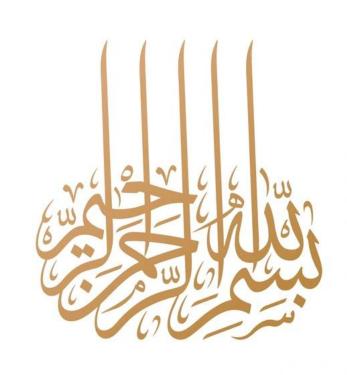


# Rawalpindi Medical University Implementation Plan Clinically Oriented Integrated Modular Curriculum 2024 Second Year MBBS

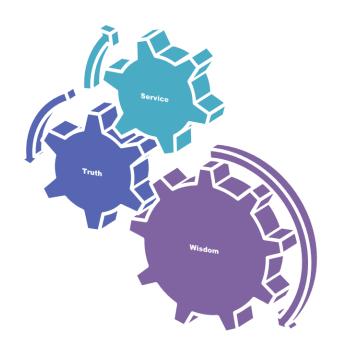




**Dedicated to Hazrat Muhammad (S.A.W)** 

#### **University Moto, Vision, Values & Goals**

#### **RMU Motto**



#### **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 critical thinkers, experiential self-directed lifelong learners and are socially accountable

#### **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.

#### **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.

## Table of Contents

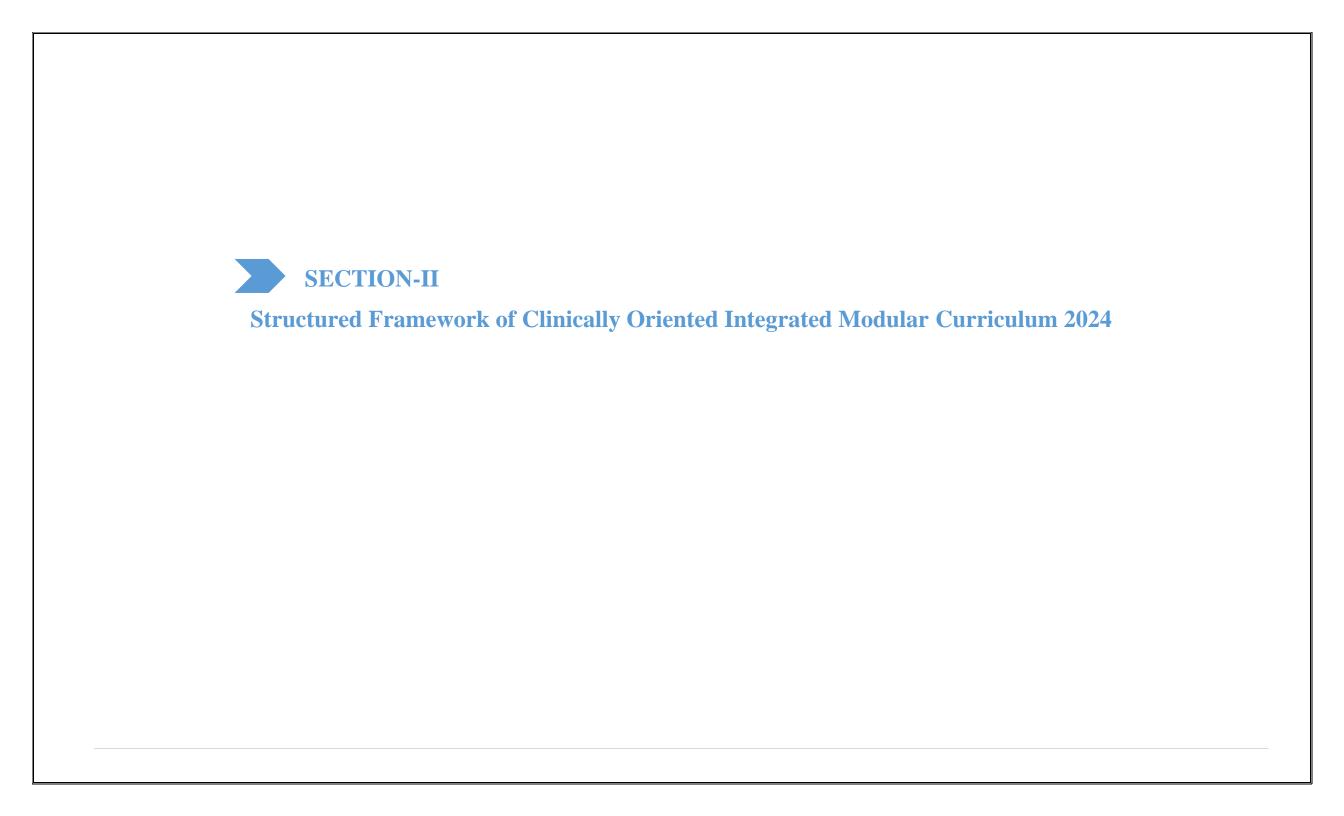
SECTION-I (Introduction)	06
Preamble	07
SECTION-II (Structured Framework of Clinically Oriented Integrated Modular Curriculum 2024)	
Structured Framework of Clinically Oriented Integrated Modular Curriculum 2024	09
First Year Academic Calendar	10
SECTION-III (Teaching and Learning Methodologies / Strategies).	12
Teaching and Learning Methodologies / Strategies	13
Large Group Interactive Session (LGIS)	14
Small Group Discussion (SGD)	15
Self-Directed Learning (SDL)	
Case Based Learning (CBL)	16
Problem Based Learning (PBL)	16
Practical Sessions/Skill Lab (SKL)	17
SECTION-IV (Clinically Oriented Integrated Modular Curriculum)	18
Block-I (GIT + Renal Module)	
Module I - GIT Module	20
Module II – Renal Module	
Block-II (Reproduction + CNS Module)	63
Module III –Reproduction Module	64
Module IV – CNS Module	84
Block-III (Special Senses + Endocrinology Module)	108
Module V – Special Senses Module	109
Module VI – Endocrinology Module	127
SECTION-V (Learning Resources)	1645

Learning Resources	166
SECTION-VI (Assessment)	169
Assessment	160
SECTION-VII (Table of Specification (TOS) for Module Examination for Second Year MBBS)	165
Table of Specification (TOS) for Module Examination for Second Year MBBS	154
SECTION-VIII (Feedback and Evaluation)	156
Feedback and Evaluation	157



#### **Preamble**

In commitment to enhancing medical education, Rawalpindi Medical University Implements an integrated curriculum for first-year MBBS students, designed to transform and enrich their learning experience. This innovative curriculum will seamlessly integrate foundational subjects—Anatomy, Physiology, and Biochemistry—with clinical practice, providing a more holistic understanding of medicine from the outset. By structuring the curriculum around thematic modules that reflect the interconnected nature of bodily systems and clinical conditions, we aim to create a cohesive educational journey. This approach will enable students to see the practical relevance of their theoretical studies through case-based learning, where real-world clinical cases are used to explore and apply core scientific principles. The curriculum will emphasize active learning strategies, including collaborative problem-solving, hands-on practical experiences, and regular assessments with constructive feedback, to ensure deep engagement and continuous improvement. Interdisciplinary collaboration among faculty will further enrich the learning experience, offering diverse perspectives and a unified approach to medical education. Through this integrated curriculum, we aspire to produce well-rounded medical professionals who are adept at linking theory to practice and are prepared to tackle the complexities of modern healthcare with competence and confidence



## **Structured Framework of Clinically Oriented Integrated Modular Curriculum 2024**

Sr. No	Class	Module	Duration	Block	
		Foundation Module	6 weeks	Block-I	
		MSK-I Module	5 weeks		
		MSK-II Module	5 weeks	Block -II	
1.	First Year MBBS	Blood & immunity Module	5 weeks		
		CVS Module	6 weeks		
		Respiration Module	5 weeks	Block -III	
		General Education Cluster Module	1 week		
		Gastrointestinal tract Module	5 weeks	Block-I	
		Renal module	5 weeks		
2.	Second Year MBBS	Reproduction Module	4 weeks	Block -II	
4.	Second Teal WIDDS	Central nervous system module	6 weeks		
		Special Senses Module	4 weeks	Block -III	
		Endocrinology Module	5 weeks		
		Foundation 1	4 weeks	Block-I	
		Foundation II	4 weeks		
3.	Third Year MBBS	GIT, Hepatobiliary & Parasitology	5 weeks	Block -II	
J.	Timu Tear Wibbs	Microbes & Antimicrobials	7 weeks	Block -III	
		Hematology, Immunology & Research	5 weeks		
		CVS & Respiration	5 weeks		
		Otorhinolaryngology 1	2.5 weeks	Block-I	
		Otorhinolaryngology II	3 weeks		
		Ophthalmology I	2.5 weeks	Block -II	
4.	Fourth Year MBBS	Ophthalmology II	3 weeks		
т.	Tourth Tear MDDS	Endocrinology	5 weeks	Block -III	
		Population Health & Reproduction	6 weeks		
		Renal	4 weeks	Block -IV	
		CNS & Psychiatry	6 weeks		
_		Medicine & Allied	12 weeks	Block-I	
5.	Final Year MBBS	Surgery & Allied	12 weeks	Block-II	
		Gynae & Peads	12 weeks	Block-III	

#### **Second Year Academic Calendar 2024**

Blocks	Block-I					Block II			Block III				Schedule of Send Up and Professional Examination											
Module	GIT Module	Module Assessment	Spring Vacation	Renal	Renal	Student Week 01	Weeks)	Module Assessment	Block Assessment	Reproduction	Summer Vacation	Module Assessments	CNS Module	Module Assessment	Block Assessment	Special Senses	Module Assessment	Endocrinology	Module Assessment	Block Assessment	Prep leaves for send up	Send up	Prep Leaves for Professional Examination	Professional Examination
Duration in Weeks / Days	05 Weeks	03 Days	08 Days	First Week	Second Week	06 Days	Third & Fourth Weeks	06 Days	04 Days	04 Weeks	2024	06 Days	05 Weeks	06 Days	03 Days	03 Weeks	06 Days	04 Weeks	06 Days	04 Days	10 Days	13 Days	20 Days	24 Days
Dates	26th -Feb - 30th March 2024	01" April – 03" April, 2024	05th April – 13th April 2024	18th April – 20th April 2024	22nd April – 27th April 2024	29th April - 04th May 2024	06th May - 16th May 2024	17th May – 23td May 2024	24th May - 28th May 2024	29th May – 26th June 2024	$17^{\text{th}}$ June $-20^{\text{th}}$ July 3	22" July – 27" July 2024	29th July – 31st August 2024	02nd Sep - 07th Sep 2024	09th Sep – 11th Sep 2024	12th Sep - 2th Oct 2024	03 <sup>rd</sup> Oct – 10 <sup>th</sup> Oct 2024	11th Oct - 08th Nov 2024	09th Nov - 15th Nov 2024	16th Nov - 20th Nov 2024	21" Nov – 30 <sup>th</sup> Nov 2024	01st Dec - 13th Dec 2024	14 <sup>th</sup> Dec 2024 − 01 <sup>st</sup> Jan 2025	02*d Jan 2025 – 25th Jan 2025

<sup>\*</sup>Note: All dates are subject to change.

## **Contact Hour Distribution for Core Subjects**

#### **Second Year MBBS**

Teaching Hours 2 <sup>nd</sup> Year MBBS								
Blocks	Modules	Anatomy	Physiology	Biochemistry	Total	<b>Total Hours</b>	Percentage	
	GIT	103	118	29	250	414	38	
Block-I	Renal	50	86	28	164			
	Reproduction	58	74	22	154	339	31	
Block-II	CNS	45	113	27	185			
	Special Senses	74	24	55	153	333		
Block-III	Endocrinology	74	30	76	180			
Total Hours Per Subject		404	445	237	1086		100	
Percentage		37	41	22	100			

## Discipline Wise Clinical Teaching Hours for Second Year MBBS

Sr. No	Discipline	<b>Contact Hours</b>
1.	Psychiatry	1
2.	Community Medicine	10
3.	Medicine	15
4.	Bioethics	9
5.	Surgery	17
6.	Pathology	10
7.	Pharmacology	3
8.	Radiology	7
9.	Pediatrics	5
10.	Family Medicine	4
11.	Quran Translation	11
12.	Islamiyat	12
13.	Pak Studies	10
14.	Research Club activity	5
15.	Eye	4
16.	ENT	3
17.	Behavioral Sciences	3
18.	Gynae/Obstetrics	4
	Total Hours	103 Hours



#### **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 the followed for delivery of all LGIS. The 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.

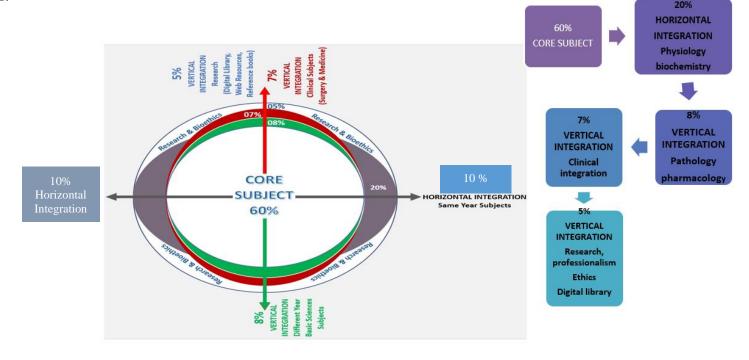


Figure 1. Prof Umar's Model of Integrated Lecture

#### **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 help 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 Implementation of Small Group Discussions** 

Step 1	Sharing of Learning objectives by using students Study guides	First 5 minutes			
Step 2	Step 2 Asking students pre-planned questions from previous teaching session to develop co-relation (these questions will be standardized)				
Step 3	Step 3 Students divided into groups of three and allocation of learning objectives				
Step 4	Step 4 ACTIVITY: Students will discuss the learning objectives among themselves				
Step 5	Step 5 Each group of students will present its learning objectives				
Step 6	Discussion of learning content in the main group	30min			
Step 7	Step 7 Clarification of concept by the facilitator by asking structured questions from learning content				
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 = Textbook (page no), web
   site
- Assessment:

i Will be online on LMS (Mid module/ end of Module)

ii.OSPE station

#### **Case Based Learning (CBL)**

- It's a learner centered model which engages students in discussion of specific scenarios that typically resemble 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.

#### **Problem Based Learning (PBL)**

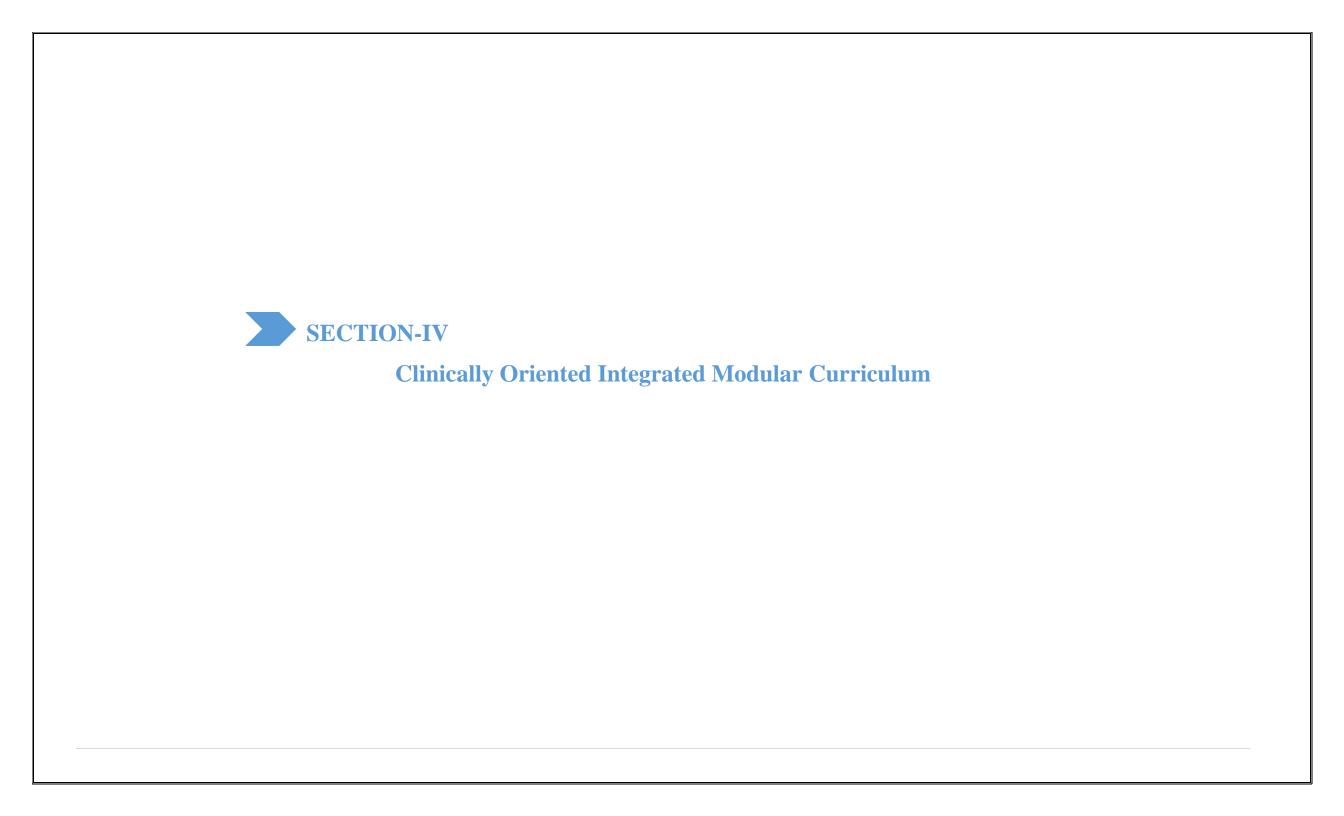
- Problem-based learning (PBL) is a student-centered approach in which students learn about a subject by working in groups to solve an open-ended problem.
- This problem is what drives the motivation and the learning.

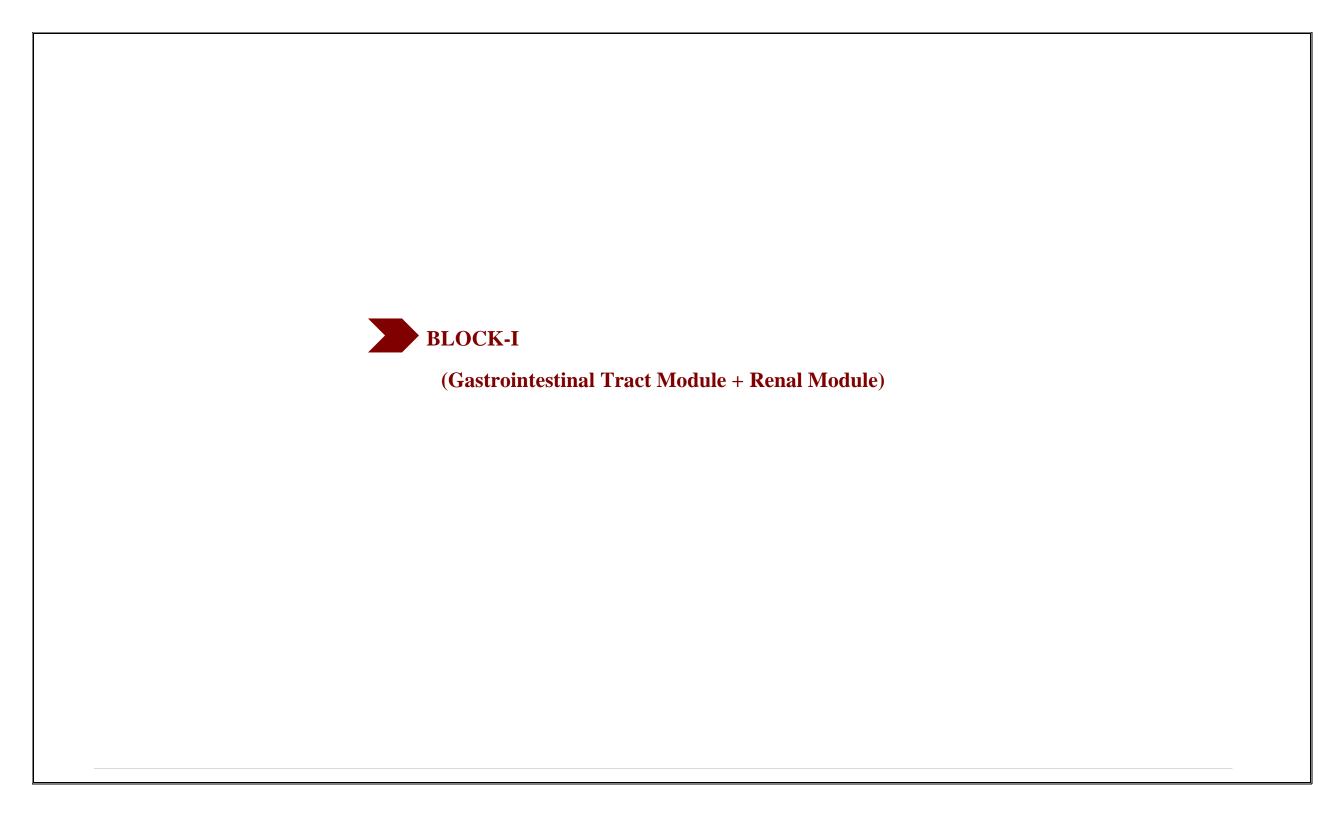
The 7- Jump-Format of PBL (Maastricht Medical School)							
Step 7 Synthesize & Report							
Step 6 Collect Information from outside							
Step 5 Generate learning Issues							
Step 4	Discuss and Organize Ideas						
Step 3	Brainstorming to Identify Explanations						
Step 2	Define the Problem						
Step 1 Clarify the Terms and Concepts of the Problem Scenario							
	Problem- Scenario						

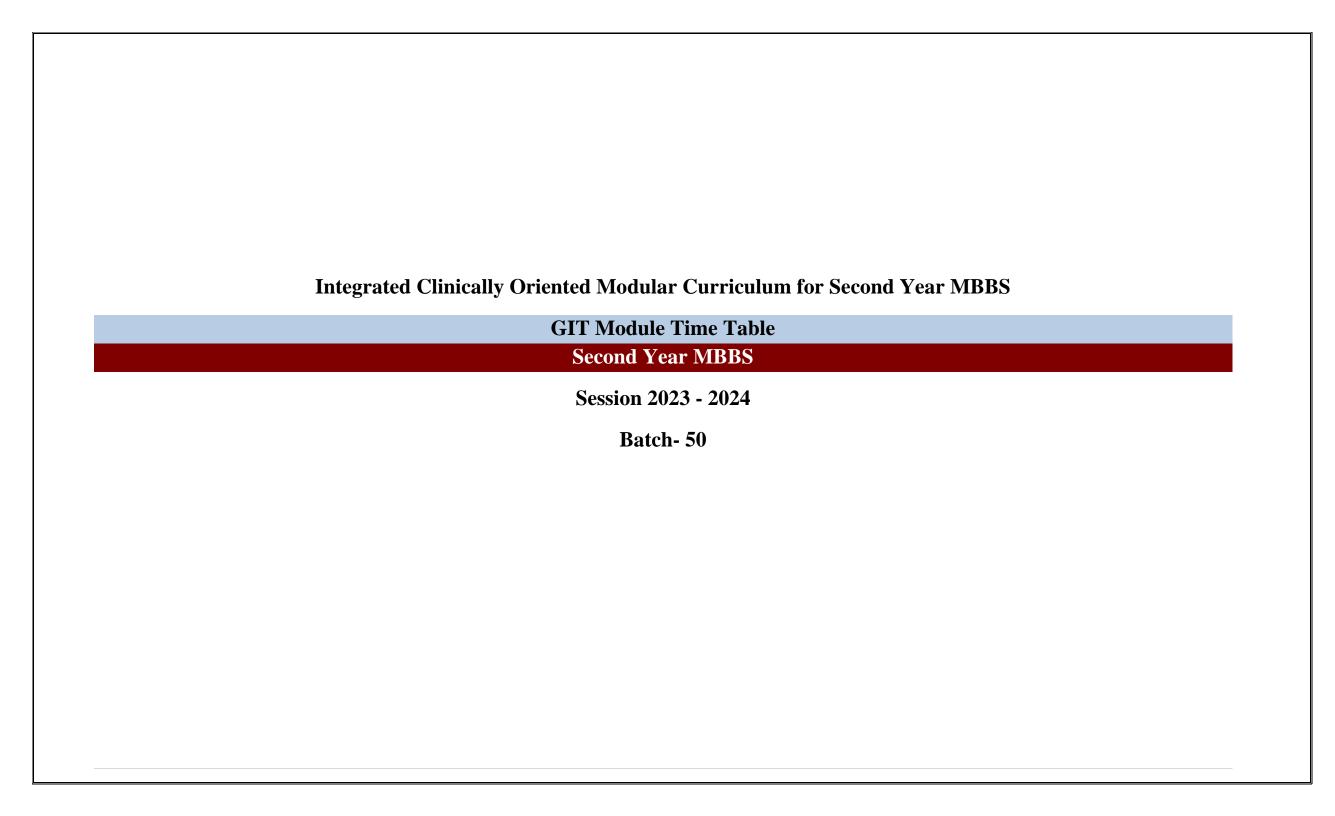
Figure 2. PBL 7 Jumps Model

## Practical Sessions/Skill Lab (SKL)

Practical Session/ Skill Lab (SKL)						
Demonstration/ power point presentation 4-5 slide	10-15 minutes					
Practical work	25-30 minutes					
Write/ draw and get it checked by teacher	20-25 minutes					
05 mcqs at the end of the practical	10 minutes					
At the end of module practical copy will be signed by head of	department					
At the end of block the practical copy will be signed by						
Head of Department						
Dean						
Medical education department						
QEC						







#### **GIT Module Team**

Module Name : GIT Module

Duration of module : 06 Weeks

Sciences

Medicine

Focal Person Community

Focal Person Family Medicine Dr. Sadia Khan

Focal Person Quran

**Translation Lectures** 

Coordinator : Dr. Uzma Kiyani Co-coordinator : Dr. Minahil Haq Reviewed by : Module Committee

Dr. Afifa kalsoom

Dr. Uzma Zafar

Modul	e Committee	Module Task Force Team			
Vice Chancellor RMU	Prof. Dr. Muhammad Umar	Coordinator	Dr. Uzma Kiyani (Senior Demonstrator of Physiology)		
Director DME	Prof. Dr. Rai Muhammad Asghar	DME Focal Person	Dr. Sidra Hamid (DHPE)		
Convener Curriculum	Prof. Dr. Naeem Akhter	Co-coordinator	Dr. Shazia Nosheen (Senior Demonstrator of Physiology)		
Chairperson Anatomy &	Prof. Dr. Ayesha Yousaf	Co-Coordinator	Dr. Minahil Haq (Senior Demostrator of Anatomy)		
Dean Basic Sciences					
Additional Director DME	Prof. Dr. Ifra Saeed	Co-coordinator	Dr. Uzma Zafar (APWMO of Biochemistry)		
Chairperson Physiology	Prof. Dr. Samia Sarwar				
Chairperson Biochemistry	Dr. Aneela Jamil	DMI	E Implementation Team		
		Director DME	Prof. Dr. Rai Muhammad Asghar		
Focal Person Anatomy	Dr. Maria Tasleem	Implementation Incharge 1st & 2 <sup>nd</sup> Year	Prof. Dr. Ifra Saeed		
Second Year MBBS		MBBS & Add. Director DME			
Focal Person Physiology	Dr. Sidra Hamid	Module planner & Implementation	Dr. Sidra Hamid		
		Coordinator			
Focal Person Biochemistry	Dr. Aneela Jamil	Editor	Muhammad Arslan Aslam		
Focal Person Pharmacology	Dr. Zunera Hakim				
Focal Person Pathology	Dr. Asiya Niazi				
Focal Person Behavioral	Dr. Saadia Yasir				

