



Department Of Medical Education
Rawalpindi Medical University/Allied Hospitals



	Rawalpindi Medical University			
	Doc. Title: Time Table		Ref No. <u>H-207</u> /DME-RMU	
	Document #: RMU-BHS-REC-01	Rev. #: 00	ISSUE #: 127	Issue Date: 14-03-25

Integrated Clinically Oriented Modular Curriculum for 3rd Year MBBS

GIT Module Time Table

3rd Year MBBS

Session 2022-23

Batch-50

Dr. Attiya Munir
Chairperson of Pharmacology
Rawalpindi Medical University

Dr. Filza Ali
Chairperson of Forensic Medicine
Rawalpindi Medical University

Prof. Mobina Ahsan Dodhy
Chairperson of Pathology
Rawalpindi Medical University

Assistant Director-DME
Rawalpindi Medical University

Additional Director-DME
Rawalpindi Medical University

Dean of Basic Sciences
Rawalpindi Medical University

Vice Chancellor
Rawalpindi Medical University
Rawalpindi



Third Year MBBS 2025

Study Guide

GIT, Hepatobiliary & Parasitology Module

Table of Contents

GIT and parasitology Module Team	3
University Moto, Vision, Values & Goals	4
Module - GIT and parasitology Module	5
Section I -	
Terms & Abbreviations	6
Teaching and Learning Methodologies / Strategies	7
Section II-	
Learning Objectives, Teaching Strategies & Assessments	8
Clinically Integrated Learning Objectives	9
Self-Directed Learning (SDL)	10
Section III:	
Teaching strategy & Learning Objectives	11
Integrated Modular Timetable	32
Teaching hours Summary	42
Venues for Academic Session	43
Section IV:	
Assessment Policies	44
Assessment plan.....	46
Types of Assessment:	47
Learning Resources	48
SECTION V:	
Date of GIT module assessment	49
Table of Specification (TOS) For GI MODULE 3rd year MBBS Modules during running academic session	50
Annexure I.....	51
(Sample MCQ & SEQ papers with analysis)	45
Annexure II	
Clinical Clerkship Model	49

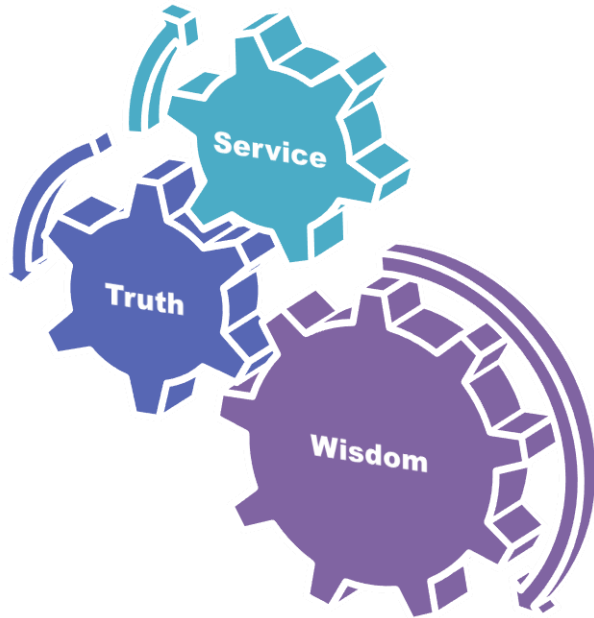
GIT, Hepatobiliary & Parasitology Module Team

Module Name	:	GIT, Hepatobiliary & parasitology Module
Duration of module	:	05/ 06 Weeks
Coordinator	:	Dr. Mudassira Zahid
Co-coordinator	:	Dr. Rubab Fatima
Review by	:	Module Committee

Module Committee			Module Task Force Team		
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1	Coordinator	Dr. Mudassira Zahid (Associate Professor of Pathology)
2.	Director DME	Prof. Dr. Rai Muhammad Asghar	2	DME Focal Person	Dr. Maryum Batool
3.	Convener Curriculum	Prof. Dr. Naeem Akhter	3	Co-coordinator	Dr. Rubab Fatima (Demonstrator of Pathology)
4.	Dean BasicSciences	Prof. Dr. Ayesha Yousaf			
5.	Additional Director DME	Prof. Dr. Ifra Saeed			
6.	Chairperson Pharmacology & Implementation Incharge 3 rd year MBBS	Dr. Asma Khan			
7.	Chairperson Pathology	Prof. Dr. Mobina Dodhy		DME Implementation Team	
			1.	Director DME	Prof. Dr. Rai Muhammad Asghar
8.	Chairperson Forensic Medicine	Dr Filza	2.	Add. Director DME	Prof. Dr. Asma khan
9.	Focal Person Pharmacology	Dr Sobia	3.	Assistant Director DME	Dr Omaima Asif
10.	Focal Person Pathology	Dr Syeda Ayesha	4.	Module planner & Implementationcoordinator	Dr. Omaima Asif
11.	Focal Person Forensic Medicine	Dr. Gulzeb	5.	Editor	Dr Omaima Asif
12.	Focal Person Medicine	Dr. Saima Ambreen			
13.	Focal Person of Gynaecology	Dr. Sobia Nawaz			
14.	Focal Person Community Medicine	Dr. Afifa Kulsoom			
15.	Focal Person Quran Translation Lectures	Mufti abdul Wahid			
16.	Focal Person Family Medicine	Dr Sadia Khan			
17.	Focal Person Bioethics Department	Prof. Dr. Akram Randhawa			
18.	Focal Person Surgery	Dr Huma Sabir			

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 centre 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.

Module – GIT, Hepatobiliary and Parasitology

Introduction: GI and parasitology module provides integration of core concepts that underlie the basic science/pathology of GI 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 GI and parasitology module is designed to impart basic knowledge about Pharmacology, Pathology, Forensic Medicine, Community Medicine, family medicine 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
- Professionalism/ Communication Skills
- Use technologybased 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 4 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.

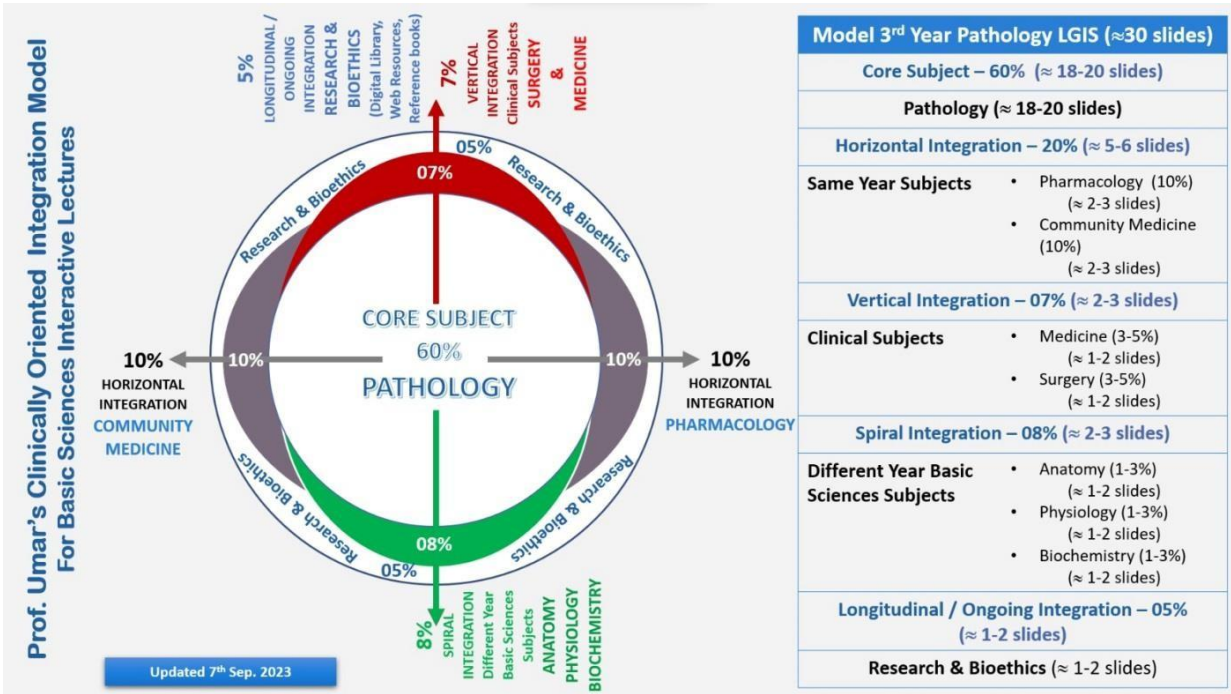


Figure 1. Prof Umar’s Model of Integrated Lecture

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)	5 minutes
Step 3	Students divided into groups of three and allocation of learning objectives	5 minutes
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	30 min
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), website
- 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

Learning Objectives

Week1						
Code No	Topic	Discipline	At the end of the lecture students should be able to	C/P/A	Teaching strategies	Assessment tools
L1	Revision of Anatomy	Revision	Describe the general organization and topography of Gastrointestinal tract. Explain abdominal wall, peritoneum and viscera of Gastrointestinal tract. Discuss neurovascular organization and lymphatic drainage of Gastrointestinal tract.	C2 C2 C2	LGIS	MCQs SEQs VIVA
			Describe Causes and pathological features of Inflammatory/ reactive Lesions of oral cavity.	C2		
L2	Oral Cavity & Salivary Gland Pathology	Pathology	9 To perform Investigations of Systemic Disease with examples. 9 To cause and pathogenesis of Precancerous and Cancerous Lesion. 5 To explain etiology pathogenesis morphology of Squamous Cell Carcinoma.	C2 C2 C2	SGD	MCQs SEQs VIVA
			/ P Is salivary gland non neoplastic lesions.	C3		
			5 To explain etiology and Sialadenitis.	C2		
C1	Salivary Gland Tumor	Pathology	Classify salivary gland tumors. Describe the clinical presentation of salivary gland tumors. Discuss the morphological features of salivary gland tumors. Differentiate between morphological features of Pleomorphic adenoma, Warthin tumor, Mucoepidermoid Carcinoma.	C2 C3 C2 C3	CBL	PBQS
			Classify anti-emetics.	C1		
			Describe the mechanism of action of Metoclopramide.	C2		
L3	Antiemetic drugs	Pharmacology	Describe the uses & adverse effects of Metoclopramide.	C2	LGIS	MCQs SEQs VIVA
			Describe mechanism of action and adverse effects of other anti-	C2		
			emetics (5HT ₃ antagonists, H ₁ antagonists & hyoscine).			

