Take Consent for History and Clinical Examination			✓		✓		✓	SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds) / LAB WORK	OSPE,MINICEX, CBD
32	THURSDAY	CVS Examination	GPE, JVP, Oedema, Clubbing Osler's Nodes, Janeway's Lesions, Splinter haemorrhages.	Students will be able to: a) Recall causes of raised JVP,clubbing,osler's nodes,janeway's lesion and splinter haemorrhages. b) Differentiate between pitting and non pitting odema and their various causes	Students will be able to: Take History and perform GPE examination relavant to Cardiovascular system and can pick these signs.	Students will be able to: Take Consent for History and Clinical Examination			✓		✓		✓	SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds) / LAB WORK	OSPE,MINICEX, CBD
9th WEEK															

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Pyscomotor		Attitude		MOT/MIT	MOA
				Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2		
33	MONDAY	CARDIOLOGY	Inspection of precordium location + palpation of apex beat. Right parasternal heave, palpation of base of heart, epigastric pulsations	Students will be able to: a) Recall causes of prominent veins on chest, can pick scar marks on precordium and know their significance. b) Retell causes of displaced apex beat, right parasternal heave and epigastric pulsations. c) Describe causes of palpable heart sounds and thrills	Students will be able to: Take History and perform inspection and palpation of precordium.	Students will be able to: Take Consent for History and Clinical Examination			✓		✓		✓	SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE, MINICEX, CBD
34	TUESDAY	CARDIOLOGY	Examination of Pulse	Students will be able to: a) Recall causes of braycardia, tachycardia, radioradi al nd radiofemoral delay. Retell causes of low, high volume pulse and irregular pulse. Differentiate between different characters of pulse.	Students will be able to: Take History and palpate all peripheral pulses and able compare them bilaterally.	Students will be able to: Take Consent for History and Clinical Examination			✓		✓		✓	SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds)	OSPE, MINICEX, CBD
35	WEDNESDAY	CVS Examination	JVP	Students will be able to: a) Recall different waves and descents of JVP and their significance. b) Retell causes of raised JVP. c) Describe hepatojuglar reflex and its significance d) Differentiate between arterial and venous pulsations in neck	Students will be able to: Take History and examine JVP and able to measure it.	Students will be able to: Take Consent for History and Clinical Examination			✓		✓		✓	SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds) / LAB WORK	OSPE, MINICEX, CBD

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Pyscomotor		Attitude		MOT/MIT	MOA	
				Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2			
36	THURSDAY	CVS Examination	1. Auscultation of heart 1. Normal heart sound 2. Effect of respiration on heart sound 3. Murmurs and Thrills	Students will be able to: a) Recall causes of loud and soft S1,S2,retell causes of S3 and S4. b) Describe normal and abnormal splitting of S2. c)Differentiate between different systolic and diastolic murmurs and thrills and describe their causes.	Students will be able to: Take History and perform auscultation of precardium	Students will be able to: Take Consent for History and Clinical Examination									SGD / BED SIDE SESSIONS (Grand Ward Rounds, Teaching Ward Rounds) / LAB WORK	OSPE,MINICEX, CBD
10th WEEK																
37	MONDAY	CVS Examination	EVEN ROLL NO TEST													MINICEX
38	TUESDAY	CVS Examination	ODD ROLL NO TEST													MINICEX

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Pyscomotor		Attitude		MOT/MIT	MOA
				Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2		
39	WEDNESDAY	REVISION													
40	THURSDAY	END BOCK EXAM													MCQs,OSPE,MI NICEX



Emergency Medicine Clerkship Programme/ Learning Objectives Of Third Year Mbbs Rmu And Allied Hospitals

A two-week clinical teaching programme that will enable students to get insight into cases that present in medical emergency, their diagnosis, management, and patient counselling.