## **Discipline Wise Details of Modular Content**

Block	Module	General Anatomy	Embryology	Histology	Gross Anatomy
	Anatomy	-	Tongue, Body	Digestive	Oral Cavity, Abdomen and associated visceras
			Cavities,	Tract &	
			Gastrointestinal	associated	
			System	organs	
				(Junqueira)	
	Biochemistry	·	•		n, GIT Hormones LFTs, Jundice & Nutrition,
	Physiology	General Principles of Gastrointestinal F	-	, Nervous Cont	trol, and Blood Circulation
		Propulsion and Mixing of Food in the A	•		
		Secretory Functions of the Alimentary		nd Absorption in	n the Gastrointestinal Tract
		Physiology of Gastrointestinal Disorder			
1		<u>.                                      </u>	rientation Session		
1	Department of Medical	Orientation Session on Curricular Re			2023
	Education (DME)	Student Session on Standardization of		gies	
			Spiral Courses		
	The Holy Quran Translation	The Holy Quran Translation Component			
		Imaniat I			
		Ibadat I			
		Ibadaat-II			
		Imaniyaat-II			
		Ibadaat-III			
		Imaniat-III			
	Pak Studies/Islamiyat	Tehreek-E-Pakistan Islaahi Tehreeka	nin		
		Akhirat-I			
		• Toheed			
		<ul> <li>Qayam e Pakistan, Aghraaz o Maqas</li> </ul>	sid		
		• Tehreek-e-Aligarh, Sir Syed Ahmad	Khan		
		Akhirat -II			
	Bioethics & Professionalism	• Pakistan Medical & dental council C	Code of Ethics		
	Research (IUGRC)	• Introduction to descriptive statistics	(Research-I)		
		• Classification of different types of D			
		• Scales of Data measurement (Resear	•		
		Measures of central Tendency (Rese	,		

<ul> <li>Compute &amp; Interpret measures of central tendency (Research-V)</li> <li>Measure of dispersion/ Secondary data Analysis (Research-VI)</li> </ul>				
Radiology & Artificial	Medical imaging of abdomen- I			
Intelligence	Medical imaging of abdomen-II			
Family Medicine	Common Abdominal diseases			
Behavioral Sciences	Eating Disorders			

#### Vertical Integration

#### Clinically content relevant to GIT module

- Concept of health & disease (Community medicine)
- Epidemiology of infectious diseases & Basic Concepts (Community medicine)
- Peptic ulcer (Medicine)
- Jaundice (Medicine)
- Irritable Bowel Syndrome (Medicine)
- Antidiarrheal drugs & drugs for Peptic Ulcer Disease (Pharmacology)
- Acute & Chronic Diarrhea (Pediatrics)
- Common GIT problems in pregnancy (Hyperemesis gravidarum, GERD, Constipation, hemorrhoids) (Gynae and OBS)

## **Categorization of Modular Content**

### **Anatomy:**

CATEGORY A	CATEGORY B					
Special Embryology	Special Histology	Demonstrations	Practical's	CBL	SSDL	SDL
Development Of - Tongue, - Salivary Glands - Esophagus & Stomach - Liver - Gallbladder & Pancreas - Small Intestine - Large Intestine	Histological Features Of - Tongue, - Salivary Glands -General Structure of GIT - Esophagus & Stomach - Liver - Gallbladder & Pancreas - Small Intestine - Large Intestine	Gross Anatomy:  -Topographical Organization Of GIT  -Oral Cavity -Tongue  - Salivary Glands -Anterolateral Abdominal Wall -Rectus Sheath -Inguinal Region & Hernias  - Testes -Scrotum -Peritoneum & Peritoneal Cavity -Subdivisions of Peritoneal Cavity -Esophagus -Stomach -Small & Large Intestines -Liver -Gallbladder -Biliary Apparatus -Spleen -Pancreas -Vasculature of GIT -Portosystemic Anastomosis -Rectum -Anal Canal -Innervation of Abdominal Viscera	<ul> <li>Histology of Tongue &amp; Salivary glands</li> <li>Esophagus &amp; Stomach</li> <li>Liver &amp; Gallbladder</li> <li>Small Intestine</li> <li>Large Intestine</li> </ul>	<ul> <li>Acute Appendicitis</li> <li>Liver &amp; Portal Hypertension</li> </ul>	<ul> <li>Subdivission of Pretonial Cavity</li> <li>Liver-II (Functional Sagments)</li> <li>Spleen</li> <li>Pancrease</li> </ul>	<ul> <li>Anteriolateral Abdominal Wall</li> <li>Rectus Sheath</li> <li>Peritoneum &amp; Peritoneal Cavity</li> <li>Small Intestine</li> <li>Large Intestine</li> <li>Liver &amp; Pancrease</li> <li>Blood Supply, Venous drainage, Lymphatic drainage</li> <li>Rectum &amp; Anal Canal</li> <li>Innervation of Abdominal Vessras</li> </ul>
	Development of Body Cavities Histology Of					
A-4A. Des Des Conse	Liver					

Category A: By Professors

Category B: By Associate & Assistant Professors

Category C: By Senior Demonstrators

## **Teaching Staff / Human Resource of Department of Anatomy**

Sr. #	Designation of Teaching Staff / Human Resource	Total Number of Teaching Staff
1.	Professor of Anatomy department	01
2.	Assistant professor of Anatomy department (AP)	01
3.	Demonstrators of Anatomy department	04

## **Contact Hours (Faculty)**

Sr. #	Hours Calculation for Various Type of Teaching	Total Hours
	Strategies	
1.	Large Group Interactive Session (LGIS)	38 hours
2.	Small Group Discussions (SGD)	31 hours
	Supervised Self-Directed Learning (SSDL)	6 hours
3.	Practical / Skill Lab	37.5 hours

## **Contact Hours (Students)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	19 hours
2.	Small Group Discussions (SGD) Supervised Self-Directed Learning (SSDL)	31 hours 6 Hours
3.	Practical / Skill Lab	7.5 hours
4.	Self-Directed Learning (SDL)	20 hours

## Physiology:

Category A	Category B	Category C
Introduction to GIT, electrical activity in GIT,	Saliva and mastication, stages of swallowing, clinical	PBL:
Enteric Nervous System and GIT reflexes ( <b>Dr.</b>	disorders of esophagus and swallowing, achalasia and	
Samia Sarwar)	vomiting (Dr. Shazia)	
Small intestine motility and malabsorption	Movements of GIT, control of GIT motility and	CBL:
(sprue, paralytic ileus and Crohn's disease) (Dr.	factors affecting GIT blood flow, hormones of GIT	Peptic Ulcer
Samia Sarwar)	(Dr. Aneela)	Food poisoning
	Motor functions of stomach, physiology of regulation	Practical:
	of gastric emptying (Dr. Shazia)	Sense of taste
		Sense of smell
		Examination of superficial reflexes (CNS)
		Examination of deep reflexes
		Performance of axon reflex (triple response of skin)
	Physiology of liver and gall bladder, liver and biliary	SGD:
	secretion(Dr. Aneela)	Saliva and mastication, stages of swallowing, clinical disorders of esophagus and
		swallowing, achalasia and vomiting
		Motor functions of stomach, physiology of regulation of gastric emptying
		Physiology of liver and gall bladder, liver and biliary secretion
	Gastric secretion, digestion in stomach, peptic ulcer	SDL:
	and gastritis (Dr. Shazia)	Introduction to GIT, electrical activity in GIT, Enteric Nervous System and GIT
	Liver function tests, types of jaundice,	reflexes
	pathophysiology of cirrhosis and portal hypertension	Gastric secretion, digestion in stomach, peptic ulcer and gastritis
	(Dr. Aneela)	Small intestine motility and malabsorption (sprue, paralytic ileus and Crohn's
	Intestinal secretion and its functions, pancreatic juice,	disease)
	its composition and functions, pancreatitis, overall	Intestinal secretion and its functions, pancreatic juice, its composition and
	mechanism of digestion and absorption of intestine	functions
	(amino acids, fatty acids and glucose) (Dr. Aneela)	Pancreatitis, overall mechanism of digestion and absorption of intestine (amino
	Motor function of large gut, defecation reflex and	acids, fatty acids and glucose)
	pathophysiology (diarrhea, constipation, ulcerative	Motor function of large gut, defecation reflex
	colitis, mega colon and carcinoma of colon) (Dr.	Pathophysiology (diarrhea, constipation, ulcerative colitis, mega colon and
	Shazia)	carcinoma of colon)
Category A: By HOD and Associate Professor		

Category B: By All (HOD, Associate, Assistant, Senior Demonstrators)
Category C: By Demonstrators and Residents

## **Teaching Staff / Human Resource of Department of Physiology**

Sr. #	Designation Of Teaching Staff / Human Resource	Total Number of Teaching Staff			
1.	Professor of physiology department	01			
2.	Associate professor of physiology department	01			
3.	Assistant professor of physiology department (AP)	01 (DME)			
4.	Demonstrators of physiology department	07			
5.	Residents of physiology department (PGTs)	08			

## **Contact Hours (Faculty) & Contact Hours (Students)**

Sr. #	Hours Calculation for Various Type oTeaching Strategies	Total Hours
1.	Large Group Interactive Session (Lectures)	22 hours
2.	Small Group Discussions (SGD)/CBL	38.5 hours
3.	Problem Based Learning (PBL)	2.5 hours
4.	Practical / Skill Lab	38.5 hours
5.	Self-Directed Learning (SDL)	17 hours

### **Biochemistry:**

CAMPROON	CAMPROOPER	CATEGORY C
CATEGORY A	CATEGORY B	CATEGORY C
Introduction to Carbohydrate metabolism	Saliva	PBL: GERD (Gastroesophageal Reflux
		Disease)
Glycolysis	Gastric Juice	CBL: G6PDH Deficiency
Fate of Pyruvate		Lactose Intolerance
Gluconeogenesis	Bile & Pancreatic Juice	Practical: Saliva
Metabolism of Individule sugars		Bile
		Analysis Of Food Components (Wheat)
TCA cycle	Nutrition	SGD: Gluconeogenesis and Its Regulation
Glycogen metabolism	GIT Hormones & Succus Entericus	Jaundice And LFTs
LFTS, Jaundice		
Digestion And Absorption of Carbohydrates, Proteins and Lipids		
	1	

Category A\*: By Assistant Professor & Senior Demonstrators with Postgraduate Qualification

Category B\*\*: By Senior Demonstrators

Category C\*\*\*: By Senior Demonstrators & Demonstrators

## **Teaching Staff / Human Resource of Department of Biochemistry**

Sr. #	Designation of Teaching Staff / Human Resource	Total Number of Teaching Staff
1	Assistant Professor of Biochemistry Department (AP)	01
2	Demonstrators of Biochemistry Department	06

## **Contact Hours (Faculty) & Contact Hours (Students)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours (Faculty)	Total Hours (student)
1.	Large Group Interactive Session (LECTURES)	20 hours	10 hours
2.	Small Group Discussions (SGD)	38 hours	7.5 hours
4.	Practical / Skill Lab	38 hours	7.5 hours
5.	Self-Directed Learning (SDL)	4 hours	05 hours

## **Time Table for GIT Module (First Week)**

(26-02-2024 to 02-03-2024)

				(=0		) UZ-UJ-ZUZ <b>-</b>	,				
DATE/DAY	8:00am-9:20am	9:20am	– 10:10am	10:10am – 10:30am	10:30a	m-11:20am	11:20a	ım-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS
		PHYSIO	LOGY LGIS		DM	E (LGIS)	BIOCHE	MISTRY LGIS	•	DISSECTION/SGD	
26-02-2024 MONDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	Introduction to GIT Electrical Activity in GIT, Enteric Nervous System & GIT Reflexes	Saliva &Mastication, Stages ofSwallowing, Clinical DisordersofEsophagus &Swallowing, Achalasia & Vomiting		Reform RMU	ssion on Curricular & Feedback of Year 2023	Introduction to Carbohydrate Metabolism	Saliva		Topographical Organization of GIT Refere to Table No. 1	SDL Physiology Enteric Nervous System
		Prof. Dr. Samia Sarwar / Dr. Aneela (Even)	Dr Shazia (Odd)		Prof Ifra Saeed (Even)	(Odd)	Dr Uzma Zafar (Even)	Dr. Almas (Odd)			
			LOGY LGIS	4	ANAT	OMY LGIS	ВІОСНЕ	MISTRY LGIS		DISSECTION/SGD	
27 (12) 2(12)	Practical &CBL/SGD Topic & Venue Mentioned at The End	Saliva & Mastication, Stages of Swallowing, Clinical Disorders of Esophagus & Swallowing, Achalasia &Vomiting	Introduction to GIT Electrical Activity in GIT, Enteric Nervous System & GIT Reflexes	e a k	Development of Tongue	Histology of Tongue	Carbohydrate Metabolism	Saliva	e a k	Oral Cavity, Tongue and Salivary Glands Refere to Table No.	SDL Physiology GIT Reflexes
		Dr Shazia (Even)	Prof. Dr. Samia Sarwar / Dr. Aneela (Odd)	<b>=</b>	Prof. Dr Ifra (Even)	Ass. Prof. Dr Maria (Odd)	Dr Uzma Zafar (Odd)	Dr. Almas (Even)	<b>_</b>		
		BIOCHEN	MISTRY LGIS	$\square$	ANAT	OMY LGIS	DM	E (LGIS)	$\mathbf{B}$	DISSECTION/SGD	
28-02-2024 WEDNESDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	Metabolism of Monosaccharide & Disaccharide (Fructose, Lactose, Galactose)	Glycolysis		Histology of Tongue	Development of Tongue	Student Session on Standardization of Teaching Stratigies & feedback of year 2024 with Worthy Vice Chancellor			Anterolateral Abdominal Wall	SDL Biochemistry Glycolysis
		Dr. Aneela (Even)	Dr Uzma Zafar (Odd)		Ass. Prof. Dr Maria (Even)	Prof. Dr Ifra (Odd)	Dr. Sidra Hamid (Even)	Dr. Rizwana Shahid (Odd)		Refere to Table No.1	
		COMMUNITY	MEDICINE LGIS		ANAT	OMY LGIS	BIOCHE	MISTRY LGIS		DISSECTION/SGD	
29-02-2024 THURSDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	Concept of Health & Disease	Epidemiology of Infectious Diseases& Basic Concepts		Development of Salivary Glands		Glycolysis	Metabolism of Monosaccharide & Disaccharide (Fructose, Lactose, Galactose)		Rectus Sheath Refere to Table No.1	SDL Anatomy Anterolateral Abdominal Wall
	5.00 = 0.00	Dr. Rizwana Shahid (Even)	Dr. Asif (Odd)		Prof. Dr Ifra (Even)	Ass. Prof. Dr Maria (Odd)	Dr Uzma Zafar (Even)	Dr. Aneela (Odd)			
	8:00-9:00AM	9:00-	10:00AM		10:00-11:00A	M	11:00	)-12:00PM			
	ANATOMY LGIS	BIOCHEN	MISTRY LGIS	Q	URAN TRANSL	ATION I	COMMUNIT	Y MEDICINE LGIS			
01-03-2024 FRIDAY	Histology Salivary Glands Development Of Salivary Glands	Fate of Pyruvate	Gluconeogenesis	Imania	t I	Ibadat I	Epidemiology of Infectious Diseases Basic Concepts	Concept of Health & Disease			
	Ass. Prof. Dr Prof. Dr Ifra Maria (Even) (Odd)	Dr Uzma Zafar (Even)	Dr. Aneela (Odd)	Mufti Naeem (Ever	1)1	Fahd Anwar (Odd)	Dr. Asif (Even)	Dr. Rizwana Shahid (Odd)			
		BEHAVIOR	RAL SCIENCES	10:10am – 10:30am	PBL S	ESSION – I					
02-03-2024 SATURDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	Eating	Disorders	eak	Team Leader	ESSION – I r Dr. Sidra Hamid		Election	ıs		SDL Anatomy Rectus Sheath
		Dr. Sadia Yasir (Even)	Dr. Zona Tahir (Odd)	Br		tch Teachers Of 2 <sup>nd</sup> Year					

				T-1.1. N.	1 /T' 1	2.20	2.00							
Potob D	istributio	n for Practical	Topics for Skill I ab with Vanua	Table No.	1 (11me: 1	2:20 pm - 02		Jula for Practice	1 / <b>C</b> mol1	Croup Disgue	eion.			
	isuibuuo 11 subject		Topics for Skill Lab with Venue	Dov	Histolog	ry Dunatical	1	lule for Practica chemistry				resis la ser	Die	ah amiatur
		*	Histology Of Tongue and Salivary Glands     (Anatomy Histology Practical) Venue-	Day	Histolog	y Practical		ractical	Physiology Practical		Physiology SGD			chemistry SGD
	CBL / Small Group Disscusion (Biochemistry and Physiology)		Histology Lab-Dr Gaiti Ara		Batch	Teacher	Batch	Teacher	Batch	Teacher	Batch	Teacher	Batch	Teacher
(Diocile	(Diochemistry and Thysiology)		Saliva I (Biochemistry Practical) Venue-		Daten	Name	Daten	Name	Daten	Name	Daten	Name	Daten	Name
Sr No	Sr. No Batch Roll No.		Biochemistry Laboratory	Monday	С	Tvairie	В	Dr. Rahat	Е	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
1		01-70	· · · · · · · · · · · · · · · · · · ·	Tuesday	D	a	C	Dr. Nayab	A	Dr. Aneela	B	Dr. Shazia	E	Dr. Almas
1.	A	01-70	• Sense Of Taste (Physiology Practical) Venue – Physiology Lab	Tuesday	D	i Ara		Di. Nayau	А	Di. Allecia	Б	Di. Silazia	E	DI. Allilas
2.	В	71-140	, ,,	Wednesday	Е	Gaiti	D	Dr. Uzma	В	Dr. Shazia	С	Dr. Nayab	A	Dr.
_	_				_	Dr. (					_			Romessa
3.	С	141-210		Thursday	В	Д	A	Dr. Almas	D	Dr. Iqra	D	Dr. Iqra	C	Dr. Nayab
4.	D	211-280		Saturday	A		Е	Dr. Romessa	C	Dr. Nayab	Е	Dr. Kamil	В	Dr. Rahat
5.	E	281-onwards	Topics for SGDs with Venue		Table No. 2	2 Batch Dist	tribution a	nd Venues for A	anatomy !	Small Group l	Disscussi	on SGDs / Dis	sections	
			Physiology SGD: Saliva and	Batches	Ro	ll No	Anato	my Teacher			1	Venue		
			mastication, stages of swallowing,	A	01-120		Dr. Gait	i Ara	New Le	cture Hall Co	mplex 01	1		
			clinical disorders of esophagus and	В	121-240		Dr. Mina	ahil Haq	Anatom	y Lecture Ha	11 04			
	swallowing		swallowing, achalasia and vomiting	С	241 onwa	ards	Dr Sadia	Baqir	Anatom	y Lecture Ha	11 03			
			Saliva Venue - Lecture Hall No 5											
			Biochemistry SGD: Saliva Venue -											

	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions												
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers				
1.	A1	(01-35)	Lecture Hall no.05	Dr. Farhat Jabeen (PGT	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)				
			Physiology	Physiology)				(Basement)					
2.	A2	(36-70)	Lecture Hall #.04 (1st	Prof. Dr. Ifra Saeed	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)				
			Floor Anatomy)	(Professor of Anatomy)				(Basement)					
3.	B1	(71-105)	Anatomy Museum (First	Dr. Afsheen Batool (PGT	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman				
			Floor Anatomy)	Physiology)					(PGT Physiology)				
4.	B2	(106-140)	Lecture Hall no.03 (First	Prof. Dr. Ayesha Yousaf	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)				
			Floor)	(Professor of Anatomy)									
5.	C1	(141-175)	Lecture Hall no.05	Dr. Sidra Hamid (Assitant	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan				
			(Basement)	Professor Physiology)					(Demonstrator Physiology)				
				No PB	L Session	during this	week						

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers New Lecture Hall Complex Lecture Theater # 01

Even Roll Number New Lecture Hall Complex Lecture Theater # 04

# Time Table for GIT Module (Second Week) (04-03-2024 to 09-03-2024)

DATE/DAY	8:00am-9:20am	9:20am –	- 10:10am	10:10am – 10:30am	10:30an	1-11:20am	11:20a	nm-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
		PHYSIOL	OGY LGIS		BIOCHEM	ISTRY LGIS	BIOETHICS LGIS	S & RESEARCH-I LGIS		DISSECTION/SGD	,, g()
04-03-2024 MONDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	Movements of GIT, control of GIT motility and factors affecting GIT blood flow, hormones of GIT	Motor functions of stomach, physiology of regulation of gastric emptying		Gluconeogenesis	Fate Of Pyruvate	Pakistan Medical & Dental Council Code of Ethics	Introduction to Descriptive Statistics		Inguinal Region And Hernias Refere to Table No.1	SDL Physiology Control Of GI Motility & Factors Affecting GIT Blood Flow
		Dr. Aneela (Even)	Dr. Shazia (Odd)		Dr. Aneela (Even)	Dr Uzma Zafar (Odd)	Dr. Sidra Hamid (Even)	Dr. Rizwana Shahid (Odd)			
		PHYSIOLOGY LGIS			ANATO	MY LGIS	BIOCHE	MISTRY LGIS		DISSECTION/SGD	
05-03-2024 TUESDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	Motor functions of stomach, physiology of regulation of gastric emptying	Movements of GIT, control of GIT motility and factors affecting GIT blood flow, hormones of GIT	a k	Development Of Esophagus & Stomach-1	Histology General Structure of GIT & Esophagus	Function Of NADPH & Deficiency of G6PD	Citric Acid Cycle	a k	Testes & Scrotum Refere to Table No.1	SDL Physiology Swallowing
		Dr. Shazia (Even)	Dr. Aneela (Odd)	e :	Prof. Dr Ifra (Even)	Ass. Prof. Dr Maria (Odd)	Dr. Aneela (Even)	Dr Uzma Zafar (Odd)	<b>6</b>		
		PHYSIOL	<u> </u>	ANATO	MY LGIS		•	Br	DISSECTION/SGD		
06-03-2024 WEDNESDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	Physiology of liver and gall bladder, liver and biliary secretion	Gastric secretion, digestion in stomach, peptic ulcer and gastritis	B	Histology General Structure of GIT & Esophagus	Development Of Esophagus & Stomach-1	Disection	Disection & Spotting		Peritoneum & Peritoneal Cavity Refere to Table No.1	SDL Biochemistry TCA Cycle
		Dr. Aneela (Even)	Dr. Shazia (Odd)		Ass. Prof. Dr Maria (Even)	Prof. Dr Ifra (Odd)					
		PHYSIOLOGY LGIS			PHYSIO	LOGY SGD	BIOCHE	MISTRY LGIS		SSDL	
07-03-2024 THURSDAY	Practical &CBL/SGD Topic & Venue Mentioned at The End	Gastric secretion, digestion in stomach, peptic ulcer and gastritis	Physiology of liver and gall bladder, liver and biliary secretion		factors affecting GIT	ntrol of GIT motility and blood flow, hormones of GIT	Citric Acid Cycle	Function of NADPH & Deficiency of G6PD		Sub divisions of Peritoneal Cavity	SDL Anatomy Inguinal Region Canal and Hernias
		Dr. Shazia (Even)	Dr. Aneela (Odd)		SGD Team of Second		Dr Uzma Zafar (Even)	Dr. Aneela (Odd)		Refere to Table No.1	
	8:00-9:00am	9:00-10	0:00am		10:00-11:00a	m		11:00-12:00pm			
	DIGITAL LITRACY MODULE	ANATON	MY LGIS		Quran Translatio	on - II	Q	uran Translation - II			
08-03-2024 FRIDAY	RMU Goes digital	Development of Stomach-2	Histology of Stomach		Ibadaat-2	Imaniyaat-2	Ibadaat-2	Imaniyaat-2			
	Director IT Hafiz Shahid Mr Haider Rasool	Prof. Dr. Ifra (Even)	Ass. Prof. Dr Maria (Odd)	Dr	Dr Fahd (Even) Mufti Naeem Sh (Odd)		Dr Fahd (Odd)	Mufti Naeem Sheraz	zi (Even)		
		RADIOLOGY & INTELLIGE	& ARTIFICIAL ENCE (LGIS)	ㅗ	ANATOMY LGIS BIOCHEMISTRY LGIS		MISTRY LGIS	k	DISSECTION/SGD		
09-03-2024 SATURDAY	Practical &CBL/SGD Topic & Venue Mentioned	Medical Imagin	ng of abdomen-I	reak	Histology Of Stomach	Development of Stomach-2	Glycogen Metabolism	Gastric Juice	rea	Esophagus and	SDL Anatomy Peritoneum &
	at The End	Dr. Qurat ul Ain (Even)	Dr. Aniqua Saleem (Odd)	B	Ass. Prof. Dr Maria (Even)	Prof. Dr. Ifra (Odd)	Dr. Aneela (Even)			stomach Refere to Table No.1	Peritoneal Cavity
			(Odd)		(Even)	(Odd)	(Even)				

				Table No	o. 1 (Time:	12:20pm –	02:00pm)							
Batch D	istributio	n for Practical	Topics for Skill Lab with Venue				Sche	dule for Practica	1 / Small	Group Discuss	sion			
	ıll subject		Histology of Esophagus & Stomach	Day Histology Practical		Biochemistry		Physiology		Ph	ysiology	Biochemistry		
		up Disscusion	(Anatomy Histology Practical) Venue-				F	Practical	P	ractical	SGD		SGD	
(Bioche	mistry an	d Physiology)	Histology lab-Dr Minahil Haq		Batch	Teacher	Batch	Teacher	Batch	Teacher	Batch	Teacher	Batch	Teacher
			Saliva II (Biochemistry Practical)			Name		Name		Name		Name		Name
Sr. No	Batch	Roll No.	Venue- Biochemistry laboratory	Monday	C	Had	В	Dr. Rahat	Е	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
1.	A	01-70	• Sense of Smell (Physiology Practical)	Tuesday	D		C	Dr. Nayab	A	Dr. Aneela	В	Dr. Shazia	Е	Dr. Almas
2.	В	71-140	Venue – Physiology Lab	Wednesday	Е	ahil	D	Dr. Uzma	В	Dr. Shazia	C	Dr. Nayab	A	Dr.
														Romessa
3.	С	141-210		Thursday	В	r Mi:	A	Dr. Almas	D	Dr. Iqra	D	Dr. Iqra	C	Dr. Nayab
4.	D	211-280		Saturday	A	D	E	Dr. Romessa	C	Dr. Nayab	Е	Dr. Kamil	В	Dr. Rahat
5.	E	281-onwards	Topics for SGDs / CBL with Venue		Table No.	2 Batch Dist	tribution a	and Venues for A	Anatomy	Small Group I	Disscussio	on SGDs / Dis	sections	
			Physiology SGD: Motor functions of	Batches	Ro	ll No	Anato	my Teacher	Venue					
			stomach, physiology of regulation of	A	01-120		Dr. Gaiti Ara		New Le	ecture Hall Con	mplex 01			
			gastric emptying Venue: Lecture Hall	В	121-240		Dr. Min	ahil Haq	Anaton	y Lecture Hal	1 04			
			No 5)	C 241 on		ards	Dr Sadia	a Baqir	Anaton	y Lecture Hal	1 03			
			Biochemistry CBL: Glucose 6											
			Phosphate Dehydrogenase Deficiency (Venue: Lecture Hall No 2)											

	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions												
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers				
1.	A1	(01-35)	Lecture Hall no.05	Dr. Farhat Jabeen (PGT	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)				
			Physiology	Physiology)									
2.	A2	(36-70)	Lecture Hall #.04 (1st	Prof. Dr. Ifra Saeed	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)				
			Floor Anatomy)	(Professor of Anatomy)									
3.	B1	(71-105)	Anatomy Museum	Dr. Afsheen Batool (PGT	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman				
			(First Floor Anatomy)	Physiology)					(PGT Physiology)				
4.	B2	(106-140)	Lecture Hall no.03	Prof. Dr. Ayesha Yousaf	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)				
			(First Floor)	(Professor of Anatomy)									
5.	C1	(141-175)	Lecture Hall no.05	Dr. Sidra Hamid (Assitant	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan				
			(Basement)	Professor Physiology)					(Demonstrator Physiology)				
				No P	BL Sessio	on during th	is week						