L4	Hyperemesis gravidarum	Gynaecology	Define hyperemesis Enlist cause of hyperemesis. Enumerate Complications of Hyperemesis Know the Principles of management	C1 C1 C2	LGIS	MCQs SEQs VIVA
L5	Tilawat Quran	Quran Class				
L6	Approach to a patient with dysphagia Students will be able to	Surgery	Define dysphagia Enlist causes of dysphagia Understand approach to diagnosis and investigations in a patient of dysphagia Briefly outline surgical management of dysphagia (especially achalasia, cardia, hiatal hernia, malignancy, corrosive strictures)	C2 C2 C3 C2 C2	LGIS	MCQs SEQs VIVA
L7	Introduction, Symptoms and Analysis of GI Investigation	Medicine	Discuss different symptoms of gastrointestinal disease and their differential diagnosis. Discuss relevant qualifications in history of common presentation in Gastroenterology. Describe important investigations (e.g. endoscopy) in gastroenterology and the indications and interpretation of results. Acquire accurate history from symptoms.	C2 C2 C2 A2	LGIS	MCQs SEQs VIVA
C2	Anti emetic drugs	Pharmacology	Interpret clinical pharmacology of drugs used for vomiting.	C3	CBL	PBQS
S1	Introduction to parasitology	Pathology	Define and Differentiate between, Definitive host, Intermediate host, Vector, Carrier state, Reservoir, Symbiosis, Mutualism, Forms in which parasites exist. Classify medically important parasites.	C2 C2	SGD	MCQs SEQs VIVA
L8	Neoplastic lesions of esophagus	Pathology	Describe etiology, pathogenesis and morphological features of Reflux Esophagitis, Esophageal varices, . . . Esophagus. enlist the risk factors for carcinoma of esophagus. Classify different types of esophageal tumors on the basis of morphology. correlate the pathogenesis of Barrett's esophagitis with GERD	C2 C2 C3 C3	SGD	MCQs SEQs VIVA

Week2						
Code No	Topic	Discipline	At the end of the lecture students should be able to	C/P/A	Teaching strategies	Assessment tools
			Define dyspepsia.	C1		
L9	Approach to patient with dyspepsia	Medicine	Describe pathophysiology of gastric acid secretion. Describe and discuss different clinical presentations and treatment options for dyspepsia.	C2	LGIS	MCQs SEQs VIVA
L10	Types of gastritis and gastropathies	Pathology	Differentiate between etiology, pathogenesis and morphological features of gastropathy and Acute Gastritis, Chronic Gastritis. Differentiate morphological features of Helicobacter pylori Gastritis and Autoimmune Gastritis. Explain causes, pathogenesis and morphological features of Ménétrier Disease and Zollinger-Ellison Syndrome.	C3 C3 C2	SGD	MCQs SEQs VIVA
L11	H. Pylori Gastritis and Peptic Ulcer	Pathology	Correlate pathogenesis of Peptic Ulcer disease with its morphology and clinical presentation. Correlate the etiology & pathogenesis of Helicobacter pylori-associated chronic gastritis with clinical presentation. Enlist the complications and other diseases caused by H Pylori infection.	C3 C3 C1	LGIS	MCQs SEQs VIVA
L12	Drugs Used in Peptic Ulcer (H2 receptor antagonist)	Pharmacology	Classify drugs used in the treatment of Peptic Ulcer. Describe the mechanism of action of antacids used in the treatment of Peptic Ulcer. Describe the adverse effects of antacids. Describe the mechanism of action of H2 receptor blockers. Describe the adverse effects of H2 Receptor Blockers. Tabulate differences between cimetidine & other H2 receptor blockers.	C1 C2 C3 C2 C4	LGIS	MCQs SEQs VIVA
L13	Intestinal cestodes	Pathology	Classify the cestodes. Describe morphological features of cestodes. Enlist diseases caused by each type. Describe life cycle of these parasites. Explain transmission, epidemiology and pathogenesis of	C2 C2 C2 C2	CBL	PBQS

			diseases caused by them. Explain the diagnosis on the basis of clinical features and laboratory findings. Describe treatment and prevention.	C2 C2C2		
L14	Analgesics	Forensic medicine & toxicology	Describe the types of Analgesics used commonly as self-harm Describe the clinical presentation of analgesic intoxication Describe the Medicolegal and forensic importance of analgesic intoxication. Describe the management of acute analgesic intoxication in general.	C2 C2 C2 C2 C2	LGIS	MCQs SEQs VIVA
P1	Introduction to P drugs and prescription writing in hyperemesis gravidarum	Pharmacology	illustrate P drug & prescription writing for motion sickness illustrate P drug & prescription writing for VOMITING IN PREGNANCY	P1 P1	PRACTICAL	OSPE
P2	Organophosphorus Compounds	Forensic medicine and toxicology	Describe the physical properties of Organophosphorus compounds. Describe mechanism of action in humans. Describe the clinical features of Organophosphorus compounds poisoning and its management. Describe the Medicolegal Importance of Organophosphorus compounds poisoning. Describe the autopsy findings of Organophosphorus compounds poisoning. Identify specimen of Organophosphorus compounds.	C2 C2 C2 C2 C2 P3	PRACTICAL	OSPE
P3	Salivary tumor, CA esophagus, peptic ulcer, CA stomach	Pathology	Recognize and draw histopathological features of pleomorphic adenoma of parotid gland. Describe the pathological features of gastric ulcers and carcinoma of esophagus and stomach. Identify the slides and recognize two points of identification of pleomorphic adenoma, CA stomach and CA esophagus.	C2 C2 P3	PRACTICAL	OSPE

Week3						
Code No	Topic	Discipline	At the end of the lecture students should be able to	C/I/A	Teaching strategies	Assessment tools
L15	Drugs used in peptic ulcer (Proton pump inhibitors)	Pharmacology	Describe the mechanism of action of Proton Pump Inhibitors. Describe adverse effects of PPIs. Discuss the mechanism of action of Mucosal protective agents. Discuss adverse effects of Mucosal protective agents. Discuss the drugs used for eradication of H. Pylori infection. Identify gross and microscopic images of gastric adenocarcinoma.	C2 C2 P3	LGIS	MCQs SEQs VIVA
S2	Drug used in acid peptic disorders	Pharmacology	Describe Clinical pharmacology of drugs used in Peptic ulcer caused by H Pylori.	C2	SGD	MCQs SEQs VIVA
			Classify different types of gastric Polyps.	C2		
L16	Neoplastic lesions of stomach	Pathology	Explain epidemiology, etiology, Pathogenesis of CA Stomach. Diagnosis of Gastric adenocarcinoma Morphology. Identify microscopic images of inflammatory bowel disease.	C2 C3	LGIS	MCQs SEQs VIVA
				P3		
L17	Classification of Foods	Community Medicine	Define nutrition describe food pyramid utilize food pyramid classify food according to function classify food according to nutritive value classify food according to origin classify food by chemical composition	C1 C2 C2 C2 C2 C2 C2	LGIS	MCQs SEQs VIVA
L18	Pesticides	Forensic Medicine & toxicology	Describe the types of Pesticides commonly implicated in poisoning Describe the clinical presentation of organophosphorus compound poisoning Describe the Absorption, metabolism and excretion of organophosphorus compounds. Describe the mechanism of action of organophosphorus compounds. Describe the causes of death due to organophosphorus compound poisoning. Describe the Medico legal and forensic importance of organophosphorus compounds. Describe the management of organophosphorus compounds with special emphasis on decontamination, removal of ingested and absorbed poison. Use of antidotes. Describe the autopsy findings of a victim of organophosphorus compounds	C2 C2 C2 C2 C2 C2 C3 C2	LGIS	MCQs SEQs VIVA