Dr. Saima Ambreen (ASSOCIATE PROFESSOR MEDICAL UNIT-1 HOLY FAMILY HOSPITAL RWP)

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Psychomotor		Attitude		MOT/MIT	MOA
				Knowledge	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2		
1.	MONDAY	EMERGENCY MEDICINE	<p>1. Introduction to ER services regarding triage system.</p> <p>2. History taking and examination.</p> <p>3. Monitoring of vitals</p>	<p>1. Should be able to describe the components of triaging system in ER and its importance in differentiating stable vs sick patients.</p> <p>2. Should be able to describe the importance and components of vitals.</p>	<p>1. Should observe how the HCW does triaging.</p> <p>2. Students should be able to; take a quick history and perform relevant clinical examination under guidance of HCW.</p> <p>3. Student should be able to check the vitals including pulse, blood pressure, temperature, and respiratory rate with proper method.</p>	<p>Students will be able to</p> <p>Take Consent for History, Clinical Examination and Procedures</p>								SGD / BED SIDE SESSIONS	OSPE/MCQs
2.	TUESDAY	EMERGENCY MEDICINE	<p>1. Introduction to medicolegal cases and maintenance of record.</p> <p>2. Observation of IV cannulas and IM injections</p>	<p>1. Students should be able to describe the importance of record keeping and documentation.</p> <p>2. Should be able to describe indications and complications of IV and IM injections.</p>	<p>1. Students will be able to observe and assist HCW about record keeping and the importance of documentation.</p> <p>2. Student should observe and assist HCW in IV and IM canulation.</p>	<p>Students will be able to</p> <p>1. Take consent for history and examination</p> <p>2. Take consent for IM and IV injections and explain procedure to the patient.</p>								SGD / BED SIDE SESSIONS	OSPE/MCQs

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Psychomotor		Attitude		MOT/MIT	MOA
				Knowledge	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2		
3.	WEDNESDAY	EMERGENCY MEDICINE	1. Setting of IV drips 2. Nebulization	1. Should be able to describe the indications of types of IV drips and rate of setting. 2. Should be able to describe different types of drugs being used as nebulizer medications and their indications	Students will be able to: 1. Observe HCW regarding setting of IV drips 2. Observe how to set up a nebulizer	Students will be able to: 1. Counsel the patient regarding use of IV drips in a particular setting and its benefits and side effects. 2. Counsel the patient for nebulization.								SGD / BED SIDE SESSIONS	OSPE/MCQ
FIRST WEEK															
4.	THURSDAY	EMERGENCY MEDICINE	1. Insertion of foley's catheter 2. Insertion of Nasogastric tube	1. Should be able to describe the indications and contraindications of Foley Catheter, types, uses. 2. Should be able to describe the indications and contraindications of Nasogastric tubes, types, uses.	Student will be able to; 1. Observe and assist HCW in inserting a foley catheter. 2. Observe and assist HCW in inserting a Nasogastric tube	Students will be able to: 1. Counsel the patient regarding foley catheter insertion and guide about its pros and cons. 2. Counsel the patient regarding NG tube insertion and guide about its pros and cons.								SGD / BED SIDE SESSIONS	OSPE/MCQ

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Psychomotor		Attitude		MOT/MIT	MOA
				Knowledge	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2		
5.	MONDAY	EMERGENCY MEDICINE	Approach to a patient with febrile illness	Should be able to describe causes of febrile illness and the importance of different steps of history taking and clinical examination in a febrile patient	<p><u>SECOND WEEK</u></p> <p>Student will be able to</p> <p>Take History of a febrile patient and do clinical examination</p>	<p>Students will be able to:</p> <p>Counsel the patient regarding possible causes of fever and do relevant examination after informed consent.</p>								SGD / BED SIDE SESSIONS	OSPE/MCQ
6.	TUESDAY	EMERGENCY MEDICINE	Approach to a patient with stroke	Should be able to describe types of stroke and possible risk factors	<p>Students will be able to:</p> <p>Take History of a patient with stroke and do clinical examination</p>	<p>Students will be able to:</p> <p>Counsel the patient regarding stroke and its possible types and causes under guidance of HCW.</p>								SGD / BED SIDE SESSIONS	OSPE/MCQ