No PBL Session during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)										
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01									
	r									
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04									
	1									

# Time Table for GIT Module (Third Week) (11-03-2024 to 16-03-2024)

DATE/DAY	8:00am-9:20am	<b>9:20am</b> – 1	10:10am	10:10am – 10:30am	10:30a	m-11:10am	11:1	0am-11:50am		11:50am - 01:00pm	Home Assignme	nts (2HRS)
		PHYSIOLO	GY LGIS		PHYSIO	LOGY SDL-I	ВІОСН	EMISTRY LG	IS	DISSECTION/SGD		
11-03-2024 MONDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & venue	Liver function tests, types of jaundice, pathophysiology of cirrhosisandportalhypertens ion	Small intestine motilityand malabsorption (sprue, paralytic ileus and Crohn's disease)		activity in GIT	to GIT, electrical F, Enteric Nervous d GIT reflexes	Gastric Juice	Glycogen M	letabolism	Small intestine (Duodenum) Refere to Table No.1	SDL Physic Clinical disorders of & Swallowing., vomitin	of Esophagus Achalasia/
	mentioned at the end	Dr. Aneela (Even)	Prof. Dr. Samia Sarwar / Dr. Shazia (Odd)		Dr. Uzma (Even)	Dr. Fareed (Even)	Dr. Almas (Even)	Dr. Ar (Od				
		PHYSIOLO	GY LGIS	Ī	ANATO	OMY LGIS	RESEARC	H -I & BIOET	HICS	DISSECTION/SGD		
12-03-2024 TUESDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & venue	Small intestine motility and malabsorption (sprue, paralytic ileus and Crohn's disease)	Liver function tests, types of jaundice, pathophysiology of cirrhosis and portal hypertension	a k	Development of Liver & Biliary Apparatus	Histology of Liver	Introduction to descriptive statistics	Pakistan M dental cound Ethi	il Code of	Small intestine (Jejunum & ileum) Refere to Table No.1	SDL Physic Motor function of	
	mentioned at the end	Prof. Dr. SamiaSarwar / Dr. Shazia (Even)	Dr. Aneela (Odd)	r e	Prof. Dr Ifra (even)	Prof Dr. Ayesha / Dr Maria (Odd)	Dr. Rizwana Shahid (Even)	Dr. Sidra (Od				
	D C I	RESEARCE	<b>m</b>		OMY LGIS		EMISTRY LG		DISSECTION/CBL			
13-03-2024 WEDNESDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD	Classification of diff	erent types of data		Histology of Liver	Development of Liver & Biliary Apparatus	LFT's Jaundice	Bile & panci	reatic juice	Liver-I CBL- Liver & portal	SDL Biochemistry Glycogen Metabolism	
W EDNESDA I	Topic & venue mentioned at the end	Dr. Rizwana Shahid (Even)	Dr. Asif (Odd)		Prof Dr. Ayesha / Dr Maria (even)	Prof. Dr Ifra (Odd)	Dr. Nayab (Even)	Dr. Al (Od		Hypertension Refere to Table No.1	, , , , , , , , , , , , , , , , , , , ,	
	Practical	ANATO				CINE LGIS		SESSION – II		SSDL		
14-03-2024	(Supervised by Prof Ifra Saeed)	Development of Gallbladder & Pancreas	Histology of Gallbladder & Pancreas			e Art Lecture On undice		SESSION – II ler Dr. Sidra Hamid		Liver II (Functional	SDL Anat	
THURSDAY	&CBL/SGD Topic & venue mentioned at the end	Prof Dr Ifra (Even).	Ass. Prof. Dr Maria (Odd)		Prof. Dr. M	ice Chancellor uhammad Umar	Physiology Batch Teachers Of 2 <sup>nd</sup> Year			Sagment) Refere to Table No.1	Small Inte	stine
	8:00-9:00AM	9:00-10:			10:00-11:00A			00-12:00PM				
17.02.2021	DISSECTION	ANATOM			RAN TRANSLA	TION-III	QURAN T	TRANSLATIO	N-III			
15-03-2024 FRIDAY	Dissection / Spotting	Histology Of Gallbladder & Pancreas	Development Of Gallbladder &Pancreas		daat-3	Imaniat-3	Imaniat-3	Ibada	at-3			
	Dissection / Spotting	Ass. Prof. Dr Maria (Even)	Prof Dr Ifra (Odd)	Dr. Fahd Anv		Mufti Naeem Sherazi (Odd)	Mufti Naeem Sherazi (Even)	Dr. Fahd Anw				
		PHYSIOLO	GY LGIS	<u>I</u>	ANATO	OMY LGIS	PAK STU	DIES/ISLAMI	YAT	SDL EVALUATION	DISSECTION/SGD	
16-03-2024 SATURDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & Venue	Intestinal secretion and its functions, pancreatic juice, its composition and functions, pancreatitis, overall mechanism of digestion and absorption of intestine (amino acids, fatty acids and glucose	Motor function of large gut, defecation reflex and pathophysiology (diarrhea, constipation, ulcerative colitis, mega colon and carcinoma of colon)	Break	Development Of Small Intestine	Histology Of Small Intestine	Tehreek-E- Pakistan Islaahi Tehreekain	Akhi Akhrt rat-I -I	TehreekE- Pakistan Islaahi Tehreekn	SDL Evaluation	Gallbladder & Biliary Apparatus	SDL Anatomy Large Intestine Online
	Mentioned at The End	Dr Aneela (Even)	Dr Shazia (Odd)		Prof Dr Ifra (Even)	Ass. Prof. Dr Maria (Odd)	Qari Aman Ullah (Even)	Mufi Naeem Sherazi (Odd) (Even)	Qari Aman Ullah (Odd)			SDL Evaluation

	Table No. 1 (Time: 12:20pm – 02:00pm)														
Batch D	Distributio	on for Practical		Topics for Skill Lab with Venue	1 4010 1 10	(11110)	12.20 piii	1 /	dule for Practic	al / Smal	l Group Discus	ssion			
Skills (a	all subject	ts)	•	Histology of Liver & Gall Bladder	Day Histology Practical		Biochemistry		Physiology		Physiology		Biochemistry		
		up Disscusion		(Anatomy Histology Practical)				P	ractical	P	ractical		SGD		SGD
(Bioche	emistry an	d Physiology)		Venue-Histology Laboratory-Dr Sadia		Batch	Teacher	Batch	Teacher	Batch	Teacher	Batch	Teacher	Batch	Teacher
				Baqir			Name		Name		Name		Name		Name
Sr. No	Batch	Roll No.	•	Bile (Biochemistry Practical) Venue-	Monday	C	:H	В	Dr. Rahat	Е	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
1.	A	01-70		Biochemistry Laboratory	Tuesday	D	Saqir	C	Dr. Nayab	A	Dr. Aneela	В	Dr. Shazia	Е	Dr. Almas
2.	В	71-140	•	Examination of Superficial Reflexes	Wednesday	Е	аЕ	D	Dr. Uzma	В	Dr. Shazia	С	Dr. Nayab	A	Dr.
				(Physiology Practical) Venue –	-		adi								Romessa
3.	C	141-210		Physiology Lab	Thursday	В	r S	A	Dr. Almas	D	Dr. Iqra	D	Dr. Iqra	C	Dr. Nayab
4.	D	211-280			Saturday	A	Ω	Е	Dr. Romessa	C	Dr. Nayab	Е	Dr. Kamil	В	Dr. Rahat
5.	Е	281-onwards		Topics for SGDs / CBL with Venue	,	Table No.	2 Batch Dis	stribution a	and Venues for	Anatomy	Small Group	Disscussi	on SGDs / Di	ssections	
			•	Physiology CBL: Peptic Ulcer	Batches	Ro	ll No	Anato	my Teacher			7	<sup>7</sup> enue		
				(Venue: Lecture Hall No 5)	A	01-120		Dr. Gait	i Ara	New Le	ecture Hall Co	mplex 01			
			•	Biochemistry SGD: Gluconeogenesis	В	B 121-240		Dr. Mina	ahil Haq	Anaton	ny Lecture Hal	1 04			
				and Its Regulation (Venue: Lecture	С	241 onw	ards	Dr Sadia	ı Baqir	Anatomy Lecture Ha					
	Hall No 2)								-						<u> </u>

	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions												
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers				
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT Physiology)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)				
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Prof. Dr. Ifra Saeed (Professor of Anatomy)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)				
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Afsheen Batool (PGT Physiology)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)				
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)				
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Sidra Hamid (Assitant Professor Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)				
	No PBL Session during this week												

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers New Lecture Hall Complex Lecture Theater # 01

Even Roll Number New Lecture Hall Complex Lecture Theater # 04

• Anatomy CBL: Liver and Portal

Hypertension

# Time Table for GIT Module (Fourth Week) (18-03-2024 to 23-03-2024)

			,		- 1 00 20 00 2	o <b>_</b> -)				
DATE/DAY	8:00am-9:20am	9:20am	ı – 10:10am	10:10am – 10:30am	10:30a	nm-11:10am	11:10a	m-11:50am	11:50am -01:00pm	Home Assignments(2HRS)
		PHYSIO	LOGY LGIS		ANAT	OMY LGIS	PHYSIO	LOGY SDL-II	SSDL	
18-03-2024 MONDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & Venue Mentioned at The End	Motor function of large gut, defecation reflex and pathophysiology (diarrhea, constipation, ulcerative colitis, mega colon and carcinoma of colon)	Intestinal secretion and its functions, pancreatic juice, its composition and functions, pancreatitis, overall mechanism of digestion and absorption of intestine (amino acids, fatty acids and glucose)		Histology Of Small Intestine	Development Of Small Intestine		, digestion in stomach, eer and gastritis	Spleen	SDL Physiology Physiology of Liver / Gall Bladder, Liver and Biliary Secretion
		Dr Shazia (Even)	Dr Sidra Hamid (Odd)	k	Ass. Prof. Dr. Maria (Even)	Prof. Dr. Ifra(Odd)	Dr. Shazia (Even)	Dr. Sheena (Even)		
	Donatical (Communication Donat	BIOCHEMISTRY LGIS			RESEAL	RCH-III LGIS	PHYSIO	LOGY SDL-III	SSDL	
19-03-2024 TUESDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & Venue Mentioned at The	Bile & Pancreatic Juice	LFT's Jaundice	e a	Scales of D	ata Measurement		ility and malabsorption us and Crohn's disease)	Pancreas	SDL Physiology LFTs, Jaundice
TOESDAT	End	Dr. Almas (Even)	Dr. Nayab (Odd)	Вг	Dr. Rizwana Shahid (Even)	(Odd)	Dr Uzma (Even)	Dr. Fareed (Odd)		Li 18, Jaundice
	Practical (Supervised by Prof	FAMILY M	EDICINE LGIS	$\blacksquare$		LOGY SDL-IV		OMY LGIS	CBL	
20-03-2024 WEDNESDAY	Ifra Saeed) & CBL/SGD Topic & Venue Mentioned at The	Common Ab			nd its functions, pancreatic osition and functions	Development of Large Intestine	Histology of Large Intestine I	Large intestine CBL- Acute	SDL Biochemistry Individual Sugars	
WEDNESDAT	End	Dr. Sadia (Even)	Dr. Ishtiaq (Odd)		Dr. Shazia (Even)	Dr. Sheena (Odd)	Prof. Dr. Ifra (Even) Prof Dr. Saima (Odd)		Appendicitis	
	Practical (Supervised by Prof	BIOCHEN		ANAT	OMY LGIS	RESEARCH-IV		DISSECTION/ SGD		
21-03-2024 THURSDAY	Ifra Saeed) & CBL/SGD Topic & Venue Mentioned at The	Nutrition-I	Nutrition-I GIT Hormones & Succusentericus		Histology of Large Intestine-I	Development of Large Intestine	Measures of central tendency		Vasculature of GIT (Blood Supply,	SDL Anatomy Liver and Pancreas
HIOKSDAT	End	Dr. Rahat (Even)	Dr. Almas (Odd)		Prof Dr. Saima (Even)	Prof. Dr. Ifra (Odd)	Dr. Rizwana Shahid (Even)	Dr. Asif (Odd)	Venous drainage, Lymphatic drainage)	
	8:00am 9: 20am	9:20an	ı - 10:00am		10:00-11:00a	m	11:0	)-12:00pm		
					PAK STUDII	ES	ISLA	MIYAT-I		
22-03-2024 FRIDAY	Practical & CBL / SGD Topic & Venue Mentioned at The End	Physic	al Activity	(	ayam e Pakistan, Aghra	az o Maqasid	1	Toheed	SDL A (Blood Supply, Venous dra	
	End	Thysical reality			Qari Aman Ul	lah	Mufti Naee	em Sherazi (Odd)		
23-03-2024 SATURDAY					Pakistan D	Day				

	Table No. 1 (Time: 12:20pm – 02:00pm)														
Batch D	istributio	on for Practical		Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion										
Skills (a			•	Histology of Small Intestine (Anatomy	Day	Histolog	y Practical		chemistry	Physiology		Physiology		Biochemistry	
CBL / S	mall Gro	oup Disscusion		Histology Practical) Venue-Histology				P	ractical	P	ractical		SGD	SGD	
(Bioche	mistry an	d Physiology)		laboratory-Dr Tariq Furqan		Batch	Teacher	Batch	Teacher	Batch	Teacher	Batch	Teacher	Batch	Teacher
			•	Estimation of ALT & ALP (wheat)			Name		Name		Name		Name		Name
Sr. No	Batch	Roll No.		(Biochemistry Practical) Venue-	Monday	C	an	В	Dr. Rahat	Е	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma
1.	A	01-70		Biochemistry laboratory	Tuesday	D	ırq	C	Dr. Nayab	A	Dr. Aneela	В	Dr. Shazia	Е	Dr. Almas
2.	В	71-140	•	Examination of Deep reflexes	Wednesday	Е	<u> </u>	D	Dr. Uzma	В	Dr. Shazia	C	Dr. Nayab	A	Dr.
				(Physiology Practical) Venue –			arric								Romessa
3.	C	141-210		Physiology Lab	Thursday	В	Ľ	A	Dr. Almas	D	Dr. Iqra	D	Dr. Iqra	C	Dr. Nayab
4.	D	211-280			Saturday	A	Dı	Е	Dr. Romessa	C	Dr. Nayab	Е	Dr. Kamil	В	Dr. Rahat
5.	E	281-onwards		Topics for SGDs / CBL with Venue	,	Table No.	2 Batch Dis	stribution :	and Venues for	Anatomy	Small Group	Disscussi	ion SGDs / Di	ssections	
			•	Physiology SGD: Physiology of liver	Batches	Ro	ll No	Anato	my Teacher			7	<b>Venue</b>		
				and gall bladder, liver and biliary	A	01-120		Dr. Gait	i Ara	New Le	ecture Hall Con	mplex 01			
				secretion (Venue: Lecture Hall No 5)	В	121-240		Dr. Mina	ahil Haq	Anatomy Lecture Hall 04					
			Biochemistry SGD: Jaundice & LFTs		С	241 onw	ards	Dr Sadia	ı Baqir	Anaton	y Lecture Hal	1 03		-	
				(Venue: Lecture Hall No 2)				•	_			•			
			1	A	1										

• Anatomy CBL: Acute Appendicitis

	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions								
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05	Dr. Farhat Jabeen (PGT	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Maryam (PGT Physiology)
			Physiology	Physiology)					
2.	A2	(36-70)	Lecture Hall #.04	Prof. Dr. Ifra Saeed	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
			(1st Floor Anatomy)	(Professor of Anatomy)					
3.	B1	(71-105)	Anatomy Museum	Dr. Afsheen Batool (PGT	8.	D2	(246-280)	Conference Room (Basement)	Dr. Almas (PBL)
			(First Floor	Physiology)					Dr. Najam-us-Sehar (SGD)
			Anatomy)						
4.	B2	(106-140)	Lecture Hall no.03	Prof. Dr. Ayesha Yousaf	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Muhammad Usman
			(First Floor)	(Professor of Anatomy)					
5.	C1	(141-175)	Lecture Hall no.05	Dr. Nayab (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Rahat (PBL)
			(Basement)						Dr. Fareed Ullah (SGD)
				No P	BL Session	on during th	is week		

Table No. 6 Venues for Large Group Interactive Session (LGIS) New Lecture Hall Complex Lecture Theater # 01 Odd Roll Numbers New Lecture Hall Complex Lecture Theater # 04 **Even Roll Number** 

### Time Table for GIT Module (Fifth Week)

(25-03-2024 to 30-03-2024)

					20 00 2021 00 0					**	
DATE/DAY	8:00am-9:20am	9:20am –	10:10am	10:10am – 10:30am	10:30am	-11:10am	11:10an	n-11:50am	11:50am – 01:00pm	Home Assignments(2HRS	
		PHYSIOLO	GY SDL-V		BIOCHEM	ISTRY LGIS	ANATO	MY LGIS	DISSECTION/SGD		
25-03-2024 MONDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD	fatty acids and glucose)			GIT Hormones & Succusentericus	Nutrition-I	Development of Body Cavities-I	Histology of Large Intestine-II		SDL Physiology Hormones of GIT	
	Topic & venue mentioned at the end	Dr. Uzma (Even)	Dr. Fareed (Odd)		Dr. Almas (Even)	Dr. Rahat (Odd)	Prof Dr. Ifra Saeed (Even)	Prof. Dr. Ayesha / Ass. Prof Dr Maria (Odd)	Radiological Anatomy		
		PHYSIOLO	GY SDL-VI		ANATOMY LGIS		BIOCHEM	IISTRY LGIS	DISSECTION/SGD		
26-03-2024 TUESDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD	Motor function of la refl		<b>~</b>	Histology of Large Intestine-II	Development of Body Cavities-I	Digestion & Absorption-I	Nutrition-II	Rectum	SDL Physiology Digestion & Absorption	
TUESDAY	Topic & venue mentioned at the end	Dr. Shazia (Even)	Dr. Sheena (Odd)	r e a	Prof. Dr. Ayesha / Ass. Prof Dr Maria (Even)	Prof Dr. Ifra Saeed (Odd)	Dr. Kashif (Even)	Dr. Rahat (Odd)	Rectum		
		ANATOM	MY LGIS	$\mathbf{B}_{\mathbf{I}}$	RESEAR	CH (LGIS)	BIOCHEMISTRY LGIS		DISSECTION/SGD	SDL Biochemistry	
27-03-2024 WEDNESDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & venue mentioned at the end	Dody Dody Cavities II Cavities II			SRC (Teamwork	s, Professionalism)	Digestion and absorption-I	Nutrition-II	Anal canal	Lipid Digestion and Absorbstion Online Clinical	
	Topic & venue mentioned at the end	Prof. Dr. Ifra Saeed Prof. Dr. Saima (Evem) (Odd)		Dr. Asif (Even)	Dr. Rizwana Shahid (Odd)	Dr. Kashif (Odd)	Dr. Rahat (Even)		<b>Evaluation</b>		
		PHYSIOLOGY SDL-VII			RESEARCH PRACTICAL SESSION I		BIOCHEMISTRY LGIS		DISSECTION/SGD		
28-03-2024 THURSDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & venue mentioned at the end	Pathophysiology (dia ulcerative colitis, carcinoma	mega colon and of colon)		Synopsis w	rrting session	Digestion & Absorption-II	Nutrition-III	Innervation of abdominal Viscera	SDL Anatomy Rectum & Anal ca	
	Topic & vende includined at the end	Opic & venue mentioned at the end  Dr. Uzma  Dr. Fareed  (Even)  (Odd)			Dr. Asif (Even)	Dr. Rizwana Shahid (Odd)	Dr. Kashif (Even)	Dr. Rahat (Odd)			
	8:00-9:00AM	9:00-10	:00AM		10:00AM-11:00A	AM	11:00AN	I-12:00PM			
	Donatical (Companies des Donat Here	BIOCHEMISTRY LGIS			DISSECTION/S	GD		& ARTIFICIAL ENCE (LGIS)			
29-03-2023 FRIDAY	Practical (Supervised by Prof Ifra Saeed) &CBL/SGD Topic & venue mentioned at the end	Nutrition-III	Nutrition-III Digestion & Absorption-II		Cross Sectional Ana	utomy	Medical Imagii	ng of abdomen-II			
	(Saturday Batch)	Dr. Rahat (Even)	Dr. Kashif (Odd)		2.300 overona . matomy		Dr. Sana Yaqoob (Even)	Dr. Saba Bint e Kashmir (Odd)			
30-03-2023 SATURDAY	Early Clinical Exposure*  (Its Implementation will be explained on Implementation page) *					(Its Implement		ical Exposure* plained on Implem	entation page) *	SDL Anato Innervation abdomina Visceras	

Online LMS Assessment Will be Conducted on 30-03-2024, Saturday at 8:30 pm

	Table No. 1 (Time: 12:20pm – 02:00pm)															
Batch I	Distributio	on for Practical		Topics for Skill Lab with Venue				Sche	dule for Practic	al / Smal	Group Discus	ssion				
Skills (a	all subjec	ts)	•	Histology of Large Intestine (Anatomy	Day	Histolog	y Practical	Bio	chemistry	Physiology		Physiology		Biochemistry		
CBL/S	Small Gro	oup Disscusion		Histology Practical) Venue-Histology				P	ractical	P	ractical	SGD			SGD	
(Bioche	mistry ar	nd Physiology)		laboratory-Dr Gaiti Ara		Batch	Teacher	Batch	Teacher	Batch	Teacher	Batch	Teacher	Batch	Teacher	
			•	Analysis of food components (wheat)			Name		Name		Name		Name		Name	
Sr. No	Batch	Roll No.		(Biochemistry Practical) Venue-	Monday	С	_	В	Dr. Rahat	Е	Dr. Kamil	A	Dr. Aneela	D	Dr. Uzma	
1.	A	01-70		Biochemistry laboratory	Tuesday	D	Ara	С	Dr. Nayab	A	Dr. Aneela	В	Dr. Shazia	Е	Dr. Almas	
2.	В	71-140	•	Performance of Axon reflexes (Triple	Wednesday	Е	iti.	D	Dr. Uzma	В	Dr. Shazia	С	Dr. Nayab	A	Dr.	
				Response of Skin) (Physiology			Ga,								Romessa	
3.	С	141-210		Practical) Venue – Physiology Lab	Thursday	В	Dr	A	Dr. Almas	D	Dr. Iqra	D	Dr. Iqra	С	Dr. Nayab	
4.	D	211-280			Saturday	A	]	Е	Dr. Romessa	С	Dr. Nayab	Е	Dr. Kamil	В	Dr. Rahat	
5.	Е	281-onwards		Topics for SGDs / CBL with Venue	,	Table No.	2 Batch Dis	tribution :	and Venues for	Anatomy	Small Group	Disscuss	ion SGDs / Di	ssections		
			•	Physiology CBL: Food Poisoning	Batches	Ro	ll No	Anato	my Teacher	_		7	Venue			
				(Venue: Lecture Hall No 5)	A	01-120		Dr. Gait	i Ara	New Le	ecture Hall Cor	mplex 01				
			•	Biochemistry CBL: Lactose	В	121-240		Dr. Mina	ahil Haq	Anaton	y Lecture Hal	1 04				
				Intolerance (Venue: Lecture Hall No	С	241 onw	ards	Dr Sadia	n Baqir	Anatomy Lecture Hall 03						
				2)					•		-					

	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions								
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05	Dr. Farhat Jabeen (PGT	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
			Physiology	Physiology)					
2.	A2	(36-70)	Lecture Hall #.04	Prof. Dr. Ifra Saeed	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
			(1st Floor Anatomy)	(Professor of Anatomy)					
3.	B1	(71-105)	Anatomy Museum	Dr. Afsheen Batool (PGT	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman
			(First Floor	Physiology)					(PGT Physiology)
			Anatomy)						
4.	B2	(106-140)	Lecture Hall no.03	Prof. Dr. Ayesha Yousaf	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
			(First Floor)	(Professor of Anatomy)					
5.	C1	(141-175)	Lecture Hall no.05	Dr. Nayab (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan
			(Basement)						(Demonstrator Physiology)

No PBL Session during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)						
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01					
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04					

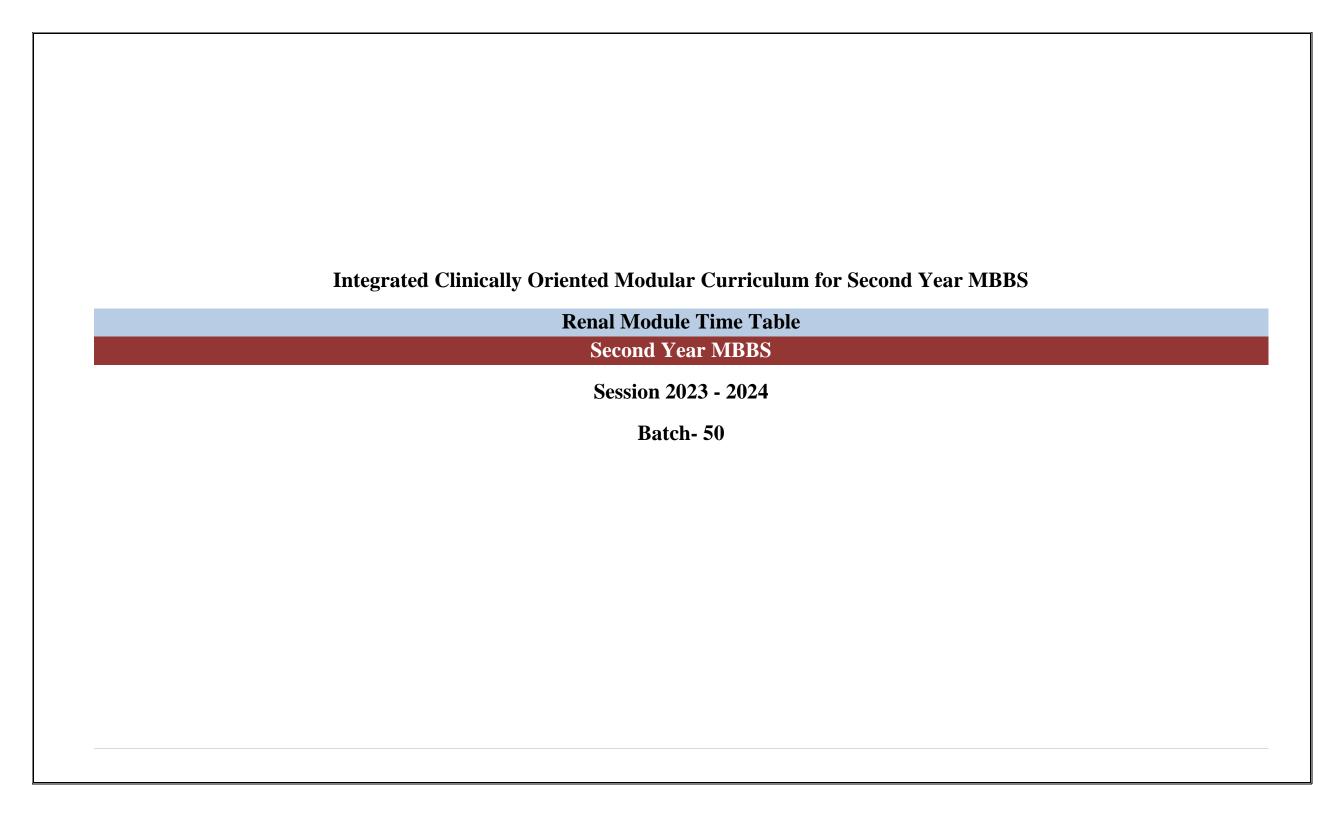
# Time Table for GIT Module (Sixth Week) (01-04-2024 TO 06-04-2024)

Date / Days	Tentative Exam Discipline Details	Time
01-04-2024 Monday	Anatomy Written	08:00am - 11:00am
02-04-2024 Tuesday	Biochemistry Written / Assessment of Clinical Subjects	08:00am - 11:00am
03-04-2024 Wednesday	Physiology Written / Video Assisted Quiz	08:00am - 02:00pm
04-04-2024 Thursday	Anatomy Viva Voce (Roll No 1-120) Physiology Viva Voce (Roll No 121-240) Biochemistry Viva Voce (Roll No.241-onwards)	08:00am - 02:00pm
05-04-20234 Friday	Anatomy Viva Voce (Roll No.241-onwards) Physiology Viva Voce (Roll No 1-120) Biochemistry Viva Voce (Roll No 121-240)	08:00am - 02:00pm
06-04-2024 Saturday	Anatomy Viva Voce (Roll No 121-240) Physiology Viva Voce (Roll No.241-onwards) Biochemistry Viva Voce (Roll No 1-120)	08:00am - 02:00pm

Note: Detailed notice regarding content, time and venue will be issued accordingly

Note: Timetable Subject to change according to the current circumstances.

Note: OSPE wiil be conducted in block exam.



#### **Renal Module Team**

Module Name : Renal Module
Duration of module : 05 Weeks

Lectures

14. Focal Person Family Medicine

Coordinator:Dr. Sheena TariqCo-coordinator:Dr. Uzma KiyaniReviewed by:Module Committee

Dr. Sadia Khan

	Module Committee	ee	Module Task Force Team						
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Sheena Tariq (Senior Demonstrator of Physiology)				
2.	Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima				
3.	Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	3.	Co-coordinator	Dr. Ali Raza (Senior Demonstrator of Anatomy)				
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Rahat Afzal (Senior Demonstrator of Biochemistry)				
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Uzma Kiyani (Senior Demonstrator of Physiology)				
6.	Focal Person Anatomy Second Year MBBS	Dr. Maria Tasleem							
7.	Focal Person Physiology	Dr. Sidra Hamid		DME	Implementation Team				
			1.	Director DME	Prof. Dr. Ifra Saeed				
8.	Focal Person Biochemistry	Dr. Aneela Jamil	2.	Assistant Director DME	Dr Farzana Fatima				
9.	Focal Person Pharmacology	Dr. Zunera Hakim	3.		Prof. Dr. Ifra Saeed				
				Year MBBS & Director DME	Dr. Farzana Fatima				
10.	Focal Person Pathology	Dr. Asiya Niazi	4.	Editor	Muhammad Arslan Aslam				
	<u> </u>	D 0 11 TT 1							
11.	Focal Person Behavioral Sciences	Dr. Saadia Yasir							
11. 12.	Focal Person Behavioral Sciences Focal Person Community Medicine	Dr. Saadia Yasir Dr. Afifa Kulsoom							

### **Discipline wise Details of Modular Content**

Block	Module	Embryology	Histology	Gross Anatomy
	• Anatomy	<ul><li>Embryology</li><li>Kidney</li><li>Ureter</li><li>Urinary Bladder</li></ul>	<ul><li>Histology</li><li>Kidney</li><li>Ureter</li><li>Urinary Bladder</li></ul>	Posterior Abdominal Wall & Organs of Urinary System
	Biochemistry	<ul> <li>Urethra</li> <li>Amino Acid Pool Protein T</li> <li>Urea Cycle &amp; Disorder</li> <li>Amino Acid Metabolism</li> <li>Ammonia Toxicity</li> <li>Acid Base in Balance</li> </ul>	 Furn Over Nitrogen Balance	& transport of Amino Acid,
I	• Physiology	<ul> <li>Serum Electrolyte</li> <li>Body Fluid Compartmen</li> <li>Physiology of Renal Syst</li> <li>Regulation of GFR &amp; RE</li> <li>Tubular Reabsorbtion &amp;</li> <li>Micturition Reflex &amp; Abs</li> <li>Acid base balance</li> </ul>	BF Scretion	ECF NICF
		THOSE GUILLING	Spiral Courses	
	The Holy Quran     Translation	<ul><li>Imaniat 3</li><li>Ibadat 3</li><li>Imaniat 4</li><li>Ibadat 4</li></ul>	·	
	Bioethics &     Professionalism	Ethical principles		
	Radiology & Artificial Intelligence	<ul><li>Prenatal ultrasonography</li><li>Contrast Nephropathy</li></ul>		
	Research Club Activity	<ul><li> Questionnaire Developm</li><li> Session on data analysis</li><li> Manuscript writing (Prac</li></ul>	(Practical Session-III)	
	Family Medicine	Renal Failure	,	

	Vertical Integration							
Clinically content relevant to Renal module								
• Acute renal failure (Med	licine)							
• Potassium imbalance and i	its management (Medicine)							
• CRF & Rehabilitation of	f patient with CRF(Medicine)							
• Hydronephrosis / Pyoneph	arosis (Surgery)							
<ul> <li>Investigations of urinary tr</li> </ul>	ract (Surgery)							
• Renal calculi (Surgery)								
• Common renal problems in pregnancy (lower and upper urinary tract infections, hydronephrosis, stress incontinence) (Obstetrics & Gynecology)								
<ul> <li>Introduction to diuretics (Pharmacology)</li> </ul>								
Entrepreneurship								
Ideate Initial Idea								
	Early Clinical Exposure (ECE)							
<ul> <li>Clinical Rotations</li> </ul>	Cases of Renal failure							
	• Dialysis							
	Renal Transplant							
	Ultrasound of Kidney							
Plain X-Ray								
	KUB Nephrotic Syndrome							

### **Categorization of Modular Content of Anatomy**

Category A*	Category B**			Category C		
Special Embryology	Special Histology	<b>Demonstrations / SGD</b>	CBL	Practical's	SSDL	Self-Directed
						Learning (SDL)
Development of Kidney	Histology of	• Fascia & Muscles of	• Renal	• Kidney	Vessels of Posterior	Posterior
&Ureter	Kidney-I	Posterior Abdominal Wall	failure	• Ureter	Abdominal Wall	Abdominal Wall
• Development of Urinary	Histology of	<ul> <li>Nerves of Posterior</li> </ul>	Uretric	Urinary	Lumbar Vertebra	Kidney
Bladder & urethra	Kidney-II	Abdominal Wall	stones	Bladder	Urinary Bladder	Urinary Bladder
	<ul> <li>Histology of</li> </ul>	<ul> <li>Vessels of Posterior</li> </ul>			Spotting	<ul> <li>Suprarenal Gland</li> </ul>
	Urinary	Abdominal Wall				• Urethra
	Bladder	<ul> <li>Lumbar Vertebra</li> </ul>				Lumbar Vertebra
	<ul> <li>Histology of</li> </ul>	<ul> <li>Kidney &amp; Ureter</li> </ul>				
	Ureter &	<ul> <li>Suprarenal Gland</li> </ul>				
	Urethra	<ul> <li>Urethra</li> </ul>				
		<ul> <li>Radiology &amp; Surface</li> </ul>				
C-4		Marking				

**Category A\*:** By Professors

Category B\*\*: By Associate & Assistant Professors

Category C\*\*\*: By Senior Demonstrators & Demonstrators

## **Teaching Staff / Human Resource of Department of Anatomy**

Sr. #	Designation Of Teaching Staff / Human Resource	Total number of teaching staff
1.	Professor of Anatomy department	01
3.	Assistant professor of Anatomy department (AP)	01
4.	Demonstrators of Anatomy department	04

### **Contact Hours (Faculty)**

	Hours Calculation for Various Type of Teaching	Total Hours
Sr. #	Strategies	
1.	Large Group Interactive Session (LGIS)	2 * 06 = 12 hours
2.	Small Group Discussions (SGD)	1.5*11=16.5 hours
4.	Practical / Skill Lab	1.5 * 15 = 22.5 hours

### **Contact Hours (Students)**

	Hours Calculation for Various Type of Teaching Strategies	Total Hours
Sr. #	Ser de Gree	
1.	Large Group Interactive Session (LGIS)	1 * 6 = 06 hours
2.	Small Group Discussions (SGD)	2*3 + 1*9=15 hours
4.	Practical / Skill Lab	1.5 * 3 = 4.5  hours
5.	Self-Directed Learning (SDL)	1 * 7 = 7  hours

# **Categorization of Modular Content of Physiology**

Category A*	Category B**	Category C***							
LGIS	LGIS	PBL	CBL	Practical's	SGD	SDL			
Regulation of GFR & RBF – I, (Determinants of GFR and RBF ( <b>Prof</b> <b>Dr Samia Sarwar/Dr. Faizania</b> )	Excretion of dilute urine ( <b>Dr. Sidra</b> )		Accute Glomerular Nephritis	Estimation of specific gravity of urine	Formation of dilute & concentrated	Body fluid compartments, Volume & osmolarity of ECF &			
Regulation of GFR & RBF – II, Physiological control of GFR and RBF and Autoregulation of GFRand RBF/ macula densa feedback mechanism ( <b>Prof Dr Samia</b> Sarwar/ <b>Dr. Faizania</b> )	Excretion of concentrated urine (counter current multiplier) ( <b>Dr. Sidra</b> )		repinitis	Examination of 9th, 10th, 11th & 12th cranial nerves Examination of 5 <sup>th</sup> cranial nerves	urine Acid base balance. Volume & osmolarity of ECF & ICF,	ICF. Physiology of Renal system, Glomerular filtration rate Abnormalities of fluid volume & regulation,			
Physiology of Renal system and Glomerularfiltration rate ( <b>Dr. Faizania</b> )	Excretion of concentrated urine (counter currentexchanger)( <b>Dr. Sidra</b> )				Abnormalities of fluid	Edema  A. Regulation of GFR &			
Tubular reabsorption & secretion along various parts of nephrons ( <b>Dr. Faizania</b> )	Introduction to physiology of acid base balance & buffer systems, Respiratory and renal regulation of acid base balance( <b>Dr. Sidra</b> )				volume & regulation (first week,16-03-2023)	RBF-I (Determinants of GFR & RBF)  B. Regulation of GFR & RBF-II, Physiological			
Regulation of tubular reabsorption ( <b>Dr. Faizania</b> )	Acid base disorders ( <b>Dr. Sidra</b> )					control of GFR and RBF, Autoregulation of GFR			
Clearance methods to quantify kidney function ( <b>Dr. Faizania</b> )	Body fluid compartments, Volume & osmolarity of ECF &ICF ( <b>Dr. Sheena</b> )					and RBF/Macula densa feedback mechanism Tubular reabsorption & secretion along various parts of nephrons			
Micturition reflex & Abnormalities of micturition ( <b>Dr. Faizania</b> )	Abnormalities of fluid volume & regulation, Edema ( <b>Dr. Sheena</b> )  Control of ECF osmolarity ( <b>Dr.</b>					Regulation of tubular reabsorption  A. Clearance methods to quantify kidney function			
	Sheena)  Regulation of ECF K+ concentration, Regulation of Ca++,PO4-3& Mg+2concentration ( <b>Dr. Sheena</b> )					<b>B.</b> Micturition reflex & Abnormalities of micturition			
	Integration of renal mechanism for control of ECF,Nervous & hormonal factors for renal body fluid feedbackcontrol ( <b>Dr.</b>								

Sheena)			
Renal failure & hemodialysis ( <b>Dr.</b>			
Sheena)			

Category A\*: By Professors

Category B\*\*: By Associate & Assistant Professors

Category C\*\*\*: By Senior Demonstrators & Demonstrators

## **Teaching Staff / Human Resource of Department of Physiology**

Sr. #	Designation of Teaching Staff / HumanResource	Total number of teaching staff
1.	Professor of physiology department	01
2.	Associate professor of physiology department	01
3.	Assistant professor of physiology department (AP)	01 (DME)
4.	Demonstrators of physiology department	07
5.	Residents of physiology department (PGTs)	08

#### Contact Hours (Faculty) & Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (Lectures)	2* 18 =36 hours
2.	Small Group Discussions (SGD)/CBL	1.5-hour x $14 = 21$ hours $+ 1$ hour $= 22$ hours
3.	Problem Based Learning (PBL)	
4.	Practical / Skill Lab	1.5-hour x 14 = 21 hours
5.	Self-Directed Learning (SDL)	1hour x $7 = 7$ hours

### **Categorization of Modular Content of Department of Biochemistry:**

Category A*	Category B**		Category C***											
LGIS	LGIS	PBL	CBL	Practical's	SGD									
Amino Acid Metabolism	Ammonia Toxicity		Ammonia Toxicity	Estimation of Urea & Creatinine	Phenyl Alanine Metabolism									
Acid Based imbalance	Amino Acid pool,		Metabolic Acidosis	Urine Analysis-I	Sodium & Chloride Metabolism									
	Urea Cycle			Urine Analysis-II										
	Nitrogen Balance													
	Ammonia Transport													
	Serum Electrolytes													

Category A\*: By Assistant Professor & Senior Demonstrators with Postgraduate Qualification

Category B\*\*: By Senior Demonstrators

Category C\*\*\*: By Senior Demonstrators & Demonstrators

### **Teaching Staff / Human Resource of Department of Biochemistry**

Sr. #	<b>Designation Of Teaching Staff / Human Resource</b>	Total number of teaching staff
1	Assistant professor of biochemistry department (AP)	01
2	Demonstrators of biochemistry department	06

### **Contact Hours (Faculty) & Contact Hours (Students)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours (Faculty)	Total Hours (student)
1.	Large Group Interactive Session (Lectures)	10 * 2 = 20  hours	10
2.	Small Group Discussions (SGD)	6 * 5 = 30 hours	06
4.	Practical / Skill Lab	6 * 5 = 30 hours	06
5.	Self-Directed Learning (SDL)	1 * 4 = 4  hours	04

# Time Table for Renal Module (15-04-2024 To 17 -04-2024)

DATE/DAY	08:00 am – 12:00 pm	12:00 pm – 01:00 pm	01:00 pm -02:00 pm
15-04-2024 MONDAY	GIT OSVE		SDL
16-04-2024 TUESDAY	GIT OSVE	Break	SDL
17-04-2024 WEDNESDAY	GIT OSVE	1	SDL

#### Time Table for Renal Module (First Week) (18-04-2024 To 20-04-2024)

DATE/DAY	8:00am-9:20am	9:20am –	- 10:10am	10:10am – 10:30am	1	0:30am-11:20am	11:20am-12:10pm		12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
	'	PHYSIOLO		Al	NATOMY (LGIS)	BIOCHEMIST	TRY (LGIS		DISSECTION/SGD		
	D I LOCAL GOD	Body fluid compartments	Physiology of Renal		Embryo	ology Histology	Amino Acids Pool, Protein	Glycine		Fascia, Muscles and	
18-04-2024 THURSDAY	Practical &CBL/SGD  Topics & venue mentioned at the end.	Volume & Osmolarity of ECF & ICF	system, Glomerular filtration rate	eak	Developn kidney &	kidnev I	Turnover, Nitrogen balance & Chemical Reaction of Amino Acids  Tryosine Metabolism		eak	Nerves of Posterior Abdominal wall Batches, Teachers &	SDL Physiology Body fluid compartments&
HIUKSDAT	Batches, Teachers & Venue Mentioned in Table No. 1	Dr. Sheena (Even)	Dr. Faizania (Odd)	Br	Prof. Dr (Eve	/ Ass. Prof. Dr. Maria (Odd)	Dr. Aneela / Dr. Uzma (Even)	Dr. Kashif Rauf (Odd)	Br	Venue Mentioned in Table No. 2	Edema
	08:00am – 09:00am	09:00am PHYSIOLOGY (LGIS)				MY (LGIS)	BIOCHI				
		09:00am –	10:00am			– 11:00am	11:00am -12:00noon		_		
	Practical &CBL/SGD	Physiology of Renal	Body fluid compartments	Histol	logy	Embryology	Glycine Phenylalanine &	Amino Acids Pool, Protein		CDI A	
19-04-2024 FRIDAY	Topics & venue mentioned at the end.	system, Glomerular filtration rate	Volume & Osmolarity of ECF & ICF	Kidno	Kidney-I Development of k		Tryosine Metabolism	Turnover, Nitrogen balance & Chemical Reaction of Amino Acid		SDL Anatomy Posterior abdominal	
FRIDAT	Schedule on Wednesday	filtration rate	ECF & ICF			& Ureter				wall	
	batch (17-04-2024) Batches, Teachers & Venue Mentioned in Table No. 1	Dr. Faizania (Even)	Dr. Sheena (Odd)	Prof. Dr Aye Prof. Dr. Ma		Prof. Dr. Ifra (Odd)	Dr. Kashif Rauf (Even)	Dr. Aneela / Dr. Uzi	ma (Odd)		
	,	PHYSIOLO	OGY (LGIS)			NATOMY (LGIS)	BIOCHEMIST	RY (SSDL)		DISSECTION/SGD	
20-03-2024 SATURDAY	Practical &CBL/SGD Topics & venue mentioned at the end. Batches, Teachers & Venue	Abnormalities of fluid volume & regulation Edema	Regulation GFR & RBF-I (Determinats of GFR & RBF)	reak	Developm urinary bla and urethr	ent of adder kidney II	Amino Acid Pool & Chemi Acid		reak	Vessels of Posterior Abdominal Wall Lumbar Vertebra Batches, Teachers &	SDL Biochemistry Amino Acids Pool, Protein Turnover, Nitrogen balance &
	Mentioned in Table No. 1	Dr. Sheena (Even)	Prof. Dr. Samia Sarwar / Dr. Faizania (Odd)	В	Prof. Dr (Eve		Dr. Aneela / Dr. Uzma (Even)	Dr. Kashif Rauf (Odd)	В	Venue Mentioned in Table No. 2	Transport of Amino Acids

	Table No. 1 (Time: 12:20pm – 02:00pm)																
Batch Di	Batch Distribution for Practical Topics for Skill Lab with Venue				Schedule for Practical / Small Group Discussion												
Skills (al	Skills (all subjects)		•	Histology of Kidney (Anatomy/	Day	Histology Practical			Biochemistry		Physiole	ogy Practical	Physiology SGD			Biochemistry SG	
		Disscusion		Histology-practical) venue Histology				I	ractical	$\circ$							
(Biocher	mistry and l	Physiology)		Laboratory-Dr. Tariq Furqan		Batch	Teacher	Batch	Teacher	НОБ	Batch	Teacher	Batch	Teacher Name	HOD	Batch	Teacher
			•	Serum estimation of Urea &			Name		Name	y E		Name			] >		Name
Sr. No	Batch	Roll No.		Creatinine (Biochemistry practical)	Monday	C	by	В	Dr. Rahat	d b	Е	Dr. Kamil	A	Dr. Aneela	d b	D	Dr. Uzma
1.	A	01-70		venue- Biochemistry Laboratory	Tuesday	D	d b	C	Dr. Nayab	A	Dr. Aneela	В	Dr. Shazia	ise	Е	Dr. Almas	
2.	В	71-140	•	Estimation of specific gravity of	Wednesday	Е	rvise 10D	D	Dr. Uzma	erv	В	Dr. Shazia	C	Dr. Nayab	erv	A	Dr.
			_	urine (Physiology –practical)			E e			dn							Romessa
3.	С	141-210		Physiology Laboratory	Thursday	В	dnS	A	Dr. Almas	S	D	Dr. Iqra	Е	Dr. Iqra	S	C	Dr. Nayab
4.	D	211-280			Saturday	A	<b>3</b> 1	E	Dr. Romessa		С	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
5.	Е	281-onwards	Γ	Copics for SGDs / CBL with Venue		T	able No. 2 B	2 Batch Distribution and Venues for Anatomy Small Group DisscussionSGDs / Dissections									
			•	Biochemistry SGDs: Phenyl Alanine	Batches	Rol	l No	Anatomy Teacher Venue									
				Metabolism (Venue: Lecture Hall No	A	01-	-120	Dr. Sad	ia baqir	Anatomy Lecture Hall 03				Supervised by Prof. Dr. Ayesha Yousaf			
				2)	В	121	-240	Dr. Gaiti Ara New		New Le	ecture Hal	l Complex # 0	)1				
			•	Physiology CBL-Body Fluid	C	241 o	nwards	Dr. Mir	ahil Haq	Anaton	ny Lecture	Hall 04					
				Compartment & Edema (Venue:													
				Lecture Hall No 5)													
			1	A CDI D 1E 1													

			Anatomy CBL- Renal Failure											
	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions													
Sr No. Batches Roll No Venue Teachers Sr No. Batches Roll No Venue Teachers														
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)					
				Physiology)				(Basement)						
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Prof. Dr. Ifra Saeed	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)					
			Anatomy)	(Professor of Anatomy)				(Basement)						
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Afsheen Batool (PGT	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman					
			Anatomy)	Physiology)				(Basement)	(PGT Physiology)					
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)					
				(Professor of Anatomy)										
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Shazia (Demonstrator	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan					
		•		Physiology)			·		(Demonstrator Physiology)					
			·	No P	RI Session	during this	week		<u> </u>					

No PBL Session during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)										
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01									
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04									

# Time Table for Renal Module (Second Week) (22-04-2024 To 27-04-2024)

DATE/DAY	8:00am-9:20am	9:20am -	- 10:10am	10:10am – 10:30am		10:30am-	-11:20am	11:20ar	n-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
	Practical &CBL/SGD	PHYSIOLO	OGY (LGIS)			BIOE	THICS	BIOCHEM	ISTRY (LGIS)		DISSECTION/CBL	SDL Physiology
22-04-2024 MONDAY	Topics & venue mentioned at the end.  Batches, Teachers & Venue	GFR & RBF)	Abnormalities of fluid volume & regulation Edema		Islam o	& Teachi	ngs of Bioethics	Urea cycle & its Disorders	Glutamine, Histidine, Threonine & Polyamines Metabolism		Kidney Batches, Teachers & Venue Mentioned in	Volume & osmolarity of ECF& ICF, Abnormalities
MONDAT	Mentioned in Table No. 1	Prof. Dr. Samia Sarwar / Dr. Faizania (Even)	Dr. Sheena (Odd)		Prof. Dr. Akram Randhwara			Dr. Aneela / Dr. Dr. Kashif Rauf Uzma (Even) (Odd)			Table No. 1	of fluid volume & regulation
		PHYSIOLOGY (LGIS)			PI	BL 1 (SE	ESSION-I)	BIOCHEM	ISTRY (LGIS)		DISSECTION/CBL	
23-04-2024 TUESDAY	Practical & CBL/SGD Topics & venue mentioned at the end. Batches, Teachers & Venue	Excretion of dilute urine and RBF, Autoregulation of GFR and RBF		<b>~</b>	PBL Team Batches, Teachers & Venue Mentioned in Table No. 3			Glutamine, Histidine, Threonine & Polyamines Metabolism	tidine, Threonine Urea cycle & its Polyamines Disorders		Ureter Batches, Teachers & Venue Mentioned in Table No. 1	SDL Physiology Physiology of Renal system
	Mentioned in Table No. 1	Dr. Sidra Hamid (Even)	Prof. Dr. Samia Sarwar/Dr. Faizania (Odd)	e e		ruote	110.3	Dr. Kashif (Even)	Dr. Aneela / Dr. Uzma (Odd)	e a k	Tuble 110. 1	
	Practical &CBL/SGD	BIOE	THICS	<u></u>			RESEARCH PRAC	TICAL SESSION II			PBL 1 (SESSION-II)	SDL Biochemistry
24-04-2024	Topics & venue mentioned	Ethics of social m	redia & advertisina	$\mathbf{B}_{1}$			Questionnaire	Development		8	PBL Team	Amino Acid Pool,
WEDNESDAY	at the end.	Ethics of social media & advertising				LTC Ha	ıll No. 1	LTC Hall No. 4			Batches, Teachers &	Nitrogen Balance
W251,255111	Batches, Teachers & Venue	Prof. Dr. Akr	am Randhwara		Dr. Khuala Noreen			Dr. Afifa			Venue Mentioned in	Tita og on Butunee
	Mentioned in Table No. 1				Batch (A, B, C, D & E)			· .	F, G, H, I, J)		Table No. 3	
	Practical &CBL/SGD	PHYSIOLOGY (LGIS)		-	ANATOMY (LG Histology E1		, ,		OGY (LGIS)		DISSECTION/SGD	
25-04-2024 THURSDAY	Topics & venue mentioned at the end.  Batches, Teachers & Venue	Regulation of GFR & RBF-II Physiological control of GFF and RBF, Autoregulation of GFR and RBF	ysiological control of GFR d RBF, Autoregulation of Excretion of dilute urine		kidney II		Development of urinary bladder and urethra	Excretion of Concemtrated urine (Counter Current Multiplier)	Tubular Reabsorbtion & Scretion along Various parts of nephron		Urinary bladder Batches, Teachers & Venue Mentioned in Table No. 2	SDL Biochemistry Urea cycle & its Disorders
	Mentioned in Table No. 1	Prof. Dr. Samia Sarwar/Dr. Faizania (Even)	Dr. Sidra Hamid (Odd)		Ass. Prof. Maria (Ev		Prof. Dr. Ifra (Odd)	Dr. Sidra Hamid (Even)	Dr. Faizania (Odd)			
	8:00 AM - 9:00 AM	9:00 AM	- 10:00AM		10:00AM	[-11:00]	AM	11	:00AM - 12:00PM			
	RADIOLOGY	QURAN TRA	NSLATION – I		PHYSIOL	OGY (L	GIS)	BIO	CHEMISTRY (LGIS)			
26-04-2024 FRIDAY	Contrast Nephropathy	Imaniat-3	Ibadaat-3	Tubular Rea Scretion alo parts of	ong Various			Ammonia Arginine & Brar Toxicity Amino Acid M			SDL Anatomy Ureter	
	Dr. Hina Dr. Saba Hafeez Binte (Even) Kashmir	Mufti Naeem Sherazi (Odd)	Dr. Fahd Anwar (Even)	Dr. Faizar	nia (Even)	Dr. S	Sidra Hamid (Odd)	Dr. Aneela / Dr. U. (Even)	zma Dr. Kashif Ra	uf (Odd)		
		PHYSIOLO	OGY (LGIS)		BIO	CHEMIS	STRY (LGIS)	PHYSIOI	OGY (LGIS)		DISSECTION/SGD	
27-04-2024 SATURDAY	Practical &CBL/SGD Topics & venue mentioned at the end Batches, Teachers & Venue	Excretion of concentrated urine (Counter current exchanger)	Regulation of tubular reabsorbtion	r e a k	Arginine & Branched Chain Amino Acid Metabolism		Ammonia Toxicity	Regulation of tubular reabsorbtion	Excretion of concentrated urine (Counter current exchanger)	reak	Suprarenal Gland & Urethra Batches, Teachers &	SDL Urinary bladder
	Mentioned in Table No. 1	Dr. Sidra Hamid (Even)	/Dr. Faizania (Odd)	Bı	Dr. Kashif (	Dr. Aneela / Dr. Uzma (Odd)		Prof. Dr. Samia Sarwar/Dr. Faizania) (Even)	Dr. Sidra Hamid (Odd)	Bı	Venue Mentioned in Table No. 2	

	Table No. 1 (Time: 12:20pm – 02:00pm)															
Batch Di	istribution	for Practical	Topics for Skill Lab with Venue		Schedule for Practical / Small Group Discussion											
	ll subjects)		Histology of Ureter (Anatomy/	Day Histology Practical			Biochemistry		Physiology Practical		Phy	Physiology SGD		Bioche	mistry SGD	
		Disscusion	Histology-practical) venue Histology				Practical									
(Biocher	mistry and	Physiology)	Laboratory-Dr. Tariq Furqan		Batch	Teacher	Batch	Teacher	Ю	Batch	Teacher	Batch	Teacher Name		Batch	Teacher
			Urine Analysis -I (Biochemistry			Name		Name	y F		Name			] \		Name
Sr. No	Batch	Roll No.	practical) venue- Biochemistry	Monday	C	by	В	Dr. Rahat	d b	E	Dr. Kamil	Α	Dr. Aneela	٦ -	D	Dr. Uzma
1.	A	01-70	Laboratory	Tuesday	D	d b	C	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	Se.	Е	Dr. Almas
2.	В	71-140	<ul> <li>Examination of 5<sup>th</sup> Cranial Nerve</li> </ul>	Wednesday	E	rise OD	D	Dr. Uzma	SLV	В	Dr. Shazia	C	Dr. Nayab	71	A	Dr.
			(Physiology –practical) Physiology			erv H(			ďn					_ Ĕ		Romessa
3.	C	141-210	Laboratory	Thursday	В	dnş	Α	Dr. Almas	$\infty$	D	Dr. Iqra	E	Dr. Iqra	<i>V</i>	C	Dr. Nayab
4.	D	211-280		Saturday	A	<b>5</b> 1	E	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
5.	E	281-onwards	Topics for SGDs / CBL with Venue		Т	able No. 2 E	o. 2 Batch Distribution and Venues for Anatomy Small Group DisscussionSGDs / Dissections									
			Biochemistry CBL: Ammonia	Batches												

_	Biochemistry CBE. 7 miniona
	Toxicity (Venue: Lecture Hall No 2)
•	Physiology CBL- GFR & Auto
	regulation (Venue: Lecture Hall No
	5)
•	Anatomy CBL- Kidney Failure,

Ureteric Stone

Batches	Roll No	Anatomy Teacher	Venue
A	01-120	Dr. Sadia baqir	Anatomy Lecture Hall 03
В	121-240	Dr. Gaiti Ara	New Lecture Hall Complex # 01
С	241 onwards	Dr. Minahil Haq	Anatomy Lecture Hall 04

Supervised by Prof. Dr. Ayesha Yousaf

			Table No. 3 F	Batch Distribution with Venues	and Teach	ners Name t	for Problem Based	l Learning (PBL) Sessions	
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT	6.	C2	(176-210) Lecture Hall no.04		Dr. Nayab Zonish (PGT Physiology)
				Physiology)				(Basement)	
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Prof. Dr. Ifra Saeed	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(Professor of Anatomy)				(Basement)	
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Afsheen Batool (PGT	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman
			Anatomy)	Physiology)				(Basement)	(PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
				(Professor of Anatomy)					
5.	5. C1 (141-175) Lecture Hall no.05 (Basement)		Dr. Shazia (Demonstrator	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan	
				Physiology)					(Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)										
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01									
Even Roll Number New Lecture Hall Complex Lecture Theater # 04										

Sports Week	29 <sup>th</sup> April – 4 <sup>th</sup> May, 2024

# Time Table for Renal Module (Third Week) (06-05-2024 To 11-05-2024)

					<u> (</u>	0-03-2024 10	711-05-2024	<u> </u>					
DATE/DAY	8:00an	1-9:20am	9:20am –	10:10am	10:10am - 10:30am	10:30am-	-11:20am	11:20am-	12:10pm	12:10pm - 12:30pm	12:30pm -	2:00pm	Home Assignments(2HRS)
06-05-2024 MONDAY	Topics & venue r Batches, Tea	&CBL/SGD nentioned at the end chers & Venue in Table No. 1	PHYSIOLO  Control of ECF osmolarity  Dr. Sheena (Even)	Clearence Method to Quantify kidney function  Dr. Faizania (Odd)		Investigations of Dr. Faraz Basharat	of urinary tract  Dr. Muhammad	Acute rena Dr. Saima Meer	al failure  Dr. Mudassar		DISSECTION  Dissection/ Study of Mode Batches, Teachers &  in Table	SDL Physiology Excretion of dilute and Excretion of concentrated urine	
			PHYSIOLO	` '		(Even)  RESEARCH PRAC		(Even)	(Odd) CINE		BIOCHEMIS		
07-05-2024 TUESDAY	Practical &CBL/SGD  Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1		Clearence Method to Quantify kidney function	Control of ECF osmolarity		Session on d	<u> </u>	CRF & Rehabilit			Acid Base Imbalance I	Sodium & Chloride Metabolism	SDL Physiology Clearance methods to quantify kidney function.
			Dr. Faizania (Even)	Dr. Sheena (Odd)	a k	Dr. Khuala Noreen Batch (A, B, C, D, E)	Dr. Afifa Batch (F, G, H, I, J)	Dr. Saima Meer (Even)	Dr. Mudassar (Odd)	a k	Dr. Aneela (Even)	Dr Nayab (Odd)	Tunction.
08-05-2024 WEDNESDAY	Practical &CBL/SGD  Topics & venue mentioned at the end Batches, Teachers & Venue		PHYSIOLO  Regulation of ECF  K <sup>+</sup> &Regulation of  ECF Ca <sup>++</sup> , PO <sub>4</sub> <sup>-3</sup> &  Mg <sup>+2</sup> concentration	ation of ECF Regulation of Ca++, PO <sub>4</sub> -3&  Micturition Reflex & Abnormalities of Micturition			s / Pyonephrosis	Common renal pregnancy (lower a tract infections, h	l problems in and upper urinary nydronephrosis,	Bre	DISSECTION/SGD  Surface Marking Batches, Teachers & Venue Mentioned		SDL Biochemistry Arginine & Branched Chain Amino Acid
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	in Table No. 1	Dr. Sheena (Even)	Dr. Faizania (Odd)		Dr. Muhammad Ali (Even)	Dr. Ahmed Sajjad (Odd)	Dr. Humaira Noureen (Even)	Prof. Tallat Farkanda (Odd)		in Table	No. 2	Metabolism, Ammonia Toxicity
			PHYSIOLO	GY (LGIS)		ANAT	OMY	BIOCHEMIS	TRY (LGIS)		DISSECTI	DISSECTION/SGD	
09-05-2024 THURSDAY	Topics & venue r Batches, Tea	&CBL/SGD nentioned at the end chers & Venue	Micturition Reflex & Abnormalities of Micturition  Micturition  Micturition  Regulation of ECF  K <sup>+</sup> & Regulation of ECF  ECF· Ca <sup>++</sup> , PO <sub>4</sub> <sup>-3</sup> & Mg <sup>+2</sup> concentration		Histology Ureter, Bladder & Urethra	Histology  Ureter, Bladder &  Urethra	Sodium & Chloride Metabolism	Acid Base Imbalance I		Dissection/ Spottting (Kidney, ureter & Unrinary Bladdar) Batches, Teachers & Venue Mentioned		SDL Biochemistry Sodium & Chloride	
	Mentioned	in Table No. 1	Dr. Faizania (Even)	Dr. Sheena (Odd)		Prof. Dr. Ifra (Even)	Prof. Dr. Ayesha /Asst. Prof. Dr. Maria (Odd)	Dr Nayab (Even)	Dr. Aneela (Odd)		in Table	No. 2	Metabolism
	8:00 AM	-9:00 AM	9:00 AM -	10:00AM		10:00AM -	- 11:00 AM	11:00	0AM - 12:00PM				
	QURAN TRA	NSLATION – II	PHYSIOLO	` /		PBL 2 (SESSION	( – I)	ВІОСН	EMISTRY (LGIS	5)			
10-05-2024 FRIDAY	Imaniat-3 Ibadaat-3		Renal Machanism for control of ECF, Nervous & hormonal factors for body Fluid	Physiology of acid base balance respiratory & renal regulation of acid base balance	Batches, T	PBL Team eachers & Venue Menti	ioned in Table No. 3	Acid Base Imbalance II	Potassium N	Metabolism	SDL An Suprarenal gla	•	
	Mufti Naeem Dr. Fahd Anwar Sherazi (Odd) Dr. Sheena (Even) Dr. Sidra Hamid (Odd)				Dr. Aneela (Even) Dr. Nayab (Odd)								
11-05-2024 SATURDAY						Early (	Clinicaly Exposur	e					

					Т	able No. 1	(Time: 12:2	0pm – 02	:00pm)								
Batch D	istribution	for Practical		Topics for Skill Lab with Venue		Schedule for Practical / Small Group Discussion											
Skills (a	ll subjects)		•	Histology of Urinary Bladder	Day Histology Practical			Biochemistry		Physiology Practical			Phy	Physiology SGD		Biochemistry S	
	CBL / Small Group Disscusion			(Anatomy/ Histology-practical)				Practical									
(Biocher	(Biochemistry and Physiology)			venue Histology Laboratory-Dr.		Batch Teacher		Batch	Teacher	НОІ	Batch	Teacher	Batch	Teacher Name	НОІ	Batch	Teacher
				Tariq Furqan			Name		Name			Name			y H		Name
Sr. No	Batch	Roll No.	•	Urine Analysis-II (Biochemistry	Monday	C	by	В	Dr. Rahat	d by	Е	Dr. Kamil	A	Dr. Aneela	d b	D	Dr. Uzma
1.	A	01-70		practical) venue- Biochemistry	Tuesday	D	q p	С	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	Е	Dr. Almas	
2.	В	71-140		Laboratory	Wednesday	Е	ervise HOD	D	Dr. Uzma	irv	В	Dr. Shazia	С	Dr. Nayab	ir	A	Dr.
			•	Examination of 7 <sup>th</sup> cranial nerve						ed n					nbe		Romessa
3.	С	141-210		(Physiology –practical) Physiology	Thursday	В	Sup	A	Dr. Almas	S	D	Dr. Iqra	Е	Dr. Iqra	$\sim$	С	Dr. Nayab
4.	D	211-280		Laboratory	Saturday	A	<b>o</b> 2	Е	Dr. Romessa		С	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
5.	Е	281-onwards		Topics for SGDs / CBL with Venue		Т	able No. 2 E	atch Dist	ribution and Ve	nues for	Anatomy	Small Group l	Disscussi	onSGDs / Dissection	ons		
			•	Biochemistry CBL: Metabolic	Batches	Rol	ll No	Anato	my Teacher	Venue							
				acidosis (Venue/: Lecture Hall No 2)	A	01-	-120	Dr. Sad	ia baqir	Anaton	ny Lecture	Hall 03		Supervised by Prof. Dr. Ayesha You			a Yousaf
			•	Physiology SGD- Micturition	В	B 121-240		Dr. Gai	ti Ara	New L	ecture Hal	l Complex # 0	)1				
				Reflex & Abnormalities of	С	241 o	nwards	Dr. Mi	nahil Haq	Anaton	ny Lecture	Hall 04					
				Micturition (Venue: Lecture Hall No		•		•	_	•	•	_	•		•	•	_

	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions													
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers					
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)					
				Physiology)				(Basement)						
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Prof. Dr. Ifra Saeed	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)					
			Anatomy)	(Professor of Anatomy)				(Basement)						
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Afsheen Batool (PGT	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman					
			Anatomy)	Physiology)				(Basement)	(PGT Physiology)					
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)					
				(Professor of Anatomy)										
5.	5. C1 (141-175) Lecture Hall no.05 (Basement)		Dr. Shazia (Demonstrator	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan						
				Physiology)					(Demonstrator Physiology)					

Table No. 6 Venues for Large Group Interactive Session (LGIS)						
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01					
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04					

5)

# Time Table for Renal Module (Fourth Week) (13-05-2024 To 18-05-2024)

DATE/DAY	8:00am-9:20am	9:20am	– 10:10am	10:10am – 10:30am	10:30ar	n-11:20am	11:20am	-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
	Practical &CBL/SGD	PHYSIOLOGY (LGIS)			RESEARCH PRACTICAL SESSION IV		MEDICINE			DISSECTION/SGD	
	(Scheduled om Monday 15-04-2024) Topic and venue metioned in 1st week of	Physiology of acid base	Renal Machanism for control of ECF,		Manusc	Manuscript writing		Potassium imbalanca			
13-05-2024 MONDAY	renal module Batches, Teachers & Venue Mentioned in	balanced respiratory & renal regulation of	Nervous &		LTC Hall No. 1 L	LTC Hall No. 4		Potassium imbalance and its management		Radiographs Lumbar Region / Cross Sectional Anatomy	SDL Anatomy Lumbar Vertebra
	Table No. 1	acid base balance	body Fluid	-	Dr. Khuala Noreen	Dr. Afifa	Dr. Saima	Dr.		Batches, Teachers & Venue Mentioned in Table No. 2	
		Dr. Sidra Hamid (Even)	Dr. Sheena (Odd)		Batch (A, B, C, D, E)	Batch (F, G, H, I, J)	Meer (Even)	Mudassar (Odd)			
	Practical &CBL/SGD	PHYSIOL	OGY (LGIS)	a k	ENTREPREN	EURSHIP (LGIS)	FAMILY MEDICINE		a k	PBL 2 (SESSION – II)	SDL
14-05-2024	(Scheduled om Tuesday 16-04-2024) Topic and venue metioned in 1 <sup>st</sup> week of renal module Batches, Teachers & Venue Mentioned in Table No. 1	Renal failure & hemodialysis	Acid base disorders	re s	Ideate Initial Idea		Renal Failure		r e s	PBL Team	Biochemistry Sodium &
TUESDAY		Dr. Sheena (Even)	Dr. Sidra Hamid (Odd)	B	Dr. Asif		Dr. Sidra Hamid (Even)	Dr Sadia (Odd)	B	Batches, Teachers & Venue Mentioned in Table No. 3	Chloride Metabolism
	Practical &CBL/SGD	PHYSIOLOGY (LGIS)			BIOCHEMISTRY		PHARMACOLOGY			DISSECTION/SGD	
15-05-2024 WEDNESDAY	(Scheduled om Saturday 11-05-2024) Topic and venue metioned in 3 <sup>rd</sup> week of renal module Batches, Teachers & Venue Mentioned in Table No. 1	Acid base disorders	Renal failure & hemodialysis Diuretics		Potassium Metabolism	Acid Base Imbalance II	Introdu diur			Dissection / Spotting (Muscles and Fascia of Posterior Abdominal Wall) Batches, Teachers & Venue Mentioned in Table No. 2	SDL Physiology Exam Preparation Online Clinical Evaluation
WEDNESDAT		Dr. Sidra Hamid (Even)	Dr. Sheena (Odd)		Dr. Nayab (Even)	Dr Aneela (Odd)	Dr. Uzma (Even)	Dr. Haseeba (Odd)			
16-05-2024 THURDAY						SDL					
17-05-2024 FRIDAY 18-05-2024 SATURDAY						Module Exam					_

				Т	able No. 1	(Time: 12:2	0pm – 02	:00pm)								
Batch Distribution for Practical Topics for Skill Lab with Venue				Schedule for Practical / Small Group Discussion												
	ll subjects)		Histology of Kidney, Ureter Bladder	Day Histology Practical		Biochemistry		Physiology Practical		Phy	Physiology SGD		Biochemistry S			
		Disscusion	(Anatomy Histology Practical) Venue-				Practical		0							
(Bioche	mistry and	Physiology)	Histology lab-Dr Minahil Haq		Batch	Teacher	Batch	Teacher	НОБ	Batch	Teacher	Batch	Teacher Name	I O	Batch	Teacher
			Urine Report (Biochemistry Practical)			Name		Name	>		Name			Y E		Name
Sr. No	Batch	Roll No.	Venue- Biochemistry laboratory	Monday	C	<u>&gt;</u>	В	Dr. Rahat	d b	Е	Dr. Kamil	A	Dr. Aneela	d b	D	Dr. Uzma
1.	A	01-70	• Sense of Smell (Physiology Practical)	Tuesday	D	d b	C	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	ise	E	Dr. Almas
2.	В	71-140	Venue – Physiology Lab	Wednesday	E	rvise	D	Dr. Uzma	) Ale	В	Dr. Shazia	C	Dr. Nayab	erv.	Α	Dr.
						e F			dn					dn		Romessa
3.	C	141-210		Thursday	В	dnS	A	Dr. Almas	$\mathbf{S}$	D	Dr. Iqra	E	Dr. Iqra	]	C	Dr. Nayab
4.	D	211-280		Saturday	A	01	Е	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Venue	Table No. 2 Batch Distribution and Venues for Anatomy Small Group DisscussionSGDs / Dissections												
			Physiology SGD: Acid Base Balance	Batches	Ro	ll No	Anato	my Teacher		Ve	nue					
			& disorders, Venue: Lecture Hall No	A	01-	-120	Dr. Sad	ia baqir	Anator	ny Lecture	e Hall 03		Supervised by Pr	of. Di	r. Ayesha	a Yousaf
			5)	В	121	-240	Dr. Gai	ti Ara	New L	ecture Hal	1 Complex # 0	)1				
			Biochemistry SDG: Serum	C	241 o	nwards	Dr. Mi	ahil Haq	Anator	ny Lecture	Hall 04					
	Electrolytes (Sodium & Potassium)							•								

	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions										
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers		
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)		
				Physiology)				(Basement)			
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Prof. Dr. Ifra Saeed	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)		
			Anatomy)	(Professor of Anatomy)				(Basement)			
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Afsheen Batool (PGT	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman		
			Anatomy)	Physiology)				(Basement)	(PGT Physiology)		
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)		
				(Professor of Anatomy)							
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Shazia (Demonstrator	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan		
				Physiology)					(Demonstrator Physiology)		

Table No. 6 Venues for Large Group Interactive Session (LGIS)						
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01					
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04					

(Venue: Lecture Hall No 2)

# Tentative Date Sheet for End of Renal Module Assessment (17-05-2024 To 23-05-2024)

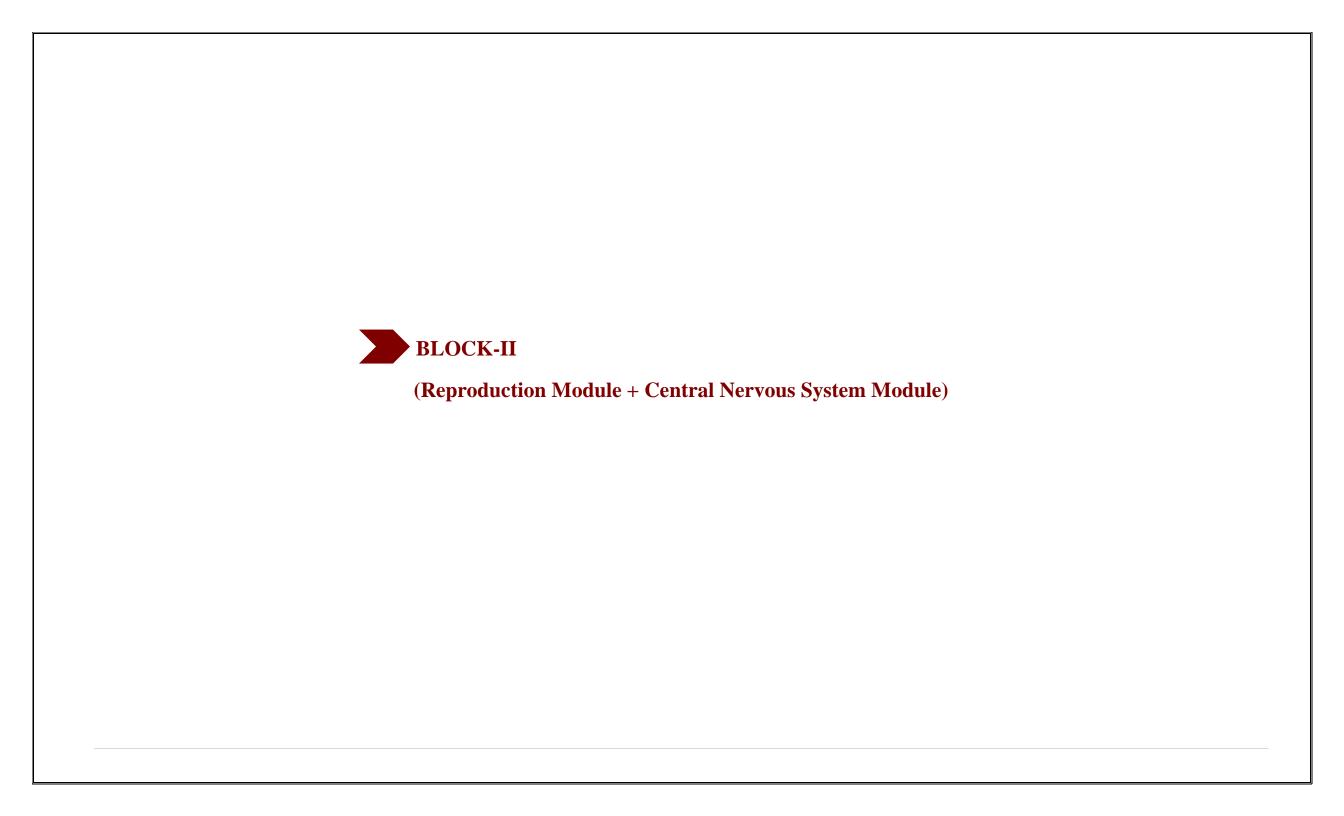
Date / Day	8:00 AM – 02:00 PM
17-05-2024	Anatomy Written & AV OSPE
FRIDAY	Anatomy written & AV OSFE
18-05-2024	Biochemistry Written & AV OSPE & Quran
SATURDAY	Translation
20-05-2024	Physiology Written & AV OSPE
MONDAY	rhysiology written & AV OSFE
21-05-2024	OSVE
TUESDAY	OSVE
22-05-2024	OSVE
WEDNESDAY	OSVE
23-05-2024	OSVE
THURSDAY	OSVE

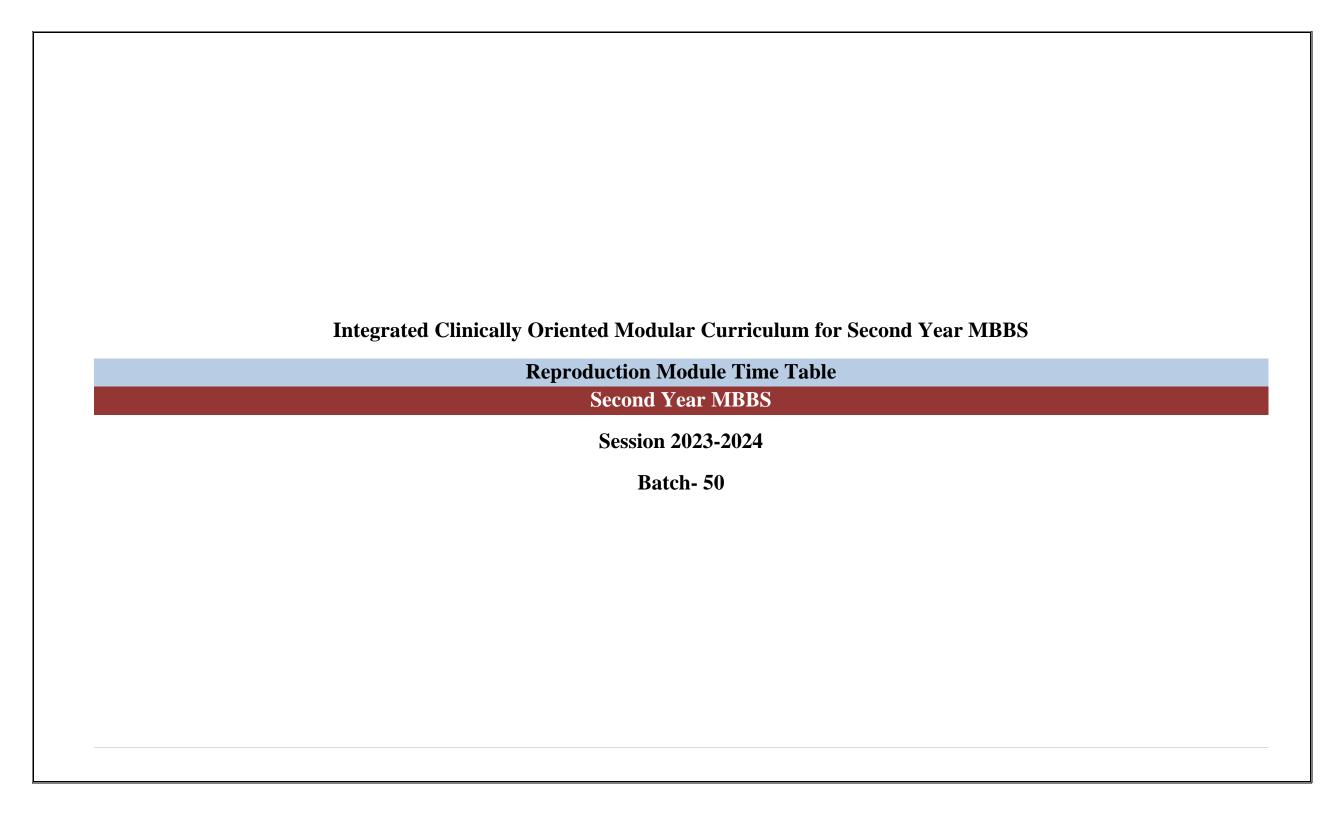
# Tentative Date Sheet for End of Block-I (GIT & Renal Module) Assessment (24-05-2024 To 28-05-2024)

Date / Day	8:00 AM – 02:00 PM
24-05-2024	I MS Board Block Assessment (MCOs)
FRIDAY	LMS Based Block Assessment (MCQs)
25-05-2024	OSPE
SATURDAY	OSPE
27-05-2024	OSPE
MONDAY	OSFE
28-05-2024	OSPE
TUESDAY	OSPE

Note: Timetable Subject to Change

(Logistic details of Assessments will be notified separately)





### **Reproduction Module Team**

Module Name : Reproduction Module

Duration of module : 04 Weeks

Lectures

14. Focal Person Family Medicine

Coordinator : Dr. Uzma Zafar

Co-coordinator : Dr. Romessa Naeem Reviewed by : Module Committee

Dr. Sadia Khan

	Module Committee	ee			Module Task Force Team
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Uzma Zafar (APWMO Demonstrator of Biochemistry)
2.	Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima
3.	Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	3.	Co-coordinator	Dr. Tariq Furqan (Senior Demonstrator of Anatomy)
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Romessa Naeem (Senior Demonstrator of Biochemistry)
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Nazia (Senior Demonstrator of Physiology)
6.	Focal Person Anatomy Second Year MBBS	Dr. Maria Tasleem			
7.	Focal Person Physiology	Dr. Sidra Hamid		Γ	ME Implementation Team
7.	Focal Person Physiology	Dr. Sidra Hamid	1.	Director DME	Prof. Dr. Ifra Saeed
7. 8.	Focal Person Physiology Focal Person Biochemistry	Dr. Sidra Hamid Dr. Aneela Jamil	1. 2.		
	, ,,		1. 2. 3.	Director DME	Prof. Dr. Ifra Saeed
8.	Focal Person Biochemistry	Dr. Aneela Jamil	1. 2. 3.	Director DME Assistant Director DME	Prof. Dr. Ifra Saeed Dr Farzana Fatima
8.	Focal Person Biochemistry	Dr. Aneela Jamil	1. 2. 3.	Director DME Assistant Director DME	Prof. Dr. Ifra Saeed Dr Farzana Fatima Prof. Dr. Ifra Saeed
8.	Focal Person Biochemistry	Dr. Aneela Jamil	1. 2. 3.	Director DME Assistant Director DME DME Implementation Team	Prof. Dr. Ifra Saeed Dr Farzana Fatima Prof. Dr. Ifra Saeed Dr. Farzana Fatima
8. 9.	Focal Person Biochemistry Focal Person Pharmacology	Dr. Aneela Jamil Dr. Zunera Hakim		Director DME Assistant Director DME DME Implementation Team	Prof. Dr. Ifra Saeed Dr Farzana Fatima Prof. Dr. Ifra Saeed Dr. Farzana Fatima Dr. Saira Aijaz
8. 9.	Focal Person Biochemistry Focal Person Pharmacology Focal Person Pathology	Dr. Aneela Jamil Dr. Zunera Hakim Dr. Asiya Niazi		Director DME Assistant Director DME DME Implementation Team	Prof. Dr. Ifra Saeed Dr Farzana Fatima Prof. Dr. Ifra Saeed Dr. Farzana Fatima Dr. Saira Aijaz