L19	Taqwa	QuranClass			LGIS	MCQs SEQs VIVA
L20	Small intestinal diseases	pathology	Describe Causes Pathogenesis and morphological features of Intestinal Obstruction. Discuss causes pathogenesis and diagnosis of Malabsorption and Diarrhea. Explain Pathogenesis and diagnosis of Cystic Fibrosis. Describe the pathogenesis and morphology of Celiac disease.	C2 C2 C2 C3	LGIS	MCQs SEQs VIVA
C4	Diarrhea causing protozoa	Pathology	Describe transmission & Lifecycle Enlist clinical features of intestinal Amoebiasis Explain Extraintestinal amoebiasis Interpret Lab diagnosis Differentiate between amebic and bacillary dysentery Plan treatment & prevention Describe life cycle and diseases caused by Giardia and enlist other non pathogenic amoebas. Describe clinical features of diarrhea caused by different protozoa Identify etiological cause of diarrhea on the basis of clinical features and morphology of fecal specimen.	C2 C1 C2 C3 C2 C3 C2 C2 P3	CBL	PBQS
C5	Antiamoebic drugs	Pharmacology	Classify amoebic drugs C1 Describe their mechanism of action C2 Describe MOA, other uses and adverse effect of metronidazole C2 Discuss important drug interactions of metronidazole C2 Identify the egg/ova on stool examination	C1 C2 C2 C2 P3	CBL	PBQS
L21	Anti amoebic drugs	Pharmacology	Discuss clinical pharmacology of drugs used in amoebiasis	C2	LGIS	MCQs SEQs VIVA
L22	Approach to a Patient With Upper GI bleed	Medicine	Define hematemesis, melena and hematochezia C1 Describe anatomical basis and patho-physiological correlation of GI bleed e.g. potential bleeding areas and mechanism of bleeding from the gut. C2 Discuss common causes of GI bleeding including common life threatening conditions. C2 Describe and discuss relevant questions to differentiate between different causes of upper GI bleed, for example: Peptic Ulcer Variceal bleed, Gastric carcinoma, Mallory Weiss tear.	C1 C2 C2 C2 C2	LGIS	MCQs SEQs VIVA
L23	Approach to a patient with acute abdomen	Surgery	Students will be able to Describe signs and symptoms of acute surgical abdomen. Enlist common causes of acute abdomen (appendicitis, obstruction, Peritonitis, intestinal perforation, duodenal perforation etc.) Describe resuscitation of an acute abdomen Understand investigations and diagnosis of a patient with acute abdomen Outline management options in a patient with acute abdomen (basic of surgical	C2 C1 C3	LGIS	MCQs SEQs VIVA

			management-e treat the causee.g.appendectomyexploratorylaparotomyand management according to cause)			
L24	Prokinetics	Pharmacology	DefineProkineticdrugs. Classifythe groupof drugsthat are usedas Prokinetics. explainthe , MOAusesandadverseeffectsof D2blockersdrugs.	C1 C1 C2	LGIS	MCQs SEQs VIVA
L25	Typesof colitisand Inflammatorybowel disease	Pathology	Describecausespathogenesisandmorphologicalfeaturesof Inflammatory Bowel Disease. Differentiate betweenUlcerativecolitisand Crohn's diseaseMicroscopicColitisand Graft-VersusHost Disease.	C2 C3	LGIS	MCQs SEQs VIVA
L26	Drugs used inflammatorybowel disease	Pharmacology	Enlistdrugsusedin IBD. Describe the therapeuticpyramidapproachto inflammatorybowel diseaseand how treatment choice is made. Enlistdrugsusedin IBD. Describe the therapeuticpyramidapproachto inflammatorybowel diseaseandhow treatment choiceis made.	C1 C2 C1 C2	LGIS	MCQs SEQs VIVA
L27	Tissuecestodes	pathology	Classifythe cestodes. Describe morphologicalfeaturesof cestodes. Enlistdiseasescausedby eachtype. Describe life cycleof theseparasites. ExplairtransmissionepidemiologyandPathogenesisof diseasescausedbythem Establishthe diagnosison the basisof clinicalfeaturesandlaboratoryfindings. Describe treatment and prevention.	C1 C2 C1 C2 C2 C2 C3 C2	SGD	MCQs SEQs VIVA
P4	Rabbitileum	pharmacology	. identificationof all the partsof chymograph Demonstrate the effectsof graduallyincreasingdosesof acetylcholineon dose responsecurve.	C3	PRACTICAL	OSPE
C3	Vegetablepoison	Forensic Medicine	Describe the physicalpropertiesof CastorCrotonCapsicumErgotAbrus Describe mechanismof actionin humans. Describe the clinicalfeaturesof Organirritants poisoningandits management. Describe the MedicolegalImportanceof Organirritants poisoning. Describe the autopsyfindingsof Organirritants poisoning. Identify specimen of Castor Croton Capsicum Ergot Abrus	C2 C2 C2 C2 C2 P3	CBL	PBQS
P5	Acute appendicitis IntestinalTB / Crohn's disease CA colon	Pathology	Recallpathologicalfeaturesof acuteappendicitis. Differentiate betweenIntestinaltuberculosisand IBD. Identify the slidesandrecognizetwo important pointsof identificationof acute	C1 C2 P3	PRACTICAL	OSPE

Week4						
Code No	Topic	Discipline	At the end of the lecture students should be able to	C/P/A	Teaching strategies	Assessment tools
L28	Major food groups	Community medicine	Describe major food groups Discuss function of proteins Describe requirements and sources of proteins Explain function of carbohydrates Describe requirements and sources of carbohydrates Discuss function of fats State requirements and sources of fats.	C1 C2 C2 C2 C2 C2 C2	L G I S	MCQs SEQs VIVA
L29	Neoplasia of intestine	Pathology	Classify intestinal inflammatory and neoplastic Polyps. Describe syndromic association of polyps. Discuss epidemiology, etiology, Pathogenesis and morphological features of intestinal Tumors.	C3 C2 C2 C3	S G D	MCQs SEQs VIVA
			Explain genetic etiology and molecular pathogenesis of colorectal adenocarcinoma. Describe hereditary Non-Polyposis Colorectal carcinoma. Conclude staging of colorectal Adenocarcinoma	C2C2C3		
C6	Colorectal carcinoma	Pathology	Discuss differential diagnosis based on clinical and morphological features. Classify intestinal inflammatory and neoplastic Polyps. Explain genetic etiology and molecular pathogenesis of colorectal adenocarcinoma. Describe hereditary Non-Polyposis Colorectal carcinoma. Enumerate staging of colorectal Adenocarcinoma. Identify tumor of colon on gross examination	C3 C3 C2 C2C3 P3	SGD	MCQs SEQs VIVA
L30	Medicolegal autopsy	Forensic and toxicology	Describe the contents of Medicolegal/postmortem reports. Describe the requirements of a mortuary. Describe the classification of pattern of injuries in MLC cases.	C2C2 C2	LGIS	MCQs SEQs VIVA
L31	Anal canal appendix and peritoneum	Pathology	Describe etio-Pathogenesis and morphology of Tumors of the Anal Canal. Apply morphological diagnosis of acute Appendicitis. Classify tumors of the Appendix on the basis of morphology.	C2C3 C3	SGD	MCQs SEQs VIVA

L32	FecoraInfections polio	Community medicine	Understand polio virus transmission polio myelitis disease and global progress toward polio eradication Recognize the vaccines available against polio and the risks and the benefits of the each Describe the rationale for introducing IPV into the routine immunization schedule.	C2 C2P3	LGIS	MCQs SEQs VIVA
L33	Approach to a patient with ascites and abdominal distension	Medicine	define Ascites. Explain pathophysiology of Ascites. Describe etiology of Ascites. Classify different types of Ascites. Able to investigate Ascites. Describe management plan.	C1 C2 C3 C2 C1 C2	LGIS	MCQs SEQs VIVA
L34	Approach to a patient with intestinal obstruction	Surgery	Students will be able to Describe signs and symptoms of intestinal obstruction. Enlist causes of intestinal obstruction. Understand resuscitation of a patient with intestinal obstruction. Understand investigations and diagnosis of a patient with intestinal obstruction. Outline management options in a patient with intestinal obstruction	C2C2C2	LGIS	MCQs SEQs VIVA
S3	Teramato des liver and lung flukes	Pathology	Classify the different important types of flukes. Enlist diseases caused by each type.	C3 C1	CBL	PBQS
			Describe life cycle of these parasites. Explain transmission epidemiology and Pathogenesis of diseases caused by them. Explain the diagnosis on the basis of clinical features and laboratory findings. Describe treatment and prevention.	C2C2 C2C2		
L35	Anti helminthes drugs	Pharmacology	Classify anthelmintic therapeutically. Explain mechanism of action of each group. Explain their advanced effects. Explain their mode of administration.	C1 C2 C2 C2	LGIS	MCQs SEQs VIVA
L36	Anti helminthes drugs	Pharmacology	Classify anthelmintic therapeutically. Explain mechanism of action of each group. Explain their advanced effects. Explain their mode of administration.	C1C2 C2C2	LGIS	MCQs SEQs VIVA
L37	Microbes causing GI infections	Pathology	Enlist different GI infections caused by bacteria. Enlist the important bacteria responsible for causing GI infections. Explain the clinical features of different GI infections of bacterial etiology. Describe the transmission and pathogenesis.	C1 C1 C2 C2	CBL	PBQS

			Interpret the lab diagnosis. Describe the treatment and prevention.	C3 C2		
L38	Fecooral infections typoid and food poisoning	Community medicine	define and clarify diarrhea Explain knowledge about burden of diarrheal diseases Describe the epidemiological concepts of acute intestinal infectious diseases Describe the W.H.O strategies for control and prevention of these diseases	C2 C2 C2 C2	LGIS	MCQs SEQs VIVA
L39	Antidiarrheal drugs	Pharmacology	Classification of anti-diarrhoeal agents Describe important pharmacological features Discuss adverse effects and clinical uses	C2 C2	LGIS	MCQs SEQs VIVA
L40	Nematodes with disease causing larvae	pathology	Enumerate Nematodes with disease causing larvae. Describe the morphological features. Enlist diseases caused by each type. Describe life cycle of these parasites. Explain transmission, epidemiology and Pathogenesis of diseases caused by them. Explain the diagnosis on the basis of clinical features and laboratory findings.	C1 C2 C1 C2 C2 C2	SGD	MCQs SEQs VIVA
S4	Antidiarrheal drugs	Pharmacology	Describe Clinical pharmacology of drugs used in diarrhea	C2	SGD	MCQs SEQs VIVA
C7	Hydatid disease	Pathology	Enlist diseases caused by each type. Describe important features of life cycle of these parasites.	C1 C2	CBL	MCQs SEQs VIVA
			Explain transmission, epidemiology and Pathogenesis of diseases caused by them. Explain the diagnosis on the basis of clinical features and laboratory findings. Describe treatment and prevention.	C2 C2 C2		
P6	Rabbit ileum	Pharmacology	demonstrate the effect on dose response curve of different doses of acetylcholine in the presence of atropine Demonstrate the surmountable antagonism between acetylcholine and	C1 C2	Practical	OSPE
P7	Autopsy Visits/Postmortem and Medicolegal work/Research work	Forensic Medicine	Describe the contents of Medicolegal/postmortem reports. Describe the requirements of a mortuary. Describe the classification of pattern of injuries in MLC cases. Observe autopsy and Medicolegal case management at DHQ Hospital. Preparation of MLC/autopsy report.	C2 C2 C2 C2 P2	Practical	OSPE
P8	Stool examination/ Parasitology (practical)	Pathology	Describe importance of stool examination. Differentiate common parasite on basis of morphology. Describe sample collection and transportation. Identification of common pathogens and parasites & eggs/ova	C2 C2 C2 P1	Practical	OSPE