Sr #	Day	Specialty	Topic	SPECIFIC LEARNING OBJECTIVES (SLO)			Cognition			Psychomotor		Attitude		MOT/MIT	MOA
				Knowledge	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2		
7.	WEDNESDAY	EMERGENCY MEDICINE	Approach to a patient with chest pain	Should be able to describe causes of chest pain and different presentations of a patient with cardiac chest pain.	Should be able to take History of a patient with chest pain under HCW guidance and do quick relevant examination	Students will be able to: Counsel the patient regarding chest pain and possible cause under guidance of HCW								SGD / BED SIDE SESSIONS	MCQ/SEQ
8.	THURSDAY Clinical teaching/ WARD TEST	EMERGENCY MEDICINE	Approach to a patient with Upper GI bleed	1. Should be able to describe causes of upper GI bleed 2. Should be able to identify whether patient is in hypovolemic shock or not.	1. Take History of a patient with upper GI bleed and do clinical examination under HCW guidance. 2. Should take vitals esp. pulse, blood pressure, should look for postural drop and urine output as a marker of hypovolemic shock.	Students will be able to: Counsel the patient regarding cause of upper GI bleed under guidance of HCW								SGD / BED SIDE SESSIONS	MCQ/SEQ

Learning Objectives Clinical Rotation of 3rd Year Pathology

At the end of session 3rd Year MBBS student will be able to

Microbiology: 04 Days

TOPIC	KNOWLEDGE	SKILL	ATTITUDES	MOA
Day 1				
Introductory round of laboratory & Bench's	Students will know about different sectarians of lab. (Smear formation staining, microscopy.)	--		
Autoclave	Parts, Principle, & Quality. Control of Autoclave (Q/C) Material to be sterilized in autoclave.	How to operate autoclave.		EOSA/OSPE/ Ward Test
Specimen collection	<ul style="list-style-type: none"> How to collect the specimen. Timings of collection Previous clinical notes/related to patient history Transportation & Handling of specimen 	Labeling Techniques		EOSA/OSPE/ Ward Test
Day 2				
Culture Media	<ul style="list-style-type: none"> Knowledge about Basic/specific culture media. Uses & Specification 	<ul style="list-style-type: none"> Media Preparation Methods of storage Inoculation Techniques 		EOSA/OSPE/ Ward Test
Antibiotic Sensitivity Testing	<ul style="list-style-type: none"> Knowledge about different groups of antibiotic for different organisms. 	Antibiotic sensitivity testing methods. Measurement of Zone of sensitivity.		EOSA/OSPE/ Ward Test
Orientation of Serology	<ul style="list-style-type: none"> Principle & uses of ELISA, PCR & Agglutinations 	Performance of all tests		EOSA/OSPE/ Ward Test
Day 3				
Microbiology	<ul style="list-style-type: none"> Performance of interpretation of Gram Staining & ZN staining 	<ul style="list-style-type: none"> Steps of gram staining & ZN staining & its Principles. Perform Gram, ZN staining, catalase, coagulase, Oxidase test How to interpret the test. Principles of catalase, coagulase & Oxidase test. Uses of different biochemical tests. 		EOSA/OSPE/ Ward Test
Day 4				
Urine & STOOL Examination	<ul style="list-style-type: none"> Urine & stool Examination 	<ul style="list-style-type: none"> How to collect the Specimen (Urine & stool) & CSF & Body fluid. Pre requisites of specimen collection Physical /Chemical & microscopic examination. Identification of positive findings. 	Preparation of slide. Microscopy of urine & stool slides.	EOSA/OSPE/ Ward Test
CSF Examination	CSF Examination	<ul style="list-style-type: none"> How to collect CSF (K) Pre requisites of Specimen Collection & Microscopic Examination 	Preparation of slide Microscopy of slide Staining techniques Physical and chemical examination.	EOSA/OSPE/ Ward Test