## **Discipline wise Details of Modular Contents**

Block	Subjects	Embryology	Histology	Gross Anatomy
	• Anatomy	Embryology/Development      Testis     Genital Ducts     Prostate &     Accessory     Glands     Uterus & Uterine     tubes     Ovary & Vagina	Histology  Testis Genital Ducts Prostate & Accessory Glands Uterus & Uterine Tubes Ovary & Vagina	<ul> <li>Sacrum</li> <li>Bony Pelvis &amp; Joints of Pelvis</li> <li>Pelvic Fascia, Pelvic Diaphragm, &amp; Pelvic Peritoneum</li> <li>Male External Genitalia, Scrotum, &amp; Testis</li> <li>Prostate Vas Deferens, Seminal Vesicles &amp; Ejaculatory Ducts</li> <li>Female External Genitalia, Ovaries, Fallopian Tubes</li> <li>Uterus, Cervix &amp; Vagina</li> <li>Ischioanal Fossa</li> <li>Urogenital Diaphragm</li> <li>Perineum, Superficial Perineal Pouch and its contents</li> <li>Deep Perineal Pouch and its contents</li> <li>Blood Supply &amp; Lymphatic Drainage of Pelvis &amp; Perineum</li> <li>Sacral and Coccygeal Plexus</li> <li>Radiology, Surface Marking, Cross Sectional Anatomy</li> </ul>
П	Biochemistry	<ul> <li>Digestion of nucleic aci</li> <li>Purine catabolism and r</li> <li>Pyrimidine metabolism</li> <li>Regulation of gene expr</li> <li>Male Gonadal Hormone</li> <li>Female Gonadal Hormone</li> </ul>	ression es	
	<ul> <li>Physiology</li> </ul>	<ul><li>Semen, capacitation &amp; a</li><li>Monthly Ovarian Cycle</li></ul>	female reproductive system acrosome reaction , ovulation onormalities of male sexual	

	Monthly Endometrial Cycle and Menstruation						
	Response of mother's body to pregnancy and parturition						
	Female sex hormones (oestrogen and progesterone)						
	Lactation, Milk composition, breast feeding						
	Puberty, menarche, menopause, postmenopausal symptoms & anovulatory cycles, Abnormalities of						
	• secretion by ovaries						
	Growth &functional development of fetus, Adjustments of infant to extrauterine life, Growth						
	& development in child						
	Fertilization of ovum, transport, implantation, Functions of placenta						
	Hormonal factors in pregnancy, Special functional						
	problems in neonate. Prematurity and its problems						
	Spiral Courses						
Biomedical (Club	Ethical dilemmas Involving breech in Autonomy.						
Activity)	• Ethical dilemmas in healthcare practice involving breach in principle of beneficence and non-maleficence.						
	Ethical dilemmas practice involving breach in principle of justice						
Behavioural Sciences	• Emotion						
Family Medicine	• AIDS						
The Holy Quran	• Imaniat-5						
Translation	Akhlaqiat-1						
Pak Studies/Islamiyat	Kaamyab logu ki sifaat						
	Nehru report, Quaid e Azam k 14 nukaat						
G 0 01	Vertical Integration						
Gynae & Obs	Early Pregnancy Complications						
	Menstrual irregularities						
- N 1	• Subfertily						
• Pharmacology	Hormonal Contraceptives						
• Surgery	Male hypogonadism, Acute Scrotum						
<ul> <li>Pathology</li> </ul>	BPH/Prostatitis / Sexually Transmitted Diseases						
	Polycystic Ovaries						
Community Medicine	• Sexually Transmitted Diseases (STDs)						
	Acquired Immunodeficiency Syndromes/ Sexually Transmitted Diseases						
	Early Clinical Exposure						
	• Ovarian Tumors						
	• Uterine Tumors (Gynecology)						

Clinical Rotations	Polycystic Ovaries
	Menstrual Irregularities
	• Important points in History of pregnant lady
	• Obstetrics Trimesters (Obstetrics)
	Fetal heart sounds
	Testicular Tumors
	• Hydrocele (Surgery)
	Undescended Testis
	Hypospadias/ Epispadias

Category A*	Category B**	Category C***							
Special Embryology	Special Histology	Demonstrations / SGD	CBL	Practical's	Self-Directed Learning (SDL)				
<ul> <li>Testis</li> <li>Genital Ducts</li> <li>Prostate &amp; Accessory Glands</li> <li>Uterus &amp; Uterine Tubes</li> <li>Ovary &amp; Vagina</li> </ul>	<ul> <li>Testis</li> <li>Genital Ducts</li> <li>Prostate &amp; Accessory Glands</li> <li>Uterus &amp; Uterine Tubes</li> <li>Ovary &amp; Vagina</li> </ul>	<ul> <li>Sacrum</li> <li>Bony Pelvis &amp; Joints of Pelvis</li> <li>Pelvic Fascia, Pelvic Diaphragm, &amp; Pelvic Peritoneum</li> <li>Male External Genitalia, Scrotum, &amp; Testis</li> <li>Female External Genitalia, Ovaries, Fallopian Tubes</li> <li>Uterus, Cervix &amp; Vagina</li> <li>Prostate Vas Deferens, Seminal Vesicles &amp; Ejaculatory Ducts</li> <li>Ischioanal Fossa</li> <li>Urogenital Diaphragm</li> <li>Perineum, superficial Perineal Pouch and its contents</li> <li>Deep Perineal Pouch and its contents</li> <li>Blood Supply &amp; Lymphatic Drainage of Pelvis &amp; Perineum</li> <li>Sacral and Coccygeal Plexus</li> <li>Radiology, Surface Marking</li> </ul>	<ul> <li>Prostate         (Benign         prostate         hyperplasia)</li> <li>Ovary         (ovarian         cyst)</li> </ul>	<ul> <li>Testis,         Epididym         is,         Ductus         Deferens</li> <li>Seminal         Vesicles,         Prostate</li> <li>Ovary,         Uterus,         Uterine         Tubes</li> </ul>	<ul> <li>Sacrum</li> <li>Bony Pelvis &amp; Joints of Pelvis</li> <li>Pelvic Fascia, Pelvic Diaphragm, &amp; Pelvic Peritoneum</li> <li>Male External Genitalia, Scrotum, &amp; Testis</li> <li>Prostate Vas Deferens, Seminal Vesicles &amp; Ejaculatory Ducts</li> <li>Female External Genitalia, Ovaries, Fallopian Tubes</li> <li>Uterus, Cervix &amp; Vagina</li> <li>Ischioanal Fossa</li> <li>Urogenital Diaphragm</li> <li>Perineum, superficial Perineal Pouch and its contents</li> <li>Deep Perineal Pouch and its contents</li> <li>Blood Supply &amp; Lymphatic Drainage of Pelvis &amp; Perineum</li> <li>Sacral and Coccygeal Plexus</li> </ul>				

# **Categorization of Modular Contents Anatomy**

Category A\*: By Professors

Category B\*\*: By Associate & Assistant Professors

### **Teaching Staff / Human Resource of Department of Anatomy**

Sr. #	<b>Designation Of Teaching Staff / Human Resource</b>	Total number of teaching staff
1.	Professor of Anatomy department	01
2.	Assistant professor of Anatomy department (AP)	01
3.	Demonstrators of Anatomy department	03

### **Contact Hours (Faculty)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	2 * 05 = 10 hours
2.	Small Group Discussions (SGD)	2*12 + 1*2=26 hours
3.	Practical / Skill Lab	1.5 * 15 = 22.5 hours

#### **Contact Hours (Students)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	1 * 5 = 05  hours
2.	Small Group Discussions (SGD)	2*12+ 1*2=26 hours

3.	Practical / Skill Lab	1.5 * 3 = 4.5  hours
4.	Self-Directed Learning (SDL)	1 * 5 = 10  hours

### Physiology

Category A*	Category B**			Category	C***	
LGIS	LGIS	PBL	CBL	Practical's	SGD	SDL
<ul> <li>Monthly Ovarian         Cycle, ovulation</li> <li>(Monthly Endometrial         Cycle and         Menstruation</li> </ul>	<ul> <li>Physiological anatomy of male reproductive system &amp; spermatogenesis</li> <li>Physiological anatomy female reproductive system</li> <li>Semen, capacitation &amp; acrosome reaction</li> <li>Male sex hormones, abnormalities of male sexual function and spermatogenesis</li> <li>Response of mother's body to pregnancy, Parturition</li> <li>Female sex hormones (oestrogen and progesterone)</li> <li>Lactation, milk composition, breast feeding</li> <li>Puberty, menarche, menopause, postmenopausal symptoms &amp; anovulatory cycles, abnormalities of secretion by ovaries</li> <li>Fertilization of ovum, transport, implantation, functions of placenta</li> <li>Hormonal factors in pregnancy, special functional problems in neonate. Prematurity and its problems.</li> </ul>		<ol> <li>Menorrhagia</li> <li>Infertility</li> <li>Neonatal problems of Prematurity</li> </ol>	<ol> <li>Pregnancy test</li> <li>Examination of 7<sup>th</sup> Cranial nerve</li> <li>Examination of 3<sup>rd</sup>,4<sup>th</sup>,6<sup>th</sup> Cranial nerves</li> </ol>		<ol> <li>Fertilization of ovum, transport, implantation, Functions of placenta</li> <li>Growth &amp; functional development of fetus, Adjustments of infant to extrauterine life, Growth &amp; development in child</li> <li>Special functional problems in neonate. Prematurity and its problems</li> </ol>

Category A\*: By Professors

Category B\*\*: By Associate & Assistant Professors

Category C\*\*\*: By Senior Demonstrators & Demonstrators

### **Teaching Staff / Human Resource of Department of Physiology**

Sr. #	Designation Of Teaching Staff / Human Resource	Total Number Of Teaching Staff
1.	Professor of physiology department	01
2.	Associate professor of physiology department	01
3.	Assistant professor of physiology department (AP)	01
4.	Demonstrators of physiology department	10
5.	Residents of physiology department (PGTs)	09

#### **Contact Hours (Faculty) & Contact Hours (Students)**

	Hours Calculation for Various Type of Teaching	Total Hours
Sr. #	Strategies	
1.	Large Group Interactive Session (LECTURES)	$13 \times 2 = 26 \times 1 \text{ hour} = 26 \text{ hours}$
2.	Small Group Discussions (SGD)/CBL	15 x 1.5 hour = 22.5 hours
3.	Problem Based Learning (PBL)	
4.	Practical / Skill Lab	15 x 1.5 hour = 22.5 hours
5.	Self-Directed Learning (SDL)	$3 \times 1 \text{ hour} = 3 \text{ hours}$

Category A*	Category B**			Category C***	
LGIS	LGIS	PBL	CBL	Practical's	SGD
Regulation of gene expression	<ul> <li>Male gonadal hormones</li> <li>Female gonadal hormones</li> <li>Introduction to nucleic acid and purine synthesis</li> <li>Purine catabolism and related disorders</li> <li>Pyrimidine metabolism and related disorders</li> </ul>		• Gout	<ul> <li>Estimation of Uric acid by spectrophometer</li> <li>Estimation of cholesterol by spectrophometer</li> <li>Analysis of Milk</li> </ul>	<ul> <li>Purine synthesis and describe salvage pathway</li> <li>Synthesis, mechanism of action and functions of male and female sex hormones</li> </ul>

#### **Biochemistry**

Category A\*: Assistant Professor (HOD) and APMO (With Postgraduate Qualification)

Category B\*\*: (Senior Demonstrators & APWMO)

Category C\*\*\*: (By All Demonstrators, Senior Demonstrators and APWMO)

## **Teaching Staff / Human Resource of Department of Biochemistry**

Sr. #	Designation Of Teaching Staff / Human Resource	<b>Total Number Of Teaching Staff</b>
1	Assistant professor of biochemistry department (AP)	01
2	Demonstrators of biochemistry department	05

### **Contact Hours (Faculty) & Contact Hours (Students)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours (Faculty)	Total Hours (student)
1.	Large Group Interactive Session (LECTURES)	2 * 6 = 12 hours	06
2.	Small Group Discussions (SGD)	1.5 * 5= 22.5 hours	4.5
3.	Problem Based Learning (PBL)	Zero	zero
4.	Practical / Skill Lab	1.5 * 5= 22.5 hours	4.5
5.	Self-Directed Learning (SDL)		05

#### Reproduction Module (First Week) (27-05-2024 To 01-06-2024)

						(27-03-2024	10 01-00-2024)					
Date/Day	8:00am-9:20	0am	9:20am -	– 10:10am	10:10am – 10:30am	10:3	0am-11:20am	11:20	am-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
27-05-2024 Monday	Practical & SG Topics & venue n at the end Batches, Teacl Venue Mentioned No. 1	nentioned l. ners &	Physiological anatomy of female reproductive system, Prof Dr. Samia Sarwar/	OGY (LGIS)  Physiological anatomy of male reproductive system & spermatogenesis,			LM	S Based Assessi	ment of Block - I			SDL Physiology Physiological anatomy of female reproductive system, Monthly Ovarian Cycle
			Dr Sheena (Even)	Dr Fareed (Odd)								
	Practical & SG	D/CRI		OGY (LGIS)	1		TOMY (LGIS)	BIOCHE	MISTRY (LGIS)	]	SGD/DISSECTION	SDL Anatomy
28-05-2024 Tuesday	Topics & venue n at the end Batches, Teacl Venue Mentioned	nentioned l. ners &	Physiological anatomy of male reproductive system & spermatogenesis,	Physiological anatomy of female reproductive system	<b>*</b>	Special Embryolog Testis	Testis	Gene Expression	Nucleic Acid & purine synthesis		Sacrum, Bony Pelvis & Joints of Pelvis Batches, Teachers & Venue Mentioned in Table No. 2	Sacrum, Bony Pelvis & Joints of Pelvis, Pelvic Fascia, Pelvic Peritoneum, Pelvic Diaphragm &
	No. 1	i iii Tabic	Dr Fareed (Even)	Prof. Dr Samia Sarwar/ Dr Sheena (Odd)	ಡ	Prof. Dr. Ifra (Ever	Assis. Prof. Dr. Maria (Odd)	Dr. Aneela (Even)	Dr. Uzma (Odd)	<b>*</b>	Mentioned in Table No. 2	Contents of Pelvic Cavity
			ANATO	MY (LGIS)	ြ		EMISTRY (LGIS)	PBL 1	(SESSION -I)		SGD/DISSECTION	
	Practical & SG Topics & venue n		Special Histology	Special Embryology	<b>_</b>	Nucleic Acid & puri synthesis	Gene Expression				Pelvic Fascia, Pelvic Peritoneum, Pelvic	SDL Anatomy
29-05-2024	at the end		Testis	Testis Testis		·	-			4)	Diaphragm	External Male Genitalia,
Wednesday	Batches, Teach Venue Mentioned No. 1		Assis. Prof. Dr. Maria (Even)	Prof. Dr Ifra (Odd)	<b>B</b>	Dr. Uzma (Even)	Dr. Aneela (Odd)	P	BL Team	r e	Contents of Pelvic Cavity Dissection Batches, Teachers & Venue Mentioned in Table No. 2	Testis & Scrotum
			PHYSIOL	OGY (LGIS)		ANA	TOMY (LGIS)	GYNAE A	ND OBS (LGIS)	B	SGD/DISSECTION	
	Practical & SG		Monthly Ovarian Cycle,	Semen, Capacitation &		Special Histology	Special Embryology		,			SDL Biochemistry
30-05-2024 Thursday	Topics & venue n at the end Batches, Teach Venue Mentioned	l. ners &	ovulation Monthly Endometrial Cycle and Menstruation	acrosome reaction Male sex hormones, Abnormalities of male sexual function and spermatogenesis		(Genital Ducts and (Prostate & Semina vesicles)		, ,	ancy Complications		External Male Genitalia, Testis & Scrotum (Dissection '& Spotting) Batches, Teachers & Venue	Constituents of Purine synthesis and Salvage Pathway of Purine
	No. 1		Prof. Dr Samia Sarwar/ Dr Sheena (Even)	Dr. Fareed (Odd)		Assis. Prof. Dr. Ma (Even)	Prof. Dr Ifra (Odd)	Dr. Shama Bashir (Even	Dr. Masooda (Odd)		Mentioned in Table No. 2	Metabolism
Date/Day	8:00 AM - 09:	00  AM	09:00AM	- 10:00 AM		10:00  AM - 1	1:00 AM	11:00 A	M – 12:00 PM			
	QURAN TRANS	SLATION -	- I PAK STUD	IES/ISLAMIYAT		ANATOMY	(LGIS)	PHARMAC	COLOGY (LIGIS)			
31-05-2024 Friday	Imaniat-5	Akhlaqiat	-1 Kaamyab logu ki sifaat	Nehru report, Quaid e Azam k 14 nukaat	(Genital	al Embryology Ducts Prostate & essory gland)	Special Histology (Genital Ducts and (Prostate & Seminal vesicles)	Hormona	l Contraceptives			SDL Biochemistry Gene Expression
	Mufti Naeem (Even)	Dr. Faho (Odd)	Mufti Naem (Even)	Qari Aman Ullah (Odd)	Prof.	Dr Ifra (Even)	Assis. Prof. Dr. Maria (Odd)	Dr. Mehmoor Kanwal	na			

	Practical & SGD/CBL	PHYSIOLO	OGY (LGIS)		PBL 1 (SESSION -II)	ANATOM	Y (LGIS)		CBL/DISSECTION	
01-06-2024 Saturday	Tonics & vanua mantioned	Monthly Ovarian Cycle, ovulation Monthly Endometrial Cycle and Menstruation  Prof. Dr Samia Sarwar /Dr. Sheena (Odd)	Semen, Capacitation & acrosome reaction Male sex hormones, Abnormalities of male sexual function and spermatogenesis  Dr. Fareed (Even)	Break	PBL Team	Special Histology Uterus & Uterine Tubes  Assis. Prof. Dr. Maria (Even)	Special Embryology Uterus & Uterine Tubes  Prof. Dr. Ifra (Odd)	Break	Prostate (Vas deferens, seminal vesicles & Ejaculatory Ducts) Batches, Teachers & Venue Mentioned in Table No. 2	SDL Physiology

				Т	able No. 1	(Time: 12:2	0 pm - 02	:00pm)								
stribution f	or Practical		Topics for Skill Lab with Venue				1		r Practic	al / Small	Group Discus	sion				
l subjects)		•	Histology of Testis, epididymis,	Day Histology Practical			Biochemistry		Physiology Practical		Physiology SGD			Biochemistry		
			ductus deferens (Anatomy Histology				I	Practical								
nistry and I	Physiology)		Practical) Venue-Histology		Batch	Teacher	Batch	Teacher	OD	Batch	Teacher	Batch	Teacher Name		Batch	Teacher
			•			Name								Ĭ		Name
Batch	Roll No.	•		Monday	С	~				E	Dr. Kamil	A	Dr. Aneela	- '		Dr. Uzma
A	01-70		- · ·	Tuesday	D	<u> </u>	C	Dr. Nayab	sed	A	Dr. Aneela	В	Dr. Shazia	] Sed	Е	Dr. Almas
В	71-140		Practical) Venue- Biochemistry	Wednesday	E	sec D	D	Dr. Uzma	Ţ	В	Dr. Shazia	C	Dr. Nayab	Ĭ.	A	Dr.
			laboratory			.E. Q			be							Romessa
C		•		Thursday	В	edr F	A	Dr. Almas	Su	D		Е	Dr. Iqra	Su	C	Dr. Nayab
D	211-280		Venue – Physiology Lecture Hall No	Saturday	A	$\mathbf{S}$	Е	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
			5													
Е	281-onwards		Topics for SGDs / CBL with Venue		Т	able No. 2 E			nues for	Anatomy	Small Group	Disscussi	onSGDs / Dissection	ons		
		•	Anatomy CBL: Prostate (Benign	Batches	Ro	l No	Anato	my Teacher								
			prostate hyperplasia)	A	01	-90	Dr. Mir	nahil Haq			•	)4				
		•	Physiology CBL: Menorrhagia	В	91-	180	Dr. Tar	iq Furqan	Anaton	ny Lecture	e Hall 04		Supervised by Pr	of. I	Dr. Ayesh	a Yousaf
			(Venue: Physiology Demo Room	С	181	-270	Dr. Sad	ia Baqir	Anaton	ny Lecture	e Hall 03					
			(Basement))	D	271 o	nwards	Dr. Gai	ti Ara	New Lo	ecture Ha	ll Complex # 0	)1				
		•														
			of purine, describe salvage pathway													
			(Purine Metabolism)													
ı	subjects) nall Group nistry and I  Batch A B	Batch Roll No. A 01-70 B 71-140 C 141-210	subjects) nall Group Disscusion nistry and Physiology)  Batch Roll No. A 01-70 B 71-140  C 141-210 D 211-280  E 281-onwards	<ul> <li>Histology of Testis, epididymis, ductus deferens (Anatomy Histology Practical) Venue-Histology laboratory (DrMinahil Haq)</li> <li>Estimation of serum Uric acid by Spectrophotometer (Biochemistry Practical) Venue- Biochemistry laboratory</li> <li>C 141-210</li> <li>D 211-280</li> <li>E 281-onwards</li> <li>Topics for SGDs / CBL with Venue</li> <li>Anatomy CBL: Prostate (Benign prostate hyperplasia)</li> <li>Physiology CBL: Menorrhagia (Venue: Physiology Demo Room (Basement))</li> <li>Biochemistry tutorial: Deno synthesis of purine, describe salvage pathway</li> </ul>	Topics for Skill Lab with Venue	Topics for Skill Lab with Venue	Topics for Skill Lab with Venue   Subjects   Histology of Testis, epididymis, ductus deferens (Anatomy Histology Practical) Venue-Histology laboratory (DrMinahil Haq)   Batch Roll No.   A 01-70   B 71-140   Practical) Venue-Biochemistry laboratory   Pregnancy test (Physiology Practical) Venue - Physiology Lecture Hall No	Topics for Skill Lab with Venue   Histology of Testis, epididymis, ductus deferens (Anatomy Histology Practical) Venue-Histology laboratory (DrMinahil Haq)   Batch   Roll No.   Estimation of serum Uric acid by Spectrophotometer (Biochemistry laboratory   Practical) Venue-Biochemistry laboratory   Pregnancy test (Physiology Practical)   Wednesday   E   D   D	Subjects   histology of Testis, epididymis, ductus deferens (Anatomy Histology Practical Venue-Histology laboratory (DrMinahil Haq)   Histology Practical Venue-Histology laboratory (DrMinahil Haq)	Topics for Skill Lab with Venue   Schedule for Practical Subjects   Histology of Testis, epididymis, ductus deferens (Anatomy Histology Practical Industry and Physiology)   Practical Venue-Histology Practical Industry   Practical Industry	Topics for Skill Lab with Venue   Schedule for Practical   Subjects	Schedule for Practical subjects)  I Histology of Testis, epididymis, ductus deferens (Anatomy Histology Practical) Venue-Histology laboratory (DrMinahil Haq)  Batch Roll No. A 01-70  B 71-140  B 71-140  D 211-280  E 281-onwards  Pregnancy test (Physiology Prectical) Venue - Physiology Lecture Hall No 5  E 281-onwards  Topics for Skill Lab with Venue  I Histology Practical Biochemistry Practical Blochemistry Practical Blochemistry Practical Monday C Name  Batch Teacher Name  Batch Teacher Name  Batch Teacher Name  Name  Batch Teacher Name  Batch Salval Salval Salval Salval Salva	Schedule for Practical subjects) and Group Disscusion aistry and Physiology) aboratory (DrMinahil Haq)  Batch Roll No. A 01-70 B 71-140 B 8 71-140 D 211-280 D 211-280  E 281-onwards  P 281-onwards  P 3 1-30	Schedule for Practical   Subjects   Schedule for Practical   Schedule for Practical   Schedule for Practical   Small Group Discussion    **Histology of Testis, epididymis, aductus deferens (Anatomy Histology Practical)   Practical   P	Topics for Skill Lab with Venue   Schedule for Practical / Small Group Discussion	Schedule for Practical subjects) A 01-70 Batch Roll No. A 01-70 Spectrophotometer (Biochemistry laboratory (Dr. Minabil Haq) Batch Practical) Batch Practical Physiology SGD Batch Practical Physiology Practical Physiology Practical Physiology Practical Physiology Practical Physiology Practical Physiology SGD Batch Physiology Practical Physiology SGD Batch Physiology Practical Physiology SGD Batch Physiology SGD Batch Physiology Practical Physiology Practical Physiology SGD Batch Physiology Practical P

			(= ====================================							
			• (Venue: Lecture Hall No 2)							
	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions									
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers	
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabeen (PGT	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)	
				Physiology)				(Basement)		
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Prof. Dr. Ifra Saeed	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)	
			Anatomy)	(Professor of Anatomy)				(Basement)		
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Afsheen Batool (PGT	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman	
			Anatomy)	Physiology)				(Basement)	(PGT Physiology)	
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)	
				(Professor of Anatomy)						
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Shazia (Demonstrator	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan	
				Physiology)					(Demonstrator Physiology)	

Table No. 6 Venues for Large Group Interactive Session (LGIS)							
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01						
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04						

### (Reproduction Module Second Week)

(03-06-2024 To 08-06-2024)

						(05-	-00-202 <del>-</del>	10 00-00-2	U <sub>4</sub> T	<u> </u>				
Date/Day	8:00am-9:2	20am	9:20am	– 10:10am	10:10am – 10:30am		10:30am-	11:20am		11:20am	-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
	Practical & SO	CD/CRI	PHYSIOI	LOGY (LGIS			ANATOM	Y (LGIS)		PBL 2 (SE	ESSION -I)	•	SGD/DISSECTION	
03-06-2024 Monday	Topics & venue me the end Batches, Teacher Mentioned in Ta	nentioned at I. rs & Venue	Response of mother's body to pregnancy, Parturition Dr. Sheena (Even)	(oestrogen and progesterone)		Uterus & U	Special Embryology Uterus & Uterine Tubes  Prof. Dr. Ifra(Even)  Special Histology Uterus & Uterine Tubes  Assis. Prof. Dr. Maria		ne	PBL	Team		Male Internal Genital Organs Batches, Teachers & Venue Mentioned in Table No. 2	SDL Biochemistry Mechanism of action of Steroid Hormones and Synthesis of Sex Hormones
			` ′	`			DIO CHIEN HO	(Odd)		DA FELLOY O	ACTI (T CTC)		ace programov	
	Practical & SO	GD/CBL		OGY (LGIS)) Female sex			BIOCHEMIS	TRY (LGIS)		PATHOLO	GY (LGIS)		SGD/DISSECTION	
04-06-2024 Tuesday	Topics & venue m the end Batches, Teacher Mentioned in Ta	l. rs & Venue	Female sex hormones (oestrogen and progesterone)	hormones (oestrogen and progesterone)			eatabolism	Male & Female S Hormones	Sex	Sexually transmitted diseases	BPH/Prostatitis	<b>~</b>	Dissection & Spotting Batches, Teachers & Venue Mentioned in Table No. 2	SDL Physiology Male Reproductive Physiology
			Dr. Shazia (Even)	Dr. Shazia (Even))	<b>~</b>		Uzma / eela(Even)	Dr. Almas(Odd	1)	Dr Sara (Even)	Dr Rabbiya Khalid (Odd)			, ,
			PHYSIOI	OGY (LGIS)	i _		BIOCHEMIS	TRY (LGIS)		PATHOLO		ಡ	CBL/DISSECTION	
05-06-2024 Wednesday	Practical & SC Topics & venue m the end Batches, Teacher Mentioned in Ta	nentioned at d rs & Venue	Lactation, Milk composition, breast feeding Dr. Sheena	Puberty, menarche, menopause PMS & anovulatory cycles, Abnormalities of secretion by ovaries Dr. Shazia (Odd)	r e a	Male & Female Sex Hormones  Purine catabolism  Dr. Almas (Even)  Dr. Uzma/ Dr.			BPH/ Prostatitis  Dr Rabbiya	Sexually transmitted diseases	B r e s	Female Internal Genital Organs (Ovaries, Fallopian Tubes) Uterus & cervix) Batches, Teachers & Venue Mentioned in Table No. 2	SDL Biochemistry Purine Catabolism & Related Disorders	
			(Even)	LOGY (LGIS)	m	DI. 7 III	, ,	Aneela(Odd)		Khalid (Even) SURGER	. ,		SGD/DISSECTION	
06-06-2024 Thursday	Practical & SC Topics & venue m the end Batches, Teacher Mentioned in Ta	nentioned at 1 rs & Venue able No. 1	Puberty, menarche menopausePMS& novulatorycycles, Abnormalities of secretion by ovaried	Puberty, menarche, menopausePMS &anovulatorycyc les, Abnormalities of secretion by ovaries  Dr. Shazia (Even)		PBL 2 (SESSION -II)  PBL Team		Undescend Dr. Raneez (Even)	ded Testes  Dr. Ameen (Odd)		Ischioanal Fossa Urogenital Diaphragm Batches, Teachers & Venue Mentioned in Table No. 2	SDL Anatomy Female Internal Genital Organs Uterus cervix, (Ovaries, Fallopian Tubes)		
Date/Day	8:00 AM - 09			I– 10:00 AM		10:00AM-				11:00 AM - 12:00				
07-06-2024 Friday	QURAN TRANS Akhlaqiat-1	SLATION – II  Imaniat-5	Special Histology Ovary&Vagir	Special Embryology Ovary&Vagina	Fertilization transp implanta Functions of	of ovum, ort, ation,	of ovum, Growth & functional development of fetus, tion, Adjustments of infant to Ethic		ical dilemmas Involving breech in Autonomy			SDL Anatomy Internal Genital Organs as deferens, seminal vesicles & ejaculatory ducts)		
	Dr. Fahd Mufti Naeem Assis. Prof. Dr. Prof. Dr. Ifra Dr. Shazia (Even) Dr. Usman (odd) Anwar (Even) Sherazi(Odd) Maria (Even) (Odd)			Biomedical ethics PBL/ SGD team detail given on next page										
08-06-2024 Saturday	Practical & SC Topics & venue m the end Batches, Teacher Mentioned in Ta	GD/CBL nentioned at d rs & Venue	, , , , , , , , , , , , , , , , , , , ,	, (000)			Early Clinical Exposure						SDL Physiology Female Reproductive Physiology Online Clinical Evaluation	