Week5						
Code No	Topic	Discipline	At the end of the lecture students should be able to	I/P/A	Teaching strategies	Assessment tools
C8	Antihelminth es drugs	Pharmacology	Classify anthelmintic therapeutically. Explain mechanism of action of each group. Explain their advance effects. Explain their mode of administration.	C1 C2 C2 C2	LGIS	MCQs SEQs VIVA
			Discuss etiology, pathogenesis laboratory diagnosis of autoimmune Hepatitis.	C2		
L41	Types of hepatitis and metabolic liver diseases	Pathology	Describe Drug and Toxin Induced Liver Injury. Enumerate morphological features of alcoholic Liver Disease & Non-alcoholic Fatty Liver Disease (NAFLD). Enlist causes and morphological features of metabolic Liver Disease (Hemochromatosis, Wilson Disease, α -Antitrypsin Deficiency).	C2 C3 C1	LGIS	MCQs SEQs VIVA
L42	Drugs used in hepatitis B	Pharmacology	Discuss drug used for treatment of Hepatitis B viral infections Discuss the mechanism of action, uses and adverse effects of interferon Identify the gross images of liver tumor.	C2 C2 P1	LGIS	MCQs SEQs VIVA
L43	Hepatitis A & E	Pathology	Enumerate the important properties & Diseases caused by these viruses. Describe the Replicative cycle. Explain the transmission of the diseases caused by these viruses.	C2 C2 C2	LGIS	MCQs SEQs VIVA
			Relate the interaction of pathogenesis of viruses & immunity of individuals. Identify clinical findings of the diseases caused by these viruses. List the laboratory identification. Describe the treatment & Prevention.	C3 C1 C2		
L44	Nematodes: intestinal nematodes	Pathology	Classify the Nematodes. Classify the Intestinal Nematodes. Describe the common and differentiating features in morphology and life cycle of the Nematodes Enlist diseases caused by each type Describe life cycle of these parasites. Explain transmission epidemiology and Pathogenesis of diseases caused by them. Explain the diagnosis on the basis of clinical features and laboratory findings. Describe treatment and prevention.	C2 C2 C2 C1 C2 C2 C2 2	LGIS	MCQs SEQs VIVA

L45	Jaundice and biliary diseases	Pathology	Discuss pathophysiology of Jaundice Cholestasis large Bile Duct Obstruction autoimmune Cholangiopathies. Differentiate between pathological features of Primary Biliary Cirrhosis (PBC) and Primary Sclerosing Cholangitis (PSC). Discuss Structural Anomalies of the Biliary tree, biliary atresia. Explain Portal Vein Obstruction and hepatic vein Thrombosis. Correlate immunologic basis with Graft-Versus-Host Disease and Liver Graft Rejection.	C2 C3 C2 C2 3	LGIS	MCQs SEQs VIVA
L46	Allahor rasoolki muhabbat	Quran			LGIS	MCQs SEQs VIVA
L47	Approach to a patient with gastrointestinal carcinoma	Surgery	Explain signs and symptoms of cholelithiasis chronic cholecystitis acute cholecystitis, cholangitis, pancreatitis and obstructive jaundice. Enlist a D/D for upper abdominal pain. Enlist a D/D for obstructive jaundice. Apply his theoretical knowledge to make a management plan for hepatobiliary diseases.	C2 C1 3	LGIS	MCQs SEQs VIVA
L48	Minor protozoa toxoplasma and trichomonas	Pathology	Students will be able to Describe signs and symptoms of gastrointestinal Intestinal carcinoma. Understand investigations and diagnosis of a patient with gastrointestinal intestinal carcinoma. Outline management options in a patient with gastrointestinal carcinoma. Define neoadjuvant therapy, adjuvant therapy and upfront surgery.	2C1C2 C2C2	SGD	MCQs SEQs VIVA
L49	Family Medicine	Acute and chronic hepatitis	- Explain the etiology and clinical features of acute hepatitis. - Explain the management strategies of acute hepatitis in family practice - Explain the etiology clinical features and complications of chronic hepatitis - Explain the management strategies of chronic hepatitis in family practice Describe the red flags in a patient with acute and chronic hepatitis for referral to specialty care.	2C2C2 C2	LGIS	MCQs SEQs VIVA
S5	Gallbladder diseases	Pathology	Discuss morphological features of Congenital Anomalies. Describe etiology and pathogenesis of Cholelithiasis (Gallstones) and cholecystitis. Classify neoplastic lesions of gallbladder.	C2 C2 2	SGD	MCQs SEQs VIVA
			Discuss causes Pathogenesis and morphological features of Cirrhosis and Portal Hypertension. Enumerate causes of chronic hepatitis.	C2 C2		

L50	LIVER CIRRHOSIS	Pathology	Interpret morphological diagnosis of cirrhosis by neuroinflammatory grade and stage. Correlate morphological diagnosis of cirrhosis with clinical outcome of disease. correlate the hepatocellular and sinusoidal injury with complications of cirrhosis.	C3 3C3	LGIS	MCQs SEQs VIVA
L51	Hepatitis B & C	Pathology	Enumerate the important properties & Diseases caused by these viruses. Describe the Replicative cycle. Explain the transmission of the diseases caused by these viruses. Relate the interaction of pathogenesis of viruses & immunity of individuals. Identify clinical findings of the diseases caused by these viruses. List the laboratory identification. Describe the treatment & Prevention.	C2 C2 C2 C3 C1 C1 2	LGIS	MCQs SEQs VIVA
L52	Approach to a patient with viral hepatitis and cirrhosis	Medicine	define acute and chronic viral hepatitis and Different types of viruses causing Hepatitis and their natural course of disease. Describe Clinical features and complications of viral hepatitis. Describe investigation to diagnosis different viral hepatitis and for complications. Able to manage acute and chronic viral hepatitis.	1C2C2 C4	LGIS	MCQs SEQs VIVA
L53	Approach to patient with Obstructive jaundice	Surgery	Students will be able to Describe signs and symptoms of obstructive jaundice. Enlist causes of obstructive jaundice	C2C1 2	LGIS	MCQs SEQs VIVA
			Describe approach to diagnosis of obstructive jaundice. Outline management of obstructive jaundice.	C2		
L54	Preventive measures of viral hepatitis	Community medicine	Describe causes of different types of Hepatitis Elaborate the modes of transmission of different types of Hepatitis Describe the prevention of different types of Hepatitis Design control activities for different types of Hepatitis Guide people about immunization against different types of Hepatitis	C2 C3 C2 C2 C3	LGIS	MCQs SEQs VIVA
L55	Antiviral drugs (hep C)	Pharmacology	Discuss drug used for treatment of Hepatitis viral infections Discuss the mechanism of action, uses and adverse effects of interferon	C2 C2	LGIS	MCQs SEQs VIVA
P9	Prescription and P writing of peptic ulcer	pharmacology	P prescription and drug writing for peptic ulcer disease	C1C2	Practical	OSPE

P10	Autopsy visit /Postmortem/ Medicolegal work	Forensic medicine	Describe the contents of Medicolegal/postmortem reports. Describe the requirements of a mortuary. Describe the classification of pattern of injuries in MLC cases. Observe autopsy and Medicolegal base management at DHQ, Hospital. Preparation of MLC/autopsy report.	C2 C2 C2 C2 P2	Practical	OSPE
P11	Fatty change, Cirrhosis, CA liver	Pathology	Recall important histomorphology features for diagnosis of fatty change, Cirrhosis, CA liver Identify the slides and recognize two points of identification of Fatty change, Cirrhosis, CA liver	C2 C2	Practical	OSPE

Week6						
Code No	Topic	Discipline	At the end of the lecture students should be able to	C/P/A	Teaching strategies	Assessment tools
			Discuss etiology, pathogenesis and morphology of Nodular Regenerative Hyperplasia.	C2		
			Hepatocellular Adenoma and Hepatoblastoma.			
L56	Neoplastic liver diseases	Pathology	correlate the etio-pathogenesis of HCC with changes in its precursor lesions.	C3 C2	LGIS	MCQs SEQs VIVA
			Describe the morphology of liver neoplasm.	C2		
			Describe the lab diagnosis of liver neoplasm.			
L57	Amoebiasis Ascariid hookworm infestation	Community Medicine	Recall the drugs used in worm infestations. Write a suitable prescription for patient with Ascariasis & Enterobius Vermicularis.		LGIS	MCQs SEQs VIVA
L58	Vitamins and minerals	Community medicine	explain importance of major minerals. explain importance of trace elements.	C2 C2	LGIS	MCQs SEQs VIVA
			State different types of vitamins explain function of vitamins. explain function of minerals. state daily requirement of vitamins. state daily requirement of minerals. describe deficiency diseases of vitamins and minerals.	C2 C2 C2 C1 C1		
			Describe morphological features of Congenital Anomalies.	C2		
			Discuss etiology, pathogenesis and morphological features of acute	C2		
C10	Pancreatic diseases	Pathology	Pancreatitis and chronic Pancreatitis Classify pancreatic Cysts.	C1	LGIS	MCQs SEQs VIVA
			Classify pancreatic benign and malignant tumors.	C1		
			Describe the lab diagnosis of pancreatitis.	C2		
			Describe the types of Alcohol	C2		
			Describe the clinical presentation of alcohol intoxication both acute and	C2		
			chronic			
L59	Alcohol	Forensic Medicine	Describe the clinical tests for examination of an alcoholic. Describe the collection of blood, urine and vomitus and their necessary sampling and referral to Forensic Lab for confirmation of the poisoning.	C2 C2	LGIS	MCQs SEQs VIVA