Hematology: 03 Days

TOPIC	KNOWLEDGE	SKILL	ATTITUDES	MOA
Day 5				
1. Sampling technique & phlebotomy	<ul style="list-style-type: none"> Describe the procedure of phlebotomy Explain pre-requisites for phlebotomy Appropriate /inappropriate sample How to discard inappropriate sample timeline for the transfer and storage of sample 	Perform phlebotomy as per SOP	Counsel patient before phlebotomy	EOSA/OSPE/ Ward Test
2. Blood C/P ESR	<ul style="list-style-type: none"> Explain different anticoagulant used in hematology with their uses Minimum time required for each step Interpret end result Different methods of performing blood C/P and ESR Timeline for storage of blood C/P and ESR sample 	<ul style="list-style-type: none"> Perform blood C/P on analyzes Perform ESR Interpret the result of blood C/P and ESR 	Counsel patient	EOSA/OSPE/ Ward Test
3. Preparation of blood smears' & retics	<ul style="list-style-type: none"> Explanation the step of blood smears preparation Quality of a good smears Different stains used for peripheral smears and retics with principle Timeline for storage of samples 	Prepare good quality blood smear		EOSA/OSPE/ Ward Test
4. Quality control	<ul style="list-style-type: none"> Explain role of quality control in laboratory Important of internal and external Q C 	Assess daily quality control of different analyzes.		EOSA/OSPE/ Ward Test
Day 6				
1. Coagulation studies	<ul style="list-style-type: none"> Enumerate different coagulation tests Explain principles of different coagulation studies Discuss role of different coagulation test timeline for the transfer and storage of samples 	<ul style="list-style-type: none"> Perform coagulation studies Interpret the result of coagulation studies 	Counsel patient / attendant in case of diagnosis of diseases e.g. Bleeding disorder	EOSA/OSPE/ Ward Test
2. Bone marrow studies	<ul style="list-style-type: none"> enumerate uses of bone marrow aspirate and trephine biopsy explain the procedure of bone marrow biopsy explain role of bone marrow in hematological disorder 	<ul style="list-style-type: none"> Identify different bone marrow aspirate and trephine needles Interpret the result of bone marrow studies 	Counsel the patient before bone marrow biopsy	EOSA/OSPE/ Ward Test
3. Hb studies & coombs test	<ul style="list-style-type: none"> explain principle of hemoglobin electrophoresis & Coombs test describe uses of hemoglobin studies and Coombs test describe procedure of Hb electrophoresis & coombs test 			EOSA/OSPE/ Ward Test
Day 7				
Blood grouping and cross matching	<ul style="list-style-type: none"> explain the procedure the blood grouping describe different blood groups e.g. ABO& Rh timeline for the storage of samples 	<ul style="list-style-type: none"> perform forward blood grouping interpret result of blood grouping and cross matching 		EOSA/OSPE/ Ward Test

Clerkship Model of Radiology

S. No.	Day	Radiology
1	Monday	Chest x ray anatomy
2	Tuesday	Chest x ray pathology
3	Wednesday	Bones & joints with fractures
4	Thursday	Plain x ray abdomen & KUB
5	Monday	Fluoroscopic procedures & Ba studies.
6	Tuesday	CT scan brain: basics
7	Wednesday	Basics of ultrasound and observation
8	Thursday	Ward assessment(film based)

Dr Nasir Khan
Chairperson of Radiology Department
RMU & Allied Hospitals

**Clinical Teaching Program for Third Year
Psychiatry Ward
Duration: 2 Weeks**

	Day	8:30-9:00	9:00-10:30	2:00-5:00 pm (Evening rotation)	Facilitator
Day 1	Monday	Introduction of the Institute Introduction to the clinical attachment Distribution of the history books	History Taking Allotment of Cases and Groups	Clinical work History taking of Allotted cases	Dr. Mohammad Kashif
Day 2	Tuesday	History taking Mental State Examination	Demonstration of History taking and MSE	Clinical work	Dr. Mohammad Kashif
Day 3	Wednesday	Presentation of cases histories of depression by medical students	Interview with the patient Theoretical aspect of depression	Clinical work	Dr. Mohammad Kashif
Day 4	Thursday	Presentation of cases histories of dissociative disorder by medical students	Interview with the patient Theoretical aspect of Dissociation	Clinical work	Dr. Mohammad Kashif
Day 5	Monday	Presentation of cases histories of Schizophrenia by medical students	Interview with the patient Theoretical aspect of	Clinical work	Dr. Mohammad Kashif
Day 6	Tuesday	Presentation of cases histories of Substance use Interview with the patient Theoretical aspect of Substance use		Clinical work	Dr. Mohammad Kashif
Day 7	Wednesday	Presentation of cases histories of Delirium/dementia/ organicity by medical students & Theoretical aspects		Clinical work	Dr. Mohammad Kashif
Day 8	Thursday	Ward Test: OSCE (conducted by	Evaluation (OCSE + case histories + attendance & Signatures on logbook) & Feedback		Ward Test