	Table No. 1 (Time: 12:20pm – 02:00pm)															
Batch Di	istribution f	or Practical	Topics for Skill Lab with Venue					Schedule fo	r Practica	al / Small	Group Discus	sion				
Skills (al	ll subjects)	Histology of Seminal Vesicles &		Day Histology Practical			Bio	chemistry	Physiology Practical				ysiology SGD		Biochemistry SGD	
		Disscusion	Prostate (Anatomy Histology				F	ractical								
(Biocher	nistry and l	Physiology)	Practical) Venue-Histology		Batch	Teacher	Batch	Teacher	НОБ	Batch	Teacher	Batch	Teacher Name	)D	Batch	Teacher
			Laboratory (DrSadia Baqir)			Name		Name	Н		Name			Ж		Name
Sr. No	Batch	Roll No.	Estimation of Cholestrol by	Monday	C		В	Dr. Rahat	by	Е	Dr. Kamil	Α	Dr. Aneela	by	D	Dr. Uzma
1.	A	01-70	Spectrophotometer (Biochemistry	Tuesday	D	by	C	Dr. Nayab	eq	A	Dr. Aneela	В	Dr. Shazia	eq	Е	Dr. Almas
2.	В	71-140	Practical) Venue- Biochemistry	Wednesday	Е	sed D	D	Dr. Uzma	vis	В	Dr. Shazia	С	Dr. Nayab	vis	A	Dr.
			Laboratory			rvise 10D			per					peı		Romessa
3.	C	141-210	<ul> <li>Examination of VII Cranial Nerves</li> </ul>	Thursday	В	pe F	A	Dr. Almas	Sup	D	Dr. Iqra	Е	Dr. Iqra	Su	C	Dr. Nayab
4.	D	211-280	(Physiology Practical) Venue –	Saturday	A	Sul	Е	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
			Physiology Lab													
5.	Е	281-onwards	Topics for SGDs / CBL with Venue		T	able No. 2 E	atch Dist	ribution and Ve	nues for	Anatomy	Small Group	Discussio	on SGDs / Dissection	ons		
			Anatomy CBL: Ovarian Cysts	Batches	Rol	l No	Anato	my Teacher		Ve	nue					
			Physiology CBL: Infertility (Venue:	A	01	-90	Dr. Mir	ahil Haq	New Le	ecture Hal	l Complex # 0	)4	Supervised by Pr	of. D	r. Ayesh	a Yousaf
			Lecture Hall No 5)	B 91-180		Dr. Tar	q Furqan	Anaton	ny Lecture	Hall 04						
			Biochemistry CBL: Gout: (Lecture)	C	C 181-270		Dr. Sadia Baqir		Anatomy Lecture Hall 03							
			Hall No 2)	D	271 o	nwards	Dr. Gai	ti Ara	New Le	ecture Hal	1 Complex # 0	1				

			Table No. 3	Batch Distribution with Venues a	and Teacl	ners Name f	for Problem Based	Learning (PBL) Sessions	
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rahima PGT (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha Yousaf (Professor of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)								
Odd Roll Numbers New Lecture Hall Complex Lecture Theater #								
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04							

#### Reproduction Module (Third Week) (10-06-2024 To 15-06-2024)

					`	024 10 15-0	00-2024)							
Date/Day	8:00am-	9:20am	9:20a	m – 10:10am	10:10am – 10:30am	10:30	am-11:20am	11:20am	-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)		
10-06-2024 Monday	Practical & SGD/CBL Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1		Growth &functional development of fetus, Adjustments of infant to extrauterine life, Growth & development in child	Fertilization of ovum, transport, implantation, Functions of placenta		FAMILY M	AIDS  Dr. Amna Rauf		AL SCIENCES otion		Perineum, Superficial Perineal Pouch & Contents Deep Perineal Pouch & Contents Batches, Teachers & Venue Mentioned in	SDL Anatomy Ischioanal Fossa Urogenital Diaphragm		
			Dr. Usman (Even)	Dr. Shazia (Odd)		(Even)	(Odd)				Table No. 2			
			PHYSIC	OLOGY (LGIS)			Y MEDICINE (LGIS)	GYNAE ANI	O OBS (LGIS)		SGD/DISSECTION			
11-06-2024 Tuesday	Practical & Topics & venue the	e mentioned at	Special functional problems in neonate.  Prematurity and its problems	Hormonal factors in pregnancy	a X	Sexually Transmitted Diseases (STDs)	Acquired immunodeficiency syndromes (AIDs)	Menstrual i	rregularities		Blood Supply, Venous Drainage & Lymphatic Drainage of Pelvis &	SDL Biochemistry Pyrimidine		
Tuesday			the end Batches, Teachers & Venue Mentioned in Table No. 1		Dr. Usman (Even)	Dr. Sheena (Odd)	٥	Dr. Abdul Qadous (Even)	Dr. Asif (Odd)	Dr Saima Khan (Even)	Dr. Zainab (Odd)		Perineum Batches, Teachers & Venue Mentioned in Table No. 2	Metabolism & Related Disorde
			PHYSIC	DLOGY (LGIS)	Ľ	BIOCHE	MISTRY (LGIS)	COMMUNITY M	IEDICINE (LGIS)		SGD/DISSECTION			
12-06-2024 Wednesday	Practical & SGD/CBL Topics & venue mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1		Hormonal factors in pregnancy	Special functional problems in neonate. Prematurity and its problems	<b>B</b>	Sex hormones-II	Pyrimidine Metabolism	Acquired immunodeficiency syndromes (AIDs)	Sexually Transmitted Diseases (STDs)	a k	Sacral & Coccygeal Plexus Dissection & Spotiing Batches, Teachers &	SDL Physiology Neonatal physiology		
			Dr. Sheena (Even)	Dr. Usman (Odd)		Dr. Almas (Even)	Aneela (Odd)	Dr. Asif (Even)	Dr. Abdul Qadous (Odd)	e	Venue Mentioned in Table No. 2			
	Practical & SGD/CBL Topics & venue mentioned at the end  Special Embryology Ovary&Vagina  Ovary&Vagina			BIOMEI	DICAL EHTICS	BIOCHEMIS	STRY (LGIS)	I	SGD/DISSECTION					
13-06-2024 Thursday							practice involving breach ciple of justice	Pyrimidine Metabolism	Sex hormones-II	Ľ	Cross-Sectional Anatomy Batches, Teachers &	SDL Biochemistry Pyrimidine Metabolism		
	Batches, Teacl Mentioned in		Prof. Dr. Ifra (Ever	Assis. Prof. Dr. Maria (Odd)		Biomedical ethics PBL/ SGD team detail given on next page		Dr. Uzma/ Dr. Aneela (Even)	Dr Almas (Odd)		Venue Mentioned in Table No. 2	& Related Disorde		
Date/Day	8:00 AM -	09:00 AM	09:00A	M – 10:00 AM			10:00 AM - 12:00 I	PM						
14-06-2024	QURAN TRAN	SLATION - III	PAK STUI	DIES/ISLAMIYAT			BIOMEDICAL EHT	- 10						
Friday	Imaniat-6 Mufti Naeem	Akhlaqiat-2 Dr. Fahd	Haqook Ul Ebad Mufti Naem	Tareek e Ali Garh Oari Aman Ullah	Ethical o	lilemmas in healthca	re practice involving breac maleficence	ch in principle of beneficence and non-						
	Sherazi (Even)	Anwar (Odd)	(Odd)	(Even)		Biomedical 1	Ethics PBL/ SGD team det	ail given on next page						
				GERY (LGIS)			AND OBS (LGIS)		OGY(LGIS)		SGD/DISSECTION	SDL Anatomy SDL		
				nypogonadism ate Scrotum	~	S	ubfertily	Polycyst	ic ovaries			AnatomyPerineum, Superficial Perineal Pouch & Contents		
15-06-2024 Saturday	Practical & Topics & venue the of Batches, Teach Mentioned in	e mentioned at end hers & Venue	Dr. Faraz (Even)	Dr. Faraz Butt (Odd)	B r e a	Dr. Farah (Even)	Dr. Saira Ahmed (Odd)	Dr Rabbiya Khalid (Even)	Dr Sara (Odd)		Radiology Batches, Teachers & Venue Mentioned in Table No. 2	Deep Perineal Pouch & Contents Blood Supply, Venous Drainage & Lymphatic Drainage of Pelvis & Perineum Sacral & Coccygeal Plexus Online Clinical Evaluation		

				Т	able No. 1	(Time: 12:2	0pm – 02	:00pm)							
Batch Distribution for Practical Topics for Skill Lab with Venue Schedule for Practical / Small Group I					Group Discuss	sion									
Skills (a	l subjects)		Histology of uterus, uterine tube	Day	Histolog	y Practical	Bio	chemistry		Physiol	ogy Practical	Phy	ysiology SGD	Bio	chemistry SGD
		Disscusion	and ovary (Anatomy Histology				F	Practical						$\circ$	
(Biocher	nistry and	Physiology)	Practical) Venue-Histology		Batch	Teacher	Batch	Teacher	НОБ	Batch	Teacher	Batch	Teacher Name	🖸 Bat	ch Teacher
			Laboratory (DrGaiti Ara)			Name		Name	λH		Name			y E	Name
Sr. No	Batch	Roll No.	Milk Analysis (Biochemistry	Monday	C	by	В	Dr. Rahat	d b	Е	Dr. Kamil	A	Dr. Aneela	d b	Dr. Uzma
1.	A	01-70	Practical) Venue- Biochemistry	Tuesday	D	р	C	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	ise	Dr. Almas
2.	В	71-140	Laboratory	Wednesday	Е	ervise HOD	D	Dr. Uzma	erv.	В	Dr. Shazia	C	Dr. Nayab	erv.	Dr.
			Examination of III, IV & VI Cranial						dn					)dn	Romessa
3.	C	141-210	Nerves (Physiology Practical)	Thursday	В	dnş	A	Dr. Almas	S	D	Dr. Iqra	Е	Dr. Iqra	S	Dr. Nayab
4.	D	211-280	Venue – Physiology Lab	Saturday	A	S	E	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil	I	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Venue		T	able No. 2 E	Batch Dist	ribution and Ve	enues for	Anatomy	Small Group	Discussio	on SGDs / Dissection	ns	
			Physiology SGD: Special Problems	Batches	Ro	ll No	Anato	my Teacher	Venue						
			of Prematurity (In Neonate) (Venue:	A	01	-90	Dr. Mir	ahil Haq	New L	ecture Hal	l Complex # 0	)4			
			Lecture Hall No 5)	В	91-	-180	Dr. Tar	iq Furqan	Anator	ny Lecture	Hall 04		Supervised by Pro	of. Dr. A	esha Yousaf
			Biochemistry SGD: Synthesis	C 181-270				Anatomy Lecture Hall 03							
			mechanism of action and funtions	D	271 o	nwards	Dr. Gai	ti Ara	New L	New Lecture Hall Complex # 01		1			
			of sex hormones: Lecture Hall No												

	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions								
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)
				Biochemistry)				(Basement)	
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(Demonstrator of				(Basement)	
				Physiology)					
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman
			Anatomy)	(Demonstrator Biochemistry)				(Basement)	(PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Zeneara Saqib	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
				(Senior Demonstrator of					
				Anatomy)					
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan
				Physiology)					(Demonstrator Physiology)
				No PB	L Session	during this	week		

No PBL Session during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)					
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01				
Even Roll Number New Lecture Hall Complex Lecture Theater #					

2)

#### Schedule for LMS Based Weekly Online Assessments for Second Year MBBS (Reproduction Module) Batch 50

The online assessment for Reproduction Module for Second Year MBBS will be as per following schedule:

Class	Module	Day & Date	Time of Assessment	Focal person	Department Responsible
		Monday 3 <sup>rd</sup> June,2024	9:00 pm- 9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 4 <sup>th</sup> June,2024	9:00 pm- 9:30pm	Prof. Dr Samia Sarwar	Physiology
Second Year MBBS	Reproduction Module	Wednesday 5 <sup>th</sup> June,2024	9:00 pm- 9:30pm	Dr Aneela Jamil	Biochemistry
		Monday 10 <sup>th</sup> June,2024	9:00 pm- 9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 11 <sup>th</sup> June,2024	9:00 pm- 9:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 12 <sup>th</sup> June,2024	9:00 pm- 9:30pm	Dr Aneela Jamil	Biochemistry

#### Reproduction Module (Fourth Week) (17-06-2024 To 26-06-2024)

Date/time	9:00am - 12:00pm	12:00-02:00pm
17-06-2024		
Monday		
18-06-2024		Eid Ul Adha Holidays
Tuesday		Ela Ol Adila Holidays
19-06-2024		
Wednesday		
20-06-2024		
Thursday		
21-06-2024		
Friday		
22-06-2024		
Saturday		
		Assessment Week
24-06-2024		
Monday		
25-06-2024		
Tuesday		
26-06-2024		
Wednesday		
Wednesday		

<sup>\*</sup>Note: Detailed notice regarding content, time and venue will be issued accordingly

**Note:** Timetable Subject to change according to the current circumstances.



#### **CNS Module Team**

Module Name : CNS Module
Duration of module : 06 Weeks

Coordinator : Dr. Arsalan Manzoor Mughal

Co-coordinator : Dr. Gaiti Ara

Reviewed by : Module Committee

	Module Committee	ee		Module Task Force Team				
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Arsalan Manzoor Mughal (Associate Professor of Anatomy)			
2.	Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima			
3.	Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	3.	Co-coordinator	Dr. Gaiti Aara ((APWMO of Anatomy)			
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Rahat (Senior Demonstrator of Biochemistry)			
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Shazia (Senior Demonstrator of Physiology)			
6.	Focal Person Anatomy Second Year MBBS	Dr. Maria Tasleem			•			
7.	Focal Person Physiology	Dr. Sidra Hamid		I	OME Implementation Team			
			1.	Director DME	Prof. Dr. Ifra Saeed			
8.	Focal Person Biochemistry	Dr. Aneela Jamil	2.	Assistant Director DME	Dr Farzana Fatima			
9.	Focal Person Pharmacology	Dr. Zunera Hakim	3.	DME Implementation Team	Prof. Dr. Ifra Saeed			
					Dr. Farzana Fatima			
					Dr. Saira Aijaz			
10.	Focal Person Pathology	Dr. Asiya Niazi	4.	Editor	Muhammad Arslan Aslam			
11.	Focal Person Behavioral Sciences	Dr. Saadia Yasir						
12.	Focal Person Community Medicine	Dr. Afifa Kulsoom						
13.	Focal Person Quran Translation	Dr. Uzma Zafar						
	Lectures							
14.	Focal Person Family Medicine	Dr. Sadia Khan						

## **Discipline Wise Details of Modular Contents**

Subjects	Embryology	Histology	General Anatomy	Gross Anatomy
• Anatomy	<ul> <li>Early CNS Development</li> <li>Spinal Cord</li> <li>Hindbrain &amp; Cerebellum</li> <li>Midbrain</li> <li>Forebrain</li> <li>Peripheral Nervous System</li> </ul>	<ul> <li>Ganglia</li> <li>Peripheral Nerves</li> <li>Spinal Cord</li> <li>Cerebellum</li> <li>Cerebrum</li> </ul>	<ul> <li>General Anatomy of Nervous System</li> <li>General Anatomy of Autonomic Nervous System.</li> </ul>	<ul> <li>Anterior, Middle &amp; Posterior cranial fossae</li> <li>Meninges, Dural venous sinuses, and intracranial hemorrhages</li> <li>Spinal cord &amp; Tracts</li> <li>Brain stem (Medulla oblongata, Pons, cerebellum &amp; Midbrain)</li> <li>Diencephalon</li> <li>Cerebrum</li> <li>CSF and Ventricular System</li> <li>Cranial nerves</li> <li>Basal ganglia</li> <li>Limbic system &amp; Reticular formation</li> <li>Blood Supply of Brain</li> <li>Radiological Imaging of CNS</li> <li>Cross Sectional Anatomy of CNS</li> </ul>
Biochemistry	<ul> <li>Fatty acid metabolism</li> <li>Cholesterol Metabolism</li> <li>Ketone bodies metabolism</li> <li>Lipoproteins and Phospho</li> <li>Fatty Liver and hyper Lip</li> <li>Glycerophospholipid &amp; Special Section</li> </ul>	lipids idemias.		
• Physiology	<ul> <li>Sensory pathways for tran</li> <li>Introduction to autonomic</li> <li>Somatosensory cortex &amp; 1</li> </ul>	eceptors, Properties of smission pathway for transmission smitting somatic sign nervous system Basicesions of Somatosens	of sensory receptors sion of pain, Analgesia System and Then hals c Characteristics of sympathetic & parasy	

	CSF, Blood brain barrier, Blood CSF Barrier, Lumber puncture
	• Concept of Association areas,
	Concept of Dominant and non-dominant cerebral hemispheres
	• Limbic system,
	• Functions of hypothalamus
	• Speech and aphasia
	Learning and memory
	Reticular activating system and sleep
	• EEG and epilepsy
	• Introduction to motor nervous system & Reflex action, Conditioned reflexes & Properties of reflex action, Control of spinal cord
	reflexes by higher centers
	• Introduction to cerebellum, Neuronal circuits of cerebellum, and its motor functions
	Muscle spindle & Golgi tendon organ, Role of muscle spindle and Golgi tendon organ in voluntary motor activity
	Spiral Courses
The Holy Quran	• Imaniyaat-5
Translation	• Imaniyaat-6
	Momalat-I
	Momalat-II
Pak Studies / Islammiyat	• Musawat
	• Tehreek-e-Pakistan (1940-1947)
	Khwateen k hakook
	Qayam e Pakistan, Ibtidai Mushkilaat
Bioethics &	Ethical dilemmas in healthcare practice involving breach in principle of autonomy
Professionalism	• Ethical dilemmas in healthcare practice involving breach in principle of beneficence and non-maleficence
	<ul> <li>Ethical dilemmas practice involving breach in principle of justice</li> </ul>
Radiology & Artificial	Skull radiograph
Intelligence	CT Scan & MRI
Family Medicine	Approach to a patient with headache
Behavioral Sciences	Emotions
- Benavioral Sciences	Memory
	Vertical Integration
Pharmacology	Introduction to CNS
D 4 1	Patterns of injury in nervous system
• Pathology	
• Dadiatrias	Meningitis     Maningitis
• Pediatrics	• Meningitis

	Cerebral palsy, Polio
• Surgery	Spinal injury and head injury
2 digety	<ul> <li>Management of hydrocephalus</li> </ul>
	Brain abscess
	Polytrauma patient
Medicine	Spinal cord and peripheral nervous system
	• Encephalitis
	<ul> <li>Cerebellar disorders</li> </ul>
	Epilepsy and other convulsive disorders
	• Stroke
Gynecology & Obs	Seizures during pregnancy (eclampsia/ epilepsy)
, c,	Early Clinical Exposure
Medicine	Cases of stroke
	• Paraplegia
	Vegetative state
Surgery/ Neurosurgery	Head injury.
	Nerve injuries
Radiology	• CT scan
	• Brain
	• Normal
	• Stroke
	Hemorrhage
	Infarction Hydrocephalus
	Brain atrophy
	Brain Edema
	Skull/ spine Fractures
	MRI Brain/ Spine

# **Categorization of Modular Contents Anatomy**

Category A*	Catego	ory B**		Category	y C***	
Special Embryology	Special Histology	General Anatomy	Demonstrations / SGD	CBL	Practical's	Self-Directed Learning (SDL)
<ul> <li>Early CNS         Development</li> <li>Spinal Cord</li> <li>Hindbrain &amp;         Cerebellum</li> <li>Midbrain</li> <li>Forebrain</li> <li>Peripheral         Nervous System</li> <li>Development of         Cranium</li> </ul>	<ul> <li>Ganglia</li> <li>Peripheral Nerves</li> <li>Spinal Cord</li> <li>Cerebellum</li> <li>Cerebrum</li> </ul>	General Anatomy of Nervous System General Anatomy of Autonomic Nervous System  Output  Description:	<ul> <li>Anterior, Middle &amp; Posterior cranial fossae</li> <li>Meninges, Dural venous sinuses, and intracranial hemorrhages</li> <li>Spinal cord &amp; Tracts</li> <li>Brain stem (Medulla oblongata, Pons, cerebellum &amp; Midbrain)</li> <li>Diencephalon</li> <li>Cerebrum</li> <li>CSF and Ventricular System</li> <li>Cranial nerves</li> <li>Basal ganglia</li> <li>Limbic system &amp; Reticular formation</li> <li>Blood Supply of Brain</li> <li>Radiological Imaging of CNS</li> <li>Cross Sectional Anatomy</li> </ul>	<ul> <li>Cystic         Astrocytoma         of cerebellum</li> <li>Stroke</li> </ul>	<ul> <li>Ganglia</li> <li>Peripheral Nerves</li> <li>Spinal Cord</li> <li>Cerebellum</li> <li>Cerebrum</li> </ul>	<ul> <li>Anterior, Middle &amp; Posterior cranial fossae</li> <li>Meninges, Dural venous sinuses, and intracranial hemorrhages</li> <li>Spinal cord &amp; Tracts</li> <li>Brain stem (Medulla oblongata, Pons, cerebellum &amp; Midbrain)</li> <li>Diencephalon</li> <li>Cerebrum</li> <li>CSF and Ventricular System</li> <li>Cranial nerves</li> <li>Basal ganglia</li> <li>Limbic system &amp; Reticular formation</li> <li>Blood Supply of Brain</li> <li>Radiological Imaging of CNS</li> </ul>

**Category A\*:** By Professors

Category B\*\*: By Associate & Assistant Professors

Category C\*\*\*: By Senior Demonstrators & Demonstrators

## **Teaching Staff / Human Resource of Department of Anatomy**

Sr. #	Designation Of Teaching Staff / Human Resource	Total number of teaching staff
1.	Professor of Anatomy Department	03
2.	Associate professor Of Physiology Department	02
	Assistant professor of Anatomy Department (AP)	01
3.	Demonstrators of Anatomy Department	04

### **Contact Hours (Faculty)**

Sr. #	Hours Calculation for Various Type of Teaching	Total Hours
	Strategies	
1.	Large Group Interactive Session (LGIS)	11*2 = 22  hours
2.	Small Group Discussions (SGD)	22*2= 44 hours
3.	Practical / Skill Lab	7.5*5= 37.5 hours

### **Contact Hours (Students)**

Sr. #	Hours Calculation for Various Type of Teaching	Total Hours
	Strategies	
1.	Large Group Interactive Session (LGIS)	1*11 = 11 hours
2.	Small Group Discussions (SGD)	2*22= 44 hours
3.	Practical / Skill Lab	1.5 *5 = 7.5 hours
4.	Self-Directed Learning (SDL)	2*10 = 20  hours

## Physiology

Category A & B*						
LGIS		CBL		Practical's	SGD	SDL
<ul> <li>Organization of nervous system, Mechanism of synaptic transmission</li> <li>Classification of sensory receptors, Properties of sensory receptors</li> <li>Properties of synaptic transmission</li> <li>Physiology of pain, Dual pathway for transmission of pain, Analgesia System and Thermal sensations</li> <li>Sensory pathways for transmitting somatic signals</li> <li>Introduction to autonomic nervous system Basic Characteristics of sympathetic &amp; parasympathetic function</li> <li>Somatosensory cortex &amp; lesions of Somatosensory cortex</li> <li>Excitatory &amp; inhibitory effects of sympathetic &amp; parasympathetic stimulation</li> <li>CSF, Blood brain barrier, Blood CSF Barrier, Lumber puncture</li> <li>Concept of Association areas,</li> <li>Concept of Dominant and non-dominant cerebral hemispheres</li> <li>Limbic system,</li> <li>Functions of hypothalamus</li> <li>Speech and aphasia</li> <li>Learning and memory</li> <li>Reticular activating system and sleep</li> <li>EEG and epilepsy</li> <li>Introduction to motor nervous system &amp; Reflex action, Conditioned reflexes &amp; Properties of reflex action, Control of spinal cord reflexes by</li> </ul>		Gullain Barr syndrome	1. 2. 3. 4. 5. 6.	Examination of sensory nervous system Examination of Motor System Examination of Cerebellar System Ophthalmoscopy E Determination of field of vision	<ol> <li>Synapse &amp; sensory Receptors</li> <li>Autonomic Nervous System</li> <li>Motor nervous system, muscle spindle and Golgi tendon organ</li> <li>Motor Nervous System</li> <li>Basal Ganglia &amp; limbic system</li> <li>Analgesia system</li> <li>Cerebellum</li> </ol>	<ol> <li>Sensory pathways for transmitting somatic signals</li> <li>Somatosensory cortex &amp; lesions of Somatosensory cortex</li> <li>Introduction to autonomic nervous system Basic Characteristics of sympathetic &amp; parasympathetic function</li> <li>Excitatory &amp; inhibitory effects of sympathetic &amp; parasympathetic</li> <li>stimulation</li> <li>CSF, Blood brain barrier, Blood CSF Barrier, Lumber puncture</li> <li>Limbic system,</li> <li>Functions of hypothalamus</li> <li>Concept of Association areas, Concept of Dominant and nondominant cerebral hemispheres</li> <li>Speech and aphasia</li> <li>EEG and epilepsy</li> <li>Reticular activating system and sleep</li> <li>Muscle spindle &amp; Golgi tendon organ, Role of muscle spindle and</li> <li>Golgi tendon organ in voluntary motor activity</li> <li>Motor cortex &amp; physiological importance of neocortex,</li> <li>Corticospinal or pyramidal tract,</li> </ol>

higher centers	Extra pyramidal system
Introduction to cerebellum, Neuronal circuits of	19. Basal Ganglia & Lesions
cerebellum,	
• and its motor functions	Off Campus:
Muscle spindle & Golgi tendon organ, Role of	1. Organization of nervous
muscle spindle and Golgi tendon organ in	system
voluntary motor activity	2. Classification of sensory
Manifestations of cerebellar disease	receptors
Polysynaptic reflexes & Transection of spinal	3. Sensory pathways for
cord,	transmitting somatic signals
Role of brain stem in controlling motor	4. Physiology of pain, Dual
functions & Lesions of motor system	5. pathway for
Motor cortex & physiological importance of	6. transmission of pain,
neocortex, Corticospinal or pyramidal tract,	7. CSF, Blood brain barrier,
Extra pyramidal system	Blood CSF Barrier,
Basal Ganglia & Lesions	8. Lumber puncture
Basar Gangna & Lesions	9. Muscle spindle &
	10. Golgi tendon organ,
	11. Hypothalamus
	12. Properties of reflex
	13. action, Control of spinal cord
	14. reflexes by higher centers
	15. Reticular activating system
	16. and sleep, EEG and epilepsy
	17. Introduction to cerebellum,
	18. Neuronal circuits of
	cerebellum
	19. Basal Ganglia & Lesions