			Describe the medico legal and forensic importance of alcoholic intoxication.	C2		
			Describe the management of acute alcohol intoxication in general.	C2		
L60	Malnutrition and balanced diet	Community medicine	classify malnutrition explain causes of malnutrition discuss prevention of different types of malnutrition define nutritional surveillance food fortification, food adulteration discuss balanced diet describe energy requirement discuss concept of empty calories	C1 C2 C2 C1 C2 C2 C2	LG IS	MCQs SEQs VIVA
L61	Takabur aur Gharor	Quran Class			LG IS	MCQs SEQs VIVA
L62	Laxatives	Pharmacology	Classify Purgatives. Discuss the important pharmacological features of purgatives & Laxatives. Enumerate uses & adverse effects. Use of lactulose in Hepatic Encephalopathy.	C1 C2 C3 C2	LG IS	MCQs SEQs VIVA
L63	Nematodes: Tissue nematodes	Pathology	Enumerate Tissue Nematodes. Describe the morphological features of the tissue nematodes. Enlist diseases caused by each type. Describe life cycle of these parasites.	C1 C2 C2 C2	LG IS	MCQs SEQs VIVA

			Explain transmission epidemiology. and Pathogenesis of diseases caused by them. Explain the diagnosis on the basis of clinical features and laboratory findings. Describe treatment and prevention.	C2 C2 C2		
S6	Teramato des Schistoma	Pathology	Enlist Diseases caused by each type with Characteristics. Comprehend life cycle, transmission epidemiology & pathogenesis. Interpret Laboratory diagnosis. Plan treatment and prevention.	C1 C2 C3 C3	LGIS	MCQs SEQs VIVA
L6 4	Feco Oral Infection	Community Medicine			LGIS	MCQs SEQs VIVA
P1 2	Prescription and P writing of Amoebic dysentery and worm infestation	pharmacology	Recall the drugs used in amoebic dysentery Describe suitable drugs for the patient with amoebic dysentery Recall the drugs used in worm infestations. Write a suitable prescription for patient with Ascariasis & Enterobius Vermicularis.	C1C1	LGIS	MCQs SEQs VIVA
			Define drug Abuse, drug Addiction and Drug dependence. Enlist the WHO criteria of drug addiction. Briefly state their Medicolegal importance Enumerate different types of dangerous drugs w.r.t their affects. Describe the dangerous drug act. Differentiate between drug addiction n drug habituation. Assess the level of addiction by considering WHO criteria. Identify dangerous drugs and protocol of their handling. Assess and Manage a case of drug abuse by applying the knowledge of drug addiction, abuse, and WHO criteria. Follow the protocol of handling dangerous drugs	C2		
				C1		
				C2		
				C3		
C9	Drug Abuse and Dangerous Drug act	Forensic Medicine		C3 C3 P2	LGIS	MCQs SEQs VIVA
				P3		
				P3		
				A2		
P1 3	Laboratory diagnosis of hepatobiliary diseases	Pathology	Interpret lab report of a patient with chronic viral, hepatitis, acute viral hepatitis. Interpret lab report of a patient with jaundice.	C3 C3	LGIS	MCQs SEQs VIVA

Curriculum (Self Directed Learning) SDL

Week1/2		
Pharmacology		
Topic	Learning Objectives	References
ROLE OF SEROTONIN RECEPTORS IN GIT MOTILITY	Revisethe knowledge of receptors and neurotransmitters regarding their functional roles	1. Basic and Clinical Pharmacology by Bertram Z. Katzung 15th Edition, Chapter 6, Page 621-624 2. Goodman and Gilman's The Pharmacological Basis of Therapeutics, 13th Edition, Chapter , Pg
Pathology		
Oral inflammatory lesions	- Enlist cause of Aphthous Ulcers (Canker Sores) - Define pathogenesis of Herpes Simplex Virus Infection of oral cavity - Revised Pathogenesis of Oral Candidiasis (Thrush).	Robbins & Cotran Pathologic Basis of Disease 10 th Edition,, Pg 552
Forensic Medicine		
. Pesticides Aluminium phosphide (Alpho poisoning)	- Describe the physical properties of Organophosphorus compounds. - Describe mechanism of action in humans. - Describe the clinical features of Organophosphorus compound poisoning and its management. - Describe the medicolegal importance of Organophosphorus compounds poisoning. - Describe the autopsy findings of Organophosphorus compound poisoning	Text book of medical jurisprudence forensic medicine and toxicology, Edition 9 (PAGE NO 649 TO 652) Recommended: Principles of Forensic Medicine & Toxicology by Gautam Biswas

Week3		
Pharmacology		
Topic	LearningObjectives	Referenc es
• Roleof opioidsreceptorsin git motilty	• Classifyopioidsreceptors • Enumerateopioidsreceptorfunctions • Discuss\$the role of opioidsin git pyssiologyand pathology • Enumeratèdrugsactingthrough opioid receptors	Opioidreceptorsin the gastrointestinal tractPeter Holzer* https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3163293/#:~:text=Opioid%20receptors%20in%20the%20gastrointestinal%20tract
Pathology		
Odontogenicystsand • Tumors	At the end of SDLstudentsshouldbe ableto understand • Pathogenesisof Dentigerouscyst • Pathogenesisof Odontogenickeratocysts • Pathogenesisof Periapicalcyst • Pathogenesisof Odontogenicitumors • Pathogenesisof Ameloblastomas • Pathogenesisof Odontoma	RobinsBasidPathology10th EditionPage# 557-8
Forensic Medicine		
• Analgesic	• Enlist the typesof Analgesicsusedcommonlyasself harm • Brieflydescribethe clinicalpresentationof analgesicintoxication • State the MedicolegalImportanceof analgesicintoxication. • Explairthe managementbf acuteanalgesicintoxication ingeneral	t f o Textbookof medicaljurisprudenceforensicmedicineand toxicology,Edition 9 PAGE NO 689 TO 691 Recommended: Principlesof ForensidMedicine& Toxicology byGautamBiswas

Week4		
Pharmacology		
To pic	LearningObjectives	Reference s
PROBIOTICS AND PREBIOTICSHELPIFUL GUT HEALTH	- Classifyopioidsreceptors - Enumerateopioidsreceptorfunctions - Discuss the role of opioidsin git pyssiologyand pathology - Enumeratedrugsactingthroughopioidreceptors	https://www.frontiersin.org/articles/10.3389/fimmu.2013.00445/full herole of probiotics and prebiotics in gut immunity
		https://www.jmb.or.kr/journal/view.html?uid=5262&vmd=Role of Probioticin HumanGutMicrobiomeAssociateDiseases
Patholog y		
Esophagitis	Revisionof pathologyof Mallory-Weiss tearsChemical andInfectious Esophagitis, Reflux Esophagitis, EosinophilicEsophagitisBarrettEsophagus	RobinsBasicPathology10th EditionPage# 559-562
Forensic Medicine		
Alcohol	- Classifythe typesof Alcohol - Describethe clinicalpresentationof alcohol intoxicationboth acute and chronic - Brieflyexplainthe clinicaltestsfor examinationandthe collection of blood, urine and vomitus and their necessarysampling - State the MedicolegalImportanceof alcoholic intoxication.	Essential: 1 o Ω 3 Bookof forensic and toxicologyPAGE NO 629 TO 642 Recommended: Principles of ForensicMedicine& Toxicology byGautamBiswas

Time Table 2025

Integrated Modular Curriculum
GIT, Hepatobiliary & Parasitology Module - III

3rd Year MBBS

Duration Of Module: 05 WEEKS

Coordinator: Dr Mudassira
Zahid
Co coordinator: Dr Rubab
Fatima

Reviewed by: Module committee

Members Of Module Committee

PROF. Muhammad Umar	Chairman	Vice Chanellor RMU
Prof. Dr. Ayesha	Dean Of Basic Sciences \ Convener	Anatomy Department
Prof. Dr. Idrees Anwar	Dean & Member Curriculum Committee	Surgery Department
Dre. Asma Khan	Associate Dean and Implementation In charge 3 rd Year Modular Curriculums	Pharmacology Department
Dr. Omaila Asif	Overall Modular Coordinator	Pharmacology Department
Dr. Zunera Hakim	Focal Person	Pharmacology Department
Dr. Syeda Ayesha	Focal Person	Pathology Department
Dr. Gulzaib	Focal Person	Forensic Medicine Department
Dr. Saima Ambreen	Focal Person	Medicine Department
Dr. Huma Sabir	Focal Person	Surgery Department
Dr. Afifa Kulsoom	Focal Person	Community Medicine
Dr. Asad Shabbir	Focal Person	Pediatrics
Dr. Sadia Khan	Focal Person	Family Medicine

Prepared By
DR MUDASSIRA ZAHID
ASSOC PROF PATHOLOGY

TIME TABLE GIT MODULE WEEK1

DATE / DAY	08:00 to 10:45am	Clinical Clerkship	10:45am to 11:30am	11:30am to 01:00pm					
Monday 12-05-25			Medicine L1	Batch	Practical/SGD	Topic of Practical /SGD			
			Approach to a patient with dyspepsia Teacher Name: Dr. Tayyab, Dr. Anum Venue: Lecture 1&2	A	Pharmacology	Introduction to P drugs and prescription writing in hyperemesis gravidarum (practical) Teacher Name: Dr uzma Venue: Practical lab			
				B	Forensic Medicine	Organophosphorus compounds P2 Teacher Name: dr shahrukh Venue: Practical lab			
				C	Pathology	Salivary tumor, CA esophagus, peptic ulcer, CA stomach P3 Teacher Name: Dr Faiza Venue: Practical lab			
Pathology L2			Batch	Practical	Topic of Practical/SGD				
Types of gastritis & gastropathy Teacher Name: Prof Mobina, Dr. Mudassira Venue: Lecture Hall 1 & 2			B	Pharmacology	Introduction to P drugs and prescription writing in hyperemesis gravidarum P1 Teacher Name: Dr uzma Venue: Practical lab				
			C	Forensic Medicine	Organophosphorus compounds P2 Teacher Name: : dr shahrukh Venue: Practical lab				
			A	Pathology	Salivary tumor, CA esophagus, peptic ulcer, CA stomach P3 Teacher Name: Dr Faiza Venue: Practical lab				
Wednesday 14-05-25					Pathology L3	Batch	Practical	Topic of Practical/SGD	
					H.pylori gastritis and peptic ulcer Teacher Name: Prof. Fatima tuz Zahra, Dr.Kiran, Venue: Lecture Hall 1 & 2	C	Pharmacology	Introduction to P drugs and prescription writing (practical) in hyperemesis gravidarum P1 Teacher Name: Dr Uzma Venue: Practical lab	
						A	Forensic Medicine	Organophosphorus compounds P2 Teacher Name: : dr shahrukh Venue: Practical lab	
						B	Pathology	Salivary tumor, CA esophagus, peptic ulcer, CA stomach P3 Teacher Name: Dr Faiza Venue: Practical lab	
Thursday 15-05-25					10:45am to 11:30am	11:30am to 12:15pm		12:15pm to 01:00pm	
					Pharmacology L4	Pathology L5	Forensic Medicine L6		
					Drugs used in peptic ulcer (H2 receptor antagonists) Teacher Name: Dr. Asma khan, Dr. Attiya Mudassira Venue: Lecture Hall 1 & 2	Intestinal cestodes Teacher Name: Prof. Mobina, Dr Mudassira Venue: Venue: Lecture Hall 1 & 2		Analgesic Teacher Name: Dr Shahida Dr. Filza Venue: Lecture Hall 1 2	

Friday 16\05\2025	08:00-08:45 Am	08:45-09:30am	09:30-10:15am	10:15-11:00am	11:00am-12:00pm		
	Anatomy L6*	Pathology L7*	Pathology C1***	Pharmacology L8*	Gynee \ Obs L9*		
	Revision of Anatomy of GIT Teacher Name: Dr sajjad HussainVenue:Lecture hall 1	Oral cavity x Salivary Oland Pathology Teacher Name: Professor Dr Mobina, Dr. Mudassira Venue: Lecture Hall 1& 2	Salivary gland tumor Teacher Name: Dr. Iqbal, Dr. Nida ,Dr. Aisha, Dr. Unaiza Venue: See annexure 1	Anti-emetic Drugs Teacher Name: Dr.Asma,Dr.Attiya Venue: Lecture Hall 1& 2	Hyperemesis Grevedarum Teacher Name: Dr. Ismat BBH,Dr. Nighat BBH Venue: Lecture Hall 1& 2		
Saturday 17\05\2025	08:00 to 08:50am	08:50-09:40am	09:40-10:30am		10:30am-11:20am	11:20am-12:10pm	12:10pm-01:00pm
	Quran class L10*	Surgery L11*	Medicine L12*	No break	Pharmacology L13***	Pathology S1**	Pathology L14*
	Tilawat Quran Teacher Name: Qari Abdul WahidVenue:lecture hall 1	Approach to a patient with dysphagia Teacher Name: Dr Gohar (HFH), Dr Muhammad Iqbal (BBH)	Introduction, symptoms and analysisof GI investigations Teacher Name: Dr. Sadia, Dr. Aqsa		Antiemetic drugs Teacher Name: Dr.Rubina, Dr.Haseeba,, Dr.Uzma	Introduction to parasitologyTeachers name: Dr.Nida, Dr Iqbal, Dr Shabih, Dr Mehreen	Neoplastic lesions o esophagus Teacher Name: Dr Kiran, Dr.Fatima

TIME TABLE 3rd YEAR MBBS, GIT, LIVER AND PARASITOLOGY MODULE, 2025						2 ND WEEK		
DATE / DAY	8:00 AM – 11:00AM	9:30 AM – 11:00 AM	11:10am – 12:00pm	12:00 PM – 02:00 PM				
			Batch	Practical/SGD	Topic of Practical /CBL			
Monday 19-05-25		Pharmacology L15*	Batch	Practical	Topic of Practical			
		Drugs used in pepticulcer disorder Teachers: Dr.Asmakhan,Dr. Attiya Munir Venue Lecture Hall 1 & 2	B	Pharmacology	Rabbit ileum– P4 Teacher Name: dr ArsheenVenue: Practical lab			
			C	Forensic Medicine	Vegetable poisons –C3***Teacher Name: Dr Naila Venue: Practical lab			
			A	Pathology	Acute appendicitis, Intestinal TB, Crohn’s disease, UC, CA colon – P5Teacher Name: Dr Syeda A y e s h a Venue: Practical lab			
Tuesday 20-05-25		Pharmacology S2**	Batch	Practical	Topic of Practical			
		Drugs used in acid peptic disorders Teachers Dr.RubinaDr. Haseeba, Dr. Uzma, Dr. Omaima Venue: See annexure 1	C	Pharmacology	Rabbit ileum – P4 Teacher Name: dr Syeda AYeshaArsheenVenue: Practical lab			
			A	Forensic Medicine	Vegetable poisons –C3***Teacher Name: Dr Naila Venue: Practical lab			
			B	Pathology	Acute appendicitis, Intestinal TB, Crohn’s disease, UC, CA colon – P5Teacher Name: DrS y e d a A y e s h a Venue: Practical lab			
Thu 22-05-25		11:10am – 12:00pm	12:00pm – 01:00pm		01:00pm – 02:00pm			
		Pathology L16*	Community Medicine L17*		Forensic medicine L18*			
		Neoplastic lesions of stomach Teachers: Prof. Mobina, Dr Mudassira Venue: Lecture Hall 1 & 2	Classification of food Teacher Name: dr Afifa dr Gul MeherVenue: Venue: Lecture hall 1&2		Pesticides Teacher Name: Dr.Filza Dr. Shahida Venue: Venue: Lecture hall 1&2			
Friday 23-05-25	08:00am - 08:45am	08:45am – 09:30am	09:30am – 10:15am		10:15am - 11:00am	11:00am – 12:00pm	32	
	Quran class L19*	Pathology L20*	Pathology C4***		Pharmacology C5***	Pharmacology L21*		
	Taqwa Teacher Name: Qari Abdul WahidVenue: Lecture hall 1	Small intestinal diseases Teacher: Dr. Kiran, Dr. FatimaVenue: Lecture Hall 1& 2	Diarrhea Causing Protozoa:Entamoeba histiolytica, Giardia lamblia Teacher Name: Dr.ShabihDr. Iqbal, Dr. Aisha, Dr. Unaiza Venue: See annexure 1		Antiamoebic drugs Teachers: Dr.Rubina, Dr.Haseeba, Dr. Uzma, Dr. Omaima Venue: See annexure 1	Antiamoebic drugs Teacher Name: Dr.Zunera HakimDr.Sobiðavaid Venue: Lecture hall 1& 2		
Saturday 24-05-25	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
	Medicine L22*	Surgery L23*	Pharmacology L24*		BREAK	Pharmacology L26* Drugs used in IBD Teacher Name: Dr. Asma khan, Dr. Attiya Munir Venue: Lecture hall 1&2		Pathology L27*
	Approach to a patient with upper GI bleed Teacher Name: Dr. Javeria, Dr. Misbah. Venue: Lecture hall 1&2	Approach to a patient with acute abdomen Teacher Name: Dr Zafar(DHQ), Dr Ammara (HFH) Venue: Lecture hall 1&2	Prokinetics Teachers: Dr. Zunera,Dr. Sobia Venue: Lecture Hall 1 & 2				Pathology S2**Cestodes Dr Nida, Dr Iqbal, Dr ShabiH, Dr Unaiza	Tissue cestodes Teacher Name: Dr. Kiran, Dr. Fatima Venue: Lecture Hall 1& 2

Time Table 3rd Year MBBS, GIT, Hepatobiliary And Parasitology Module, 2025 3rd Week

DATE / DAY	8:00 AM – 11:00 AM	9:30 AM – 11:00 AM	11:10am – 12:00pm	12:00 PM – 02:00 PM			
Monday 26-05-25			Community Medicine L28*	Batch	Practical/SGD	Topic of Practical	
			Major food group Teachers: dr Afifa dr Gul Meher Venue: Lecture Hall 1 & 2	A	Pharmacology	Rabbit ileum – P6 Teacher Name: Dr Rubina Venue: Practical lab	
				B	Forensic Medicine	Autopsy Postmortem and medicolegal work- P7 Teacher Name: dr gulzaib Venue: Practical lab	
				C	Pathology	Stool examination/ Parasitology (practical) – P8 Teacher Name: Dr Unaiza Venue:	
Pathology L29*			Batch	Practical/SGD	Topic of Practical		
Neoplastic lesions of intestine Teachers: Dr. Kiran, Dr Fatima Zohra Venue: Lecture Hall 1& 2			B	Pharmacology	Rabbit ileum – P6 Teacher Name: Dr Rubina Venue:		
			C	Forensic Medicine	Autopsy Postmortem and medicolegal work- P7 Teacher Name: dr gulzaib Venue: Practical lab		
			A	Pathology	Stool examination/ Parasitology (practical) – P8 Teacher Name: Dr Unaiza Venue: Practical lab		
Pathology C6***			Batch	Practical/SGD	Topic of Practical		
Colorectal cancer Teacher Name: Dr. Unaiza Dr. Iqbal, Dr. Fatima, Dr. Nida Venue: See annexure 1			C	Pharmacology	Rabbit ileum – P6 Teacher Name: Dr Rubina Venue: Practical lab		
			A	Forensic Medicine	Autopsy Postmortem and medicolegal work- P7 Teacher Name: dr gulzaib Venue: Practical lab		
			B	Pathology	Stool examination/ Parasitology (practical) – P8 Teacher Name: Dr Unaiza Venue: Practical lab		
Thursday 29-05-25			11:10am – 12:00pm	12:00pm – 01:00pm		01:00pm – 02:00pm	
			Forensic medicine L30*	Pathology L31*		Community.Medicine L32*	
			Medicolegal autopsy Teacher Name: Dr. Gulzaib Dr.Filza Venue: Lecture Hall 1&2	Anal canal Appendix and peritoneum Teacher Name: Professor Mobina, .Dr Mudassira Venue: Lecture Hall 1& 2		Feco-oral infections polio Teacher Name: Dr Imran, dr Maimona Venue: Lecture Hall 1&2	
Friday	08:00am - 08:45am	08:45am – 09:30am		09:30am – 10:15am	10:15am - 11:00am	11:00am – 12:00pm	
	Medicine L33*	Surgery L34*		Pathology S3**	Pharmacology L35*	Pharmacology L36*	