Category A\*: By Professors

Category B\*\*: By Associate & Assistant Professors

Category C\*\*\*: By Senior Demonstrators & Demonstrators

## **Teaching Staff / Human Resource of Department of Physiology**

Sr. #	Designation Of Teaching Staff /	Total number ofteaching staff
	HumanResource	
1.	Professor of physiology department	01
2.	Associate professor of physiology department	01
3.	Assistant professor of physiology department (AP)	01
4.	Demonstrators of physiology department	07
5.	Residents of physiology department (PGTs)	08

### **Contact Hours (Faculty) & Contact Hours (Students)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LECTURES)	1 x 22= 22 x 1 hour = 22 hours
2.	Small Group Discussions (SGD)/CBL	25 x 1.5 hour = 37.5+2= 39.5 hours
3.	Problem Based Learning (PBL)	
4.	Practical / Skill Lab	25 x 1.5 hour = 37.5 hours
5.	Self-Directed Learning (SDL)	oncampus $14 \times 1$ hour $= 14$ hours
		off campus $11x1 = 11$ hours

### **Biochemistry**

Category A & B	Category C***							
LGIS	PBL	CBL	Practical's	SGD				
Triglyceride Metabolism, Fatty acid transport		• IHD	<ul> <li>Color Test for Sterols</li> </ul>	• Triglycerides & F.A.				
Oxidation of fatty acid		Respiratory Distress	<ul> <li>Detection of Cholesterol</li> </ul>	oxidation				
Oxidation of fatty acid		Syndrome	Crystals	Fatty acid synthesis &				
• Fatty acid synthesis			<ul> <li>Estimation of serum</li> </ul>	cholesterol metabolism				
Cholesterol Synthesis			TAGS	Ketone bodies &				
Plasma Cholesterol level			<ul> <li>Estimation of Serum HDL</li> </ul>	Phospholipids				
Ketone bodies metabolism			<ul> <li>Lipid Solubility &amp;</li> </ul>	Lipoprotein (HDL)				
Biosynthesis of Glycerophospholipid			Acrolein test	Lipoprotein (VLDL, LDL)				
Biosynthesis of sphingophospholipids								
Introduction to Lipoproteins								
• LDL& HDL								
Disorders of lipoprotein metabolism								
Fatty liver & Adipose tissues								
Disorders of lipoprotein metabolism								

<sup>\*:</sup> Assistant Professor (HOD) and APMO (With Postgraduate Qualification)

Category B\*\*: (Senior Demonstrators & APWMO)

Category C\*\*\*: (By All Demonstrators, Senior Demonstrators and APWMO)

## **Teaching Staff / Human Resource of Department of Biochemistry**

Sr. #	<b>Designation Of Teaching Staff / Human Resource</b>	Total number of teaching staff
1	Assistant professor of biochemistry department (AP)	01
2	Demonstrators of biochemistry department	06

#### **Contact Hours (Faculty) & Contact Hours (Students)**

	Hours Calculation for Various Type of	Total Hours	Total Hours
Sr. #	<b>Teaching Strategies</b>	(Faculty)	(student)
1.	Large Group Interactive Session (Lectures)	2 * 5 = 10  hours	05
2.	Small Group Discussions (SGD)	7.5 * 7 = 37.5  hours	7.5
3.	Problem Based Learning (PBL)	2*1= 2 hours	2
4.	Practical / Skill Lab	7.5 * 5 = 37.5  hours	7.5
5.	Self-Directed Learning (SDL)		05

## Second Year Timetable for CNS Module (First Week) (29-07-2024 To 03-08-2024)

Date/Day	8:00am-9:20am	9:20am – 10:	:10am	10:10am – 10:30am	10:30am-	-11:20am	11:20am-1	2:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments				
29-07-2024 Monday	Practical & CBL/SGD Topics & Venue Mentioned at the end	PHYSIOLOGY Organization of nervous system, Mechanism of synaptic transmission Dr. Faizania (Even)	Classification of sensory receptors &Properties of sensory receptors  ProfDr. Samia / Dr. Kamil(Odd)		General Anatomy Nervous system Assoc. Prof. Dr. Arsa Manzoor (Even)	Embryology Early development of CNS	SDL		SDL		<u> </u>			Anterior and Middle Cranial Fossa	SDL Physiology Organization of nervous system, Mechanism of synaptic transmission
		PHYSIOLOGY			ANATOM	IY (LGIS)	PBL 1 (SES	SSION-I)		SGD / DISSECTION					
30-07-2024 Tuesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	Classification of sensory receptors &Properties of sensory receptors	Organization of nervous system, Mechanism of synaptic transmission		Embryology Early development of CNS	General anatomy Nervous system	PBL T	eam		Posterior cranial fossa	SDL Physiology Classification of sensory receptors				
	Cita	Prof. Dr. Sami Sarwar/ Dr. Kamil (Even)	Dr. Fazania(Odd)	×	Prof. Dr. Ifra Ass Saeed (Even)	soc. Prof .Dr. Arsalan Manzoor (Odd)			<b>~</b>		sensory receptors				
		PHYSIOLOGY		e a	ANATOM	IY (LGIS)	BIOCHEMIS	ΓRY (LGIS)	e a	SGD / DISSECTION					
31-07-2024 Wednesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	Properties of synaptic Transmission	gy of Pain, dual Pathway for ion of pain, Analgesia system nd thermal sensation	Вге	Embryology Development of Spinal Cord	General Anatomy Autonomic Nervous System	Triglyceride Metabolism Transport	Introduction to Lipoproteins, ylomicrons, VLDL Metabolism	Bre	Meninges, Dural venous sinuses and intracranial	SDL Biochemistry Chylomicron Metabolism				
	U.G.	Dr. Fazania (Even) Prof Dr. Samia / Dr. Kamil (Odd)			Saeed (Even)	soc. Prof .Dr. Arsalan Manzoor (Odd)	Dr. Aneela (Even) Dr. Kashif (Odd)			hemorrhages					
		PHYSIOLOGY (LGIS)			ANATOM	IY (LGIS)	BIOCHEMISTRY (LGIS)			SGD / DISSECTION	SDL Anatomy				
01-08-2024 Thursday	Practical & CBL/SGD Topics & Venue Mentioned at the end	Physiology of Pain, dual Pathway for Transmission of pain, Analgesia system and thermal sensation	rties of synaptic transmission		General anatomy Autonomic Nervous system	Embryology Development of Spinal Cord	Introduction to Lipoproteins, chylomicrons, VLDL Metabolism	Triglyceride Metabolism Transport		Spinal Cord	Posterior cranial fossa Dural venous sinuses and intracranial				
		Prof Dr. Samia / Dr. Kamil (Even)	Dr. Faizania (Odd)		Assoc. Prof. Dr. Arsa Manzoor (Even)	alan Prof. Dr. Ifra Saeed (Odd)	Dr. Kashif (Even)	Dr. Aneela (Odd)			hemorrhages				
	8:00am-900am	9:00am-10:0	00am		10:00am-11:00am		11:00am-12:00pm								
	PEDIATRICS	PHYSIOLOGY			QURAN TRANSLATION		QURAN TRANSLATION								
02-08-2024 Friday	Meningitis	Sensory Pathways for transmitting Somatic Signals	Introduction to AN, Basic Characteristics of Sympathetic & Parasympathetic		Imaniyaat-5		Imaniyaat-6								
	Dr. Mamoona Dr. Tanzeela Qudrat(Even) Rani(Odd)	Dr. Fahd (Even)	Dr Uzma (Odd)		Mufti Naeem Sherazi	(Odd)	Mufti Naeem S	herazi (Even)							
		PHYSIOLOGY	Y (LGIS)		PATHOLOGY		PBL 1 (SESSION-II)			SGD / DISSECTION					
03-08-2024 Saturday	Practical & CBL/SGD Topics & Venue Mentioned at the end	Introduction to ANS ,Basic Characteristics of Sympathetic & Parasympathetic	thways for transmitting Somatic Signals	Break	Introduction to ANS ,Basic Characteristic of Sympathetic & Parasympathetic System		PBL Team		Ascending Tracts a their clinicals		SDL Anatomy Anterior And middle Cranial Fossa				
		Dr. Uzma (Even)	Dr. Fahd (Odd)		Dr. Nida Fatima (even)	Dr. Kiran Ahmad (odd)									

	Table No. 1 (Time: 12:20pm – 02:00pm)															
Batch Di	istribution '	for Practical	Topics for Skill Lab with Venue		Schedule for Practical / Small Group Discussion											
Skills (al	ll subjects)		Peripheral Nerve (Anatomy Histology	Day	Day Histology Practical			Biochemistry		Physiolo	ogy Practical	Phy	Physiology SGD		Biochemistry SG	
		Discussion	Practical) Venue-Histology laboratory	'			F	Practical						╛		
(Biocher	nistry and I	Physiology)	(Dr. Minahil Haq)	'	Batch	Teacher	Batch	Teacher	НОР	Batch	Teacher	Batch	Teacher Name	 HOI	Batch	Teacher
			Color test for Sterols (Biochemistry	<u> </u>	<u> </u>	Name	<u> </u>	Name	>		Name					Name
Sr. No	Batch	Roll No.	practical)	Monday	C	þ	В	Dr. Rahat	q p	Е	Dr. Kamil	A	Dr. Aneela	d b	D	Dr. Uzma
1.	A	01-70	(Physiology Practical) Examination	Tuesday	D	q	С	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	ise	Е	Dr. Almas
2.	В	71-140	of sensory nervous system Venue –	Wednesday	Е	rvise	D	Dr. Uzma	erv	В	Dr. Shazia	С	Dr. Nayab	erv	A	Dr.
		<u> </u>	Physiology Lab	<u> </u>	<u> </u>	F e			ďn		ļ			dn		Romessa
3.	C	141-210		Thursday	В	dns	A	Dr. Almas	S	D	Dr. Iqra	Е	Dr. Iqra	S	C	Dr. Nayab
4.	D	211-280		Saturday	A	<u> </u>	Е	Dr. Romessa	<u> </u>	C	Dr. Nayab	D	Dr. Kamil	<u> </u>	В	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Venue		T	able No. 2 F	Batch Dist	cribution and Ve	nues for	Anatomy	Small Group	Discussio	on SGDs / Dissection	ons		
			<ul> <li>Physiology SGD: Synapse &amp; sensory</li> </ul>	Batches	Ro	ll No	Anato	omy Teacher		Ve	enue					
			Receptors (Venue: Lecture Hall No 5)	A	01	1-90	Dr. Gait	ti Ara	New Le	ecture Hal	l Complex # 0	)1				
			Biochemistry SGD: Triglyceride	В	91-180		Dr. Mir	nahil Haq	New Lecture Hall Complex # 04		)4	Supervised by Pro	of. D	r. Ayesh	a Yousaf	
			Metabolism (Venue: Lecture Hall No	C	181	1-270	Dr. Tar	riq Furqan	Anatom	Anatomy Lecture Hall 04						
			2)	D	271 o	onwards	Dr. Sad	lia Baqir	Anatom	ny Lecture	Hall 03					

	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions										
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers		
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)		
				Biochemistry)				(Basement)			
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)		
			Anatomy)	(Demonstrator of				(Basement)			
				Physiology)							
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman		
			Anatomy)	(Demonstrator Biochemistry)	1			(Basement)	(PGT Physiology)		
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Sadia Baqir	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)		
				(Senior Demonstrator of							
				Anatomy)							
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan		
				Physiology)					(Demonstrator Physiology)		

Table No. 6 Venues for Large Group Interactive Session (LGIS)								
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01							
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04							

## Second Year Timetable for CNS Module (Second Week) (05-08-2024 To 10-08-2024)

					(06	00 /	2027 IU I	. 0 00	<i>y</i> = 0= 1)				
Date/Day	8:00am-9:20am	9:20am –	10:10am	10:10am – 10:30am	1	10:30am-	-11:20am		11:20	)am-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments
		PHYSIOLO	OGY (LGIS)		BIOG	CHEMIS	STRY (LGIS)		PA	THOLOGY		SGD / DISSECTION	
05-08-2024 Monday	Practical & CBL/SGD Topics & Venue Mentioned at the end	Somatosensory cortex and lesions of somatosensory cortex	Excitatory and inhibitory effects of sympathetic and parasympathetic stimulation		LDL, HI metaboli	DL ism	Fatty Acid Oxidation I		Patterns of in	jury in nervous system		Descending Tracts and their clinicals	SDL Physiology Sensory pathways for transmitting somatic signals-II
		Dr. Fahd (Even)	Dr. Uzma (Odd)		Dr. Kashif	( ' ' '	Dr. Aneela (Odo	ld) D	Or. Nida Fatima (Even)	Dr Kiran Ahmad (Odd)			
		PHYSIOLO	OGY (LGIS)				IY (LGIS)		BIOCHE	MISTRY (LGIS)		SGD / DISSECTION	
06-08-2024 Tuesday	Practical & CBL/SGD Topics & Venue Mentioned at the end		Somatosensory cortex and lesions of somatosensory cortex		Histolog Of spinal con peripheral r	ord and	Embryology Development of Rhombencephalon		Fatty acid oxidation I LDL, HDL metabolism			Lesions of Spinal Cord	SDL Physiology Physiology of pain Dual pathway for transmission of pain
		Dr. Uzma (Even)	Dr. Fahd (Odd)	k	Asst. Prof. I Tasleem (		Prof. Dr. Ifra Saeed (Odd)		Dr. Aneela (Even)	ela (Even) Dr. Kashif (Odd)			
		PHYSIOLO	OGY (LGIS)	e a	A	NATOM	IY (LGIS)		S	SURGERY		SGD / DISSECTION	
07-08-2024 Wednesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	Concept of Association areas, Concept of Dominant and non- dominant cerebral hemispheres	CSF, Blood Brain Barrier Blood CSF Barrier, Lumbar puncher	Bro	Embryolo Developme Rhombencep	ent of	Histology Of spinal cord and peripheral nerve		Spinal inju	ary and Head injury	Bre	Medulla Oblongata	SDL Biochemistry HDL & LDL Metabolism
		Dr. Shazia (Even)	Dr. Maryam (Odd)		Prof. Dr. Ifra (Even)		Asst. Prof. Dr. Mar Tasleem (Odd)	ria D	Dr. Soban Sarwar Gondal(E	ven) Dr. Usman Malik (Odd)			
		PHYSIOLO	OGY (LGIS)			RADIO	LOGY		BIOCHE	MISTRY (LGIS)		SGD / DISSECTION	
08-08-2024 Thursday	Practical & CBL/SGD Topics & Venue Mentioned at the end	CSF, Blood Brain Barrier Blood CSF Barrier, Lumbar puncher	Concept of Association areas, Concept of Dominant and non- dominant cerebral hemispheres		Dr Riff		diograph Dr Saba	— Н	Hyperlipidemia And Fatty L	iver Fatty acid oxidation II		Pons & the Fourth Ventricle	SDL Anatomy Meninges, Spinal ,cord
		Dr .Maryam (Even)	Dr. Shazia (odd)		(Even)	1)	(Odd)		Dr. Kashif (Even)	Dr. Aneela (Odd)			
	8:00am-900am	9:00am-	10:00am		1	10:00am-	-11:00am		11:00	0am-12:00pm			
	MEDICINE	PHYSIOLO	OGY (LGIS)				PAKST	<b>FUDIE</b> S	S/ISLAMMIYAT				
09-08-2024 Friday	Spinal cord and peripheral nervous system	Speech and aphasia	Limbic system, Functionsof hypothalamus	Musa	wat	1973	3 ka Aaeen		1973 ka Aaeen	Musawat			
	Dr Javeria Dr Riffat Malik(Even) (Odd)	Dr. Shazia (Even)	Dr. Maryam (Odd)	Mufti Naer (Eve		•	Aman Ullah (Odd)	Qari	i Aman Ullah (Even)	Mufti Naem Sherazi (Odd)			
	•	PHYSIOLO	OGY (LGIS)		A	NATOM	IY (LGIS)		OBS	S & GYNAE		SGD / DISSECTION	
10-08-2024 Saturday	Practical & CBL/SGD Topics & Venue Mentioned at	Limbic system, Functionsof hypothalamus	Speech and aphasia	eak	Histology cerebellu		Embryology Development of Mesencephalon &	ķ	Seizures during pre	gnancy(eclampsia/epilepsy)	r e a k	Midbrain	SDL Anatomy Ascending tracts &
Sutarday	the end	Dr. Maryam (Even)	Dr. Shazia (Odd)	Br	Asst. Prof. Maria (Ev		Prosencephalon Prof. Dr. Ifra Saeed (Odd)		Dr Ismat Batool (Even)	Dr Sadia Waheed (Odd)	Br	Maddan	Descending tracts

				Т	able No. 1	(Time: 12:2	0pm – 02	:00pm)								
Batch D	istribution	or Practical	Topics for Skill Lab with Venue					Schedule fo	r Practic	al / Small	Group Discus	sion				
Skills (a	ll subjects)		• (Anatomy Histology Practical) Ganglia	Day Histology Practical			Bio	chemistry		Physiol	ogy Practical	Phy	ysiology SGD	F	iochei	mistry SGD
CBL / Si	mall Group	Discussion	Venue-Histology laboratory (Dr. Sadia				F	Practical								-
(Biochei	mistry and l	Physiology)	Baqir)		Batch	Teacher	Batch	Teacher	НОД	Batch	Teacher	Batch	Teacher Name	OH B	atch	Teacher
			(Biochemistry Practical) Detection of			Name		Name	y E		Name			y F		Name
Sr. No	Batch	Roll No.	Cholesterol Crystals	Monday	C	by	В	Dr. Rahat	d b	E	Dr. Kamil	A	Dr. Aneela	d b	D	Dr. Uzma
1.	A	01-70	(Physiology Practical) Examination of	Tuesday	D	þ	C	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	ise	E	Dr. Almas
2.	В	71-140	Motor System Venue – Physiology Lab	Wednesday	Е	rvise	D	Dr. Uzma	ΛJe	В	Dr. Shazia	C	Dr. Nayab	vie	A	Dr.
						e L			ďn					dn		Romessa
3.	C	141-210		Thursday	В	dnS	A	Dr. Almas	$\infty$	D	Dr. Iqra	Е	Dr. Iqra	$\sim$	C	Dr. Nayab
4.	D	211-280		Saturday	A	01	Е	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Venue		T	able No. 2 B	atch Dist	ribution and Ve	nues for	Anatomy	Small Group l	Disscussi	onSGDs / Dissection	ons		
			Physiology SGD: Autonomic Nervous	Batches	Ro	ll No	Anato	my Teacher		Ve	enue					
			System (Venue: Lecture Hall No 5)	A	01	-90	Dr. Gai	ti Ara	New L	ecture Hal	l Complex # 0	)1				
			Biochemistry SGD: Fatty Acid     B 91-180 Dr. Minahil		ahil Haq	New L	ecture Hal	1 Complex # 0	)4	Supervised by Prof. Dr. Ayesha Yousaf			a Yousaf			
	Oxidation (Venue: Lecture Hall No 2)		С	C 181-270		Dr. Tar	iq Furqan	Anato	ny Lecture	Hall 04						
				D 271 onwards			Dr. Sadia Baqir A			ny Lecture	Hall 03					

			Table No. 3	Batch Distribution with Venues	and Teacl	ners Name f	for Problem Based	Learning (PBL) Sessions			
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers		
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)		
				Biochemistry)				(Basement)			
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)		
			Anatomy)	(Demonstrator of				(Basement)			
				Physiology)							
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman		
			Anatomy)	(Demonstrator Biochemistry)	)			(Basement)	(PGT Physiology)		
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Sadia Baqir	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)		
				(Senior Demonstrator of							
				Anatomy)							
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan		
				Physiology)					(Demonstrator Physiology)		
	No PBL during this week										

Table No. 6 Venues for Large Group Interactive Session (LGIS)									
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01								
Even Roll Number									

## Second Year Timetable for CNS Module (Third Week) (12-08-2024 To 17-08-2024)

Date/Day	8:00am-9	9:20am	9:2	0am – 10:10am	10:10am – 10:30am	10:30a	m-11:20am		11:20ar	n-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments
12-08-2024 Monday	Practical & Topics & Venue Me		Learning & Memory  Dr. Maryam (Even)	Reticular Activating System & Sleep  Dr. Fahd (Odd)	a k	Embryology Development of Mesence Prosencephalon Prof. Dr. Ifra Saeed (Even)	Asst. Pro	Histology of cerebellum  f. Dr. Maria	Somatosenso	GY SDL NO. 1  ory system & its sions  Dr. Ali Zain (Even)	a k	CBL/SGD/ DISSECTION  CBL (Cystic Astrocytoma of Cerebellum)  Cerebellum	SDL Physiology CSF, BBB, Blood CSF Barrier, LP
13-08-2024 Tuesday	Practical & Topics & Venue Me		` /		Brea	BIOCHEM Hyperlipidemia & Fatty Liver  Dr. Kashif (Even)	Fatty acid	` '	PHYSIOLO CSF, BBB, BI	GY SDL NO. 2  ood CSF Barrier, ar puncher  Dr. Iqra (Odd)	Brea	SGD / DISSECTION  Thalamus, Epithalamus, Subthalamus	SDL Physiology Muscle spindle & Golgi tendon organ
14-08-2024 Wednesday						Independe	nce Da	ı y					_
15-08-2024 Thursday	Practical & Topics & Venue Me		EEG & Epilepsy	Introduction to Moto Nervous System & reflex action, Conditional Reflexes & Its Properties, Control of Spinal cord Reflexes by Higher Centers	Break	Fatty acid synthesis	regu	synthesis and ilation, lesterolemia		tion to ANS	Break	SGD / DISSECTION  Hypothalamus	SDL Biochemistry Fatty acid oxidation
			Dr. Maryam (Even)	Dr Sidra (Odd)		Dr Aneela (Even)		shif (Odd)	Dr. Farah (Even	Sehar (Odd)			
	8:00 AM – BIOCHEMIS			AM – 10:00 AM SIOLOGY (LGIS)		10:00– 11:00A PA	AM KSTUDIES/IS	SLAMMIYAT	11:00-	12:00AM			
16-08-2024 Friday	Metabolism of Glycerophospholipids and siphonophore lipid	Ketone body metabolism	EEG & Epilepsy	Introduction to Moto Nervous System & reflex action, Conditional Reflexes & Its Properties, Control of Spinal cord Reflexes by Higher Centers	Kh	wateen k hakook	Qayam e Pa	akistan, Ibtidai Islmi Jamuraiat	Qayam e Pakistan Ibtidai Mushkilaat Islmi Jamuraiat	Khwateen k	Medulla Obl	SDL Anatomy ongata & Pons & Cerebellum	
	Dr. Kashif (Even)	Dr. Aneela (Odd)	Dr Sidra (Even)	Dr. Maryam (Odd)	Mufti I	Naem Sherazi (Even)	`	ı Ullah (Odd)	Qari Aman Ullah(Even)	Mufti Naem Sherazi (Odd)			
17-08-2024 Saturday	Practical & Topics & Venue Me		EEG & Epilepsy	Introduction to Moto Nervous System & reflex action, Conditional Reflexes & Its Properties, Control of Spinal cord Reflexes by Higher Centers	Break	Cholesterol synthesis and regulation, hypercholesterolemia	Fatty acid		Cerebella	NE (LGIS) ur disorders	Break	Cortical areas, Layers and Lesions of Cerebrum	SDL Anatomy Diencephalon *Online Clinical Evaluation
			Dr Sidra (Even)	Dr. Maryam (Odd)		Dr. Kashif (Even)	Dr. Aneel	a (Odd)	Dr Javeria Malik (Even)	Dr Faran Maqbool (Odd)			

				Γ	Table No. 1	(Time: 12:2	0 pm - 02	:00pm)								
Batch D	istribution	for Practical	Topics for Skill Lab with Venue					Schedule fo	r Practic	al / Small	Group Discus	sion				
Skills (a	ıll subjects)		• (Anatomy Histology Practical) Spinal	Day	Histolog	y Practical	Bio	chemistry		Physiol	ogy Practical	Phy	ysiology SGD		Bioche	mistry SGD
CBL / S			Cord Venue-Histology laboratory (Dr.				Practical									
(Bioche	mistry and	Physiology)	Gaiti Ara)		Batch	Satch Teacher		Teacher	HOD	Batch	Teacher	Batch	Teacher Name	[OI	Batch	Teacher
			(Biochemistry Practical) Estimation of			Name		Name	) Y		Name			Y F		Name
Sr. No	Batch	Roll No.	serum TAGS	Monday	C	>	В	Dr. Rahat	d b	E	Dr. Kamil	A	Dr. Aneela	d b	D	Dr. Uzma
1.	A	01-70	(Physiology Practical) Examination of	Tuesday	D	d b	C	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	ise	E	Dr. Almas
2.	В	71-140	Cerebellar System Venue – Physiology	Wednesday	Е	ervise	D	Dr. Uzma	AJE	В	Dr. Shazia	C	Dr. Nayab	arv	A	Dr.
			Lab Lab						dn					ďn		Romessa
3.	C	141-210		Thursday	В	dnS	A	Dr. Almas	$\infty$	D	Dr. Iqra	Е	Dr. Iqra	N	С	Dr. Nayab
4.	D	211-280		Saturday	A	01	Е	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Venue		T	able No. 2 E	Batch Dist	ribution and Ve	enues for	Anatomy	Small Group	Disscussi	ionSGDs / Dissection	ons		
			Anatomy CBL: Cystic Astrocytoma of	Batches	Ro	ll No	Anato	my Teacher		Ve	enue					
			Cerebellum	A	01	-90	Dr. Gai	ti Ara	New L	ecture Hal	l Complex # 0	1				
			Physiology SGDs: Motor nervous	В	91	-180	Dr. Mii	nahil Haq	New L	ecture Hal	l Complex # 0	4	Supervised by Prof. Dr. A		r. Ayesh	a Yousaf
			system, muscle spindle and Golgi	C	181	270	Dr. Tar	iq Furqan	Anator	ny Lecture	e Hall 04					
					<del>-</del>				1	_		1				

Dr. Sadia Baqir

Anatomy Lecture Hall 03

271 onwards

D

tendon organ (Venue: Lecture Hall No

• Biochemistry CBL: Respiratory

			Biochemistry CBL: Respiratory									
			Distress syndrome (Venue: Lectur	e								
			Hall No 2)									
			Table No. 3 E	Satch Distribution with Venues a	and Teacl	hers Name t	for Problem Based	Learning (PBL) Sessions				
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers			
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)			
				Biochemistry)				(Basement)				
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)			
			Anatomy)	(Demonstrator of				(Basement)				
				Physiology)								
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman			
			Anatomy)	(Demonstrator Biochemistry)				(Basement)	(PGT Physiology)			
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Sadia Baqir	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)			
				(Senior Demonstrator of								
				Anatomy)								
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan			
				Physiology)					(Demonstrator Physiology)			
	No PBL during this week											

Table No. 6 Venues for Large Group Interactive Session (LGIS)							
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01						
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04						

## Second Year Timetable for CNS Module (Fourth Week) (19-08-2024 To 24-08-2024)

Date/Day	8:00am-9:20am	9:20am –	10:10am	10:10am – 10:30am	10:30am-1	1:20am	11:20ar	n-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments
19-08-2024	Practical & CBL/SGD Topics & Venue Mentioned at	PHYSIOLO  Introduction to Cerebellum, Neuronal Circuits of Cerebellum & Its Motor functions	GY (LGIS)  Muscle Spindle & Golgi Tendon organ, role of muscle spindle & Golgi tendon organ		Management of I			r convulsive disorders		SGD / DISSECTION	SDL Physiology
Monday	the end	Dr. Faizania (Even)	in voluntary motor activity