30-5-25	Approach to a patient with ascites and abdominal distension Teacher NameDr.	Approach to a patient with intestinal obstruction, Teacher Name: Dr Huma Sabir, Dr Rahat	Trematodes liver and lung flukes	Antihelminthes drugs Teacher Name: Dr. Asma, Dr.Attiya	Antihelminthic drugs Teacher: Dr. Asma, Dr. Attiya Venue: Lecture hall 1&2	
---------	---	--	----------------------------------	--	--	--

	Misbah. N. Dr. Sadia Venue: Lecture Hall1&2	Venue: Lecture Hall 1&2	Teachers: : Dr. Nida, Dr. Iqbal Dr. Mehreen,, Dr.Shabih Venue See annexure 1	Venue: Venue: Lecture Hall 1&2			
Saturday 31-05-25	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 L37*	Community medicine L38*	Pharmacology L39*	BREAK 	Pathology L40**	Pharmacology S4**	Pathology C7***
	Microbes causing GI infection TeacherName: Dr.KiranandDrFatima Venue: Lecture hall 1&2	Feco oral infection :Typhoid and food poisoning Teacher Name: Dr Imran dr Maimona Venue: Lecture hall 1 &2	Antidiarrheal drugs Teacher Name: Dr.ZuneraDr. Sobia Venue:Lecture hall 1 & 2		Nematodes with disease causing larvae Teacher Name: Dr.Kiran, , Dr.Fatima Tuz Zahra, Venue: Lecture hall 1&2	Antidiarrheal drugs Teacher Name: Dr. RubinaDr.HaseebaDr. Uzma, Dr. Omaima Venue:See annexure 1	Hydatid disease Teacher Name:Dr RubabDr. Ayesha Dr. UnaizaNida Venue: See annexure 1 See annexure 1
	ODD	EVEN					

TIME TABLE 3rd YEAR MBBS, GIT, LIVER AND PARASITOLOGY MODULE, 2025 4th WEEK

DATE / DAY	8:00 AM–11:00 AM	9:30 AM–11:00 AM	11:10am – 12:00pm	12:00 PM – 02:00 PM		
Monday 2-06-25			Pharmacology C8***	Batch	Practical	Topic of Practical
			Anthelmintic Drugs Teacher: Dr.RubinaDr.UzmaDr.Haseeba, Dr.Arsheen Venue: See annexure 1	A	Pharmacology	Prescription and P writing on peptic ulcer– P9 Teacher Name: Dr zoofishan Venue: Practical lab
				B	Forensic Medicine	Autopsy visit /Postmortem/ Medicolegal work – P10 Teacher Name: Dr Raheel Venue: Practical lab
				C	Pathology	Fatty change, Cirrhosis, CA liver – P11 Teacher Name: Dr Rubab Venue: Practical lab
Pathology L41*			Batch	Practical	Topic of Practical	
Types of hepatitis and metabolic liver diseases Teachers:Professor Mobina,Dr Mudassira Lecture Hall 1 & 2			B	Pharmacology	Prescription and P writing on peptic ulcer– – P9 Teacher Name: dr zoofishan Venue: Practical lab	
			C	Forensic Medicine	Autopsy visit /Postmortem/ Medicolegal work – P10 Teacher Name: Dr Raheel Venue: Practical lab	
			A	Pathology	Fatty change, Cirrhosis, CA liver – P11 Teacher Name: Dr Rubab Venue: Practical lab	
Pharmacology L42*			Batch	Practical	Topic of Practical	
Drugs used in hepatitis B Teachers: Dr. Zunera, Dr.Sobia Lecture Hall 1 & 2			C	Pharmacology	Prescription and P writing on peptic ulcer– – P9 Teacher Name: Dr zoofishan Venue: Practical lab	
			A	Forensic Medicine	Autopsy visit /Postmortem/ Medicolegal work – P10 Teacher Name: Dr Raheel Venue: Practical lab	
			B	Pathology	Fatty change, Cirrhosis, CA liver – P11 Teacher Name: Dr Rubab Venue: Practical lab	
11:10am – 12:00pm	12:00pm – 01:00pm	01:00pm – 02:00pm				
Pathology L43*	Pathology L44*	Pathology L45*				
Hepatitis A &E	Nematodes: Intestinal Nematodes Teachers: Dr.Fatima, Dr Kiran	Jaundice and biliary diseases Teacher Name: Prof. Mobina, Dr Mudassira				

	Teacher Name: Dr Fatima Tuz Zahra, Dr. Kiran Lecture Hall 1&2	Venue: Lecture Hall 1& 2	Venue: Lecture Hall 1 & 2
--	--	--------------------------	---------------------------

6th june to 10th june eid ul azha break,11 to 29 june summer vacation

TIME TABLE 3rd YEAR MBBS, GIT, LIVER AND PARASITOLOGY MODULE, 2025 5th WEEK

DATE / DAY	8:00 AM – 11:00 AM	9:30 AM – 11:00 AM	11:10am – 12:00pm	12:00 PM – 02:00 PM		
Monday 30-06-25			Pathology L56*	Batch	Practical/SGD	Topic of Practical /SGD
			Neoplastic liver disease Teacher: Professor dr Mobina, Dr. Mudassira Venue:Lecture Hall 1& 2	A	Pharmacology	P drugs and prescription writing amoebic dysentry and worm infestation(practical) – P12Teacher Name: Dr Zaheer Venue: Practical lab
				B	Forensic medicine	Drug abuse and dangerous drug act – C9***Teacher Name: Dr shahida Venue: Practical lab
				C	Pathology	Laboratory diagnosis of hepatobiliary diseases-P13Teacher Name: Dr Iqbal Haider Venue: Practical lab
Tuesday 1-07-25			Community medicine L57*	Batch	Practical	Topic of Practical/SGD
			Amaoebiasis Ascaris Hookworm infestation. Teacher Name: r Imran dr Abdul Qadoos Venue:Lecture hall 1&2	B	Pharmacology	P drugs and prescription writing amoebic dysentry and worm infestation(practical) – P12Teacher Name: Dr Zaheer Venue: Practical lab
				C	Forensic medicine	Drug abuse and dangerous drug act – C9***Teacher Name: Dr shahida Venue: Practical lab
				A	Pathology	Laboratory diagnosis of hepatobiliary diseases-P13Teacher Name: Dr Iqbal Haider Venue: Practical lab

Wednesday 2-07-25	Community Medicine L58*	Batch	Practical	Topic of Practical/SGD
	Vitamins and Minerals Teacher Name: Dr Gul/meher dr Narjis	C	Pharmacology	P drugs and prescription writing amoebic dysentry and worm infestation(practical) – P12 Teacher Name: dr zaheer Venue: Practical lab
40 Page				

		Venue: Lecture hall 1&2	A	Forensic medicine	Drug abuse and dangerous drug act -- C9*** Teacher Name: Dr shahida Venue: Practical lab			
			B	Pathology	Laboratory diagnosis of hepatobiliary diseases-P13 Teacher Name: DrIqbal Haider Venue: Practical lab			
Thursday 3-07-25		11:10am – 12:00pm	12:00pm – 01:00pm		01:00pm – 02:00pm			
		Pathology C10***	Forensic medicine L59*		Community medicine L60*			
		Acute pancreatitis Teacher Dr. ShabihDr. Iqbal, Dr. Aisha, Dr. UnaizaName Venue: See Annexure 1	Alcohol Teacher Name: Dr. Filza Dr. Gulzaib Venue: Lecture hall 1&2		Malnutrition and balanced diet Teachers: Dr Gul/meher dr Narjis Venue: Lecture Hall 1 & 2			
Friday 4-07-25	08:00am - 08:45am	08:45am – 09:30am		09:30am – 10:15am	10:15am - 11:00am	11:00am – 12:00pm		
	Quran L61*	Pharmacology L62*		Pathology L63*	Pathology S6**	Community medicine L64*		
	Quran class Teacher Name: Qari Abdul Wahid Venue: Lecture hall 1	Laxatives Teacher Name: Dr. ZuneraDr. Sobia Venue: Lecture hall 1&2		Tissue Nematodes Teacher Name: Dr. Mudassira, Dr Fatima Venue: Lecture hall 1&2	Teramtodes Schistosoma Teachers: : Dr. Mehreen, Dr. Sara, Dr. Ayesha,, Dr. Iqbal Venue Venue: See annexure	Fecooral infection diarrheal diseases Teacher Name: Dr Imran dr Abdul Qadoos Venue: Lecture hall 1&2		
Saturday 5-07-25	08:00am - 10:00 am				10:00am - 12:00 pm		12:00am – 02:00pm	
	SDL Pathology				SDL pharmacology		SDL forensic medicine	

Teaching Hours

SR No.	Disciplines	LGIS 64	SGD 6	CBL 10	SDL	Hours
1.	Pathology	22	4	5	4	35
2.	Pharmacology	12	02	03	4	21
3.	Forensic Medicine	4	0	2(4hour)	4	12
4.	Community Medicine	09	0	0	0	9
5.	Surgery	05	0	0		5
6.	Medicine	05	0	0		5
7.	Gynaeology	01				1
8.	Family medicine	01				1
9.	Quran	04				4
10.	Anatomy	01				1
	Total Hours = 94					

Practical and Clinical Clerkship Hours

Disciplines	Practical Hours	Disciplines	Clerkship Hours
Pathology	10 (3x2x5=30hrs)	Surgery	2.5x4x5=50 hours
Pharmacology	10 (3x2x5=30hrs)	Medicine	2.5x4x5=50 hours
Forensic Medicine	6 (3x2x3=18hrs)	Sub-specialty	2.5x4x5=50 hours

* Forensic medicine CBL are of 2 hour.

- LGIS *
- SGD **
- CBL ***
- SDL ****

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

Batch: A = Lecture Hall 01

Batch: B = Lecture Hall 02

Batch: C = Lecture Hall 06

Batch: D = Pharmacy Lab

The batch distribution and venues for whole year are fixed with no change except for extraordinary situations.

Venues For Academic Sessions
3rd Year MBBS

- LARGE GROUP INTERACTIVE SESSIONS (LGIS)

Odd roll numbers: Lecture Hall 01

Even roll numbers: Lecture Hall 02

- SMALL GROUP DISCUSSION (SGD) /CASE BASED LEARNING (CBL)

Lecture Hall 01
Lecture Hall 02
Lecture Hall 06
Pharmacy Lab

In case of non-availability of these venues, CPC will be used for two batches

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



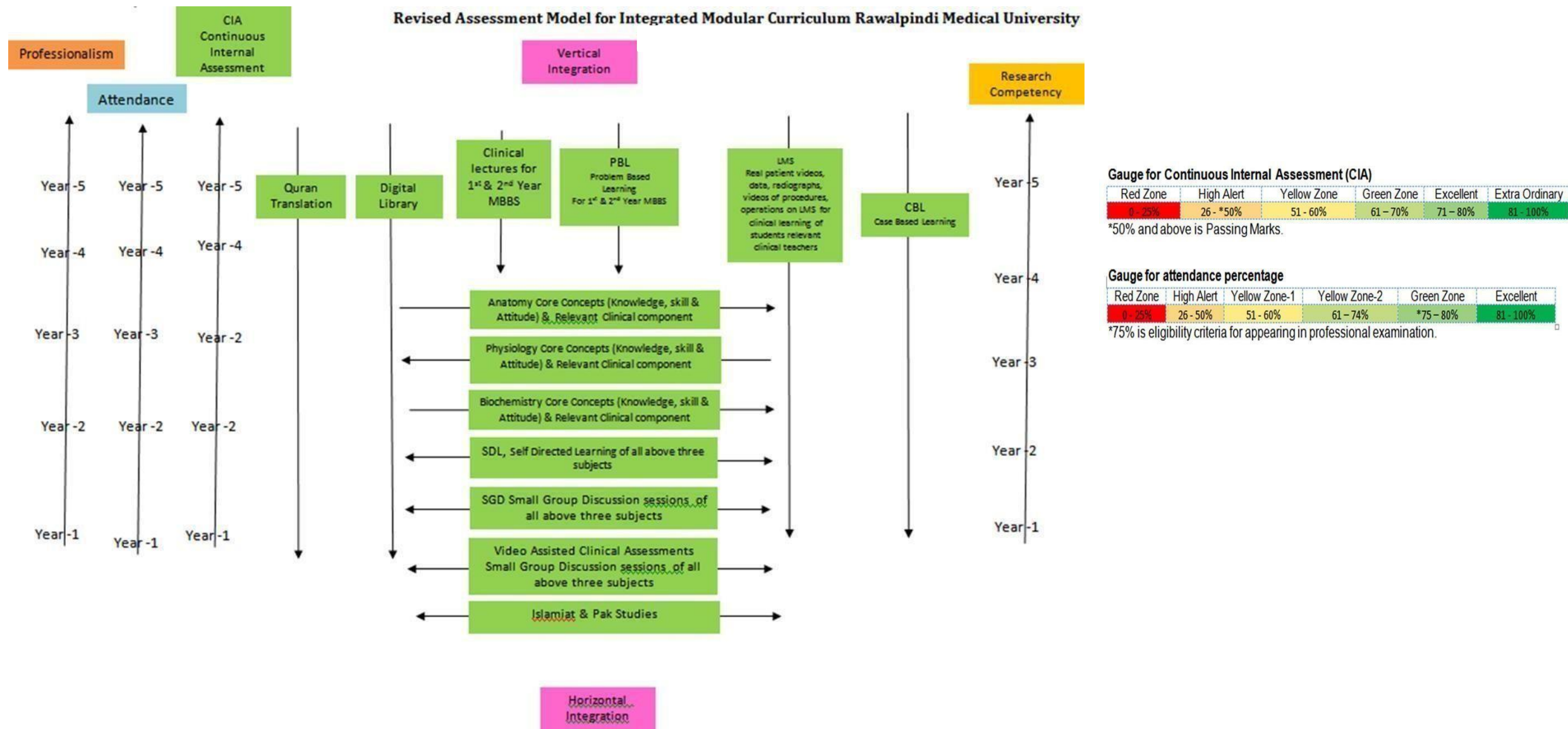
Section IV-

Assessment Policies

Contents

- Assessment plan
- Types of Assessment:
 - Modular Examinations
 - Block Examination
- Table 4: Assessment Frequency & Time in GI Module

Section IV: Assessment Policies



Assessment plan

University has followed the guidelines of Pakistan Medical and Dental Council for assessment. Assessment is conducted at the mid modular, modular and block levels.

Types of Assessment:

The assessment is formative and summative.

Formative Assessment

Formative assessment is taken at modular (2/3rd of the module is complete) level through MS Teams. Tool for this assessment is best choice questions and all subjects are given the share according to their hour percentage.

Summative Assessment:

Summative assessment is taken at the mid modular (LMS Based),modular and block levels.

Modular Examinations

Theory Paper

There is a module examination at the end of first module of each block. The content of the whole teaching of the module are tested in this examination.

It consists of paper with objective type questions and structured essay questions. The distribution of the questions is based on the Table of Specifications of the module. (Annexure I attached)

Viva Voce:

Structured table viva voce is conducted including the practical content of the module.

Block Examination

On completion of a block which consists of two modules, there is a block examination which consists of one theory paper and a structured viva with OSPE.

Theory Paper

There is one written paper for each subject. The paper consists of objective type questions and structured essay questions. The distribution of the questions is based on the Table of Specifications of the module.

Block OSPE

This covers the practical content of whole block.

Table 4-

Assessment Frequency & Time in GI and parasitology Module

Block	Module – 1		Type of Assessments	Total Assessments Time			No. of Assessments	
	Sr #	GI and parasitology Module Components		Assessment Time	Summative Assessment Time	Formative Assessment Time		
Block-II	1	Mid Module Examinations LMS based (Pharmacology, Pathology, Forensic Medicine, Medicine, Surgery, community medicine gynaecology, Family Medicine,)	Summative	30 Minutes	7 hours	30 Minutes	1 Formative	5 Summative
	2	Topics of SDL Examination on MS Team	Formative	10 Minutes (Every Friday)				
	3	End Module Examinations (SEQ & MCQs Based)	Summative	6 Hours				
	4	Pharmacology Structured and Clinically Oriented Viva	Summative	10 Minutes				
	5.	Forensic Medicine Structured and Clinically oriented Viva	Summative	10 Minutes				
	5	Pathology Structured & Clinically oriented Viva	Summative	10 Minutes				

Learning Resources

Subject	Resources
	1.
Pathology/Microbiology	TEXT BOOKS 1. Robbins & Cotran, Pathologic Basis of Disease, 10 th edition. 2. Rapid Review Pathology, 5 th edition by Edward F. Goljan MD. 3. http://library.med.utah.edu/WebPath/webpath.html
Pharmacology	TEXT BOOKS 1. Basic and Clinical Pharmacology by Bertram Z. Katzung 15th Edition, Chapter 6, Page 2-6, 15-24 2. Goodman and Gillmans The Pharmacological basics of Therapeutics, 13th Edition, Chapter , Pg
Forensic Medicine	TEXT BOOKS 1. Parikh Text Book of Medical Jurisprudence Forensic Medicine & Toxicology Edition 9
Medicine	TEXT BOOKS Davidsons Textbook of Medicine
Surgery	TEXT BOOKS Balley & Love textbook of surgery
Research	Digital library

SECTION VI
GI MODULE ASSESMENT PLAN

ASSESMENT PLANNED ON 7TH, 8TH AND 9TH JULY 2025 COMPRISING OF MCQS, SEQS, VIVA

Table of Specification (TOS) For GI End Module Examination for 3rd Year MBBS

Sr. #	Discipline	No. of MCQs (%)	No. of MCQs according to cognitive domain			No. of SEQs (%)		No. of SEQs according to cognitive domain			Viva voce	OSPE Marks	Total Marks
						No. of items	Marks						
			C1	C2	C3			C1	C2	C3			
1.	Pharmacology	15	2	9	4	7	35	2	4	1	30	0	80
2.	Forensic Medicine	15	4	9	3	5	25	2	2	1	10	0	50
3.	Pathology	25	2	5	3	7	35	2	4	1	40	0	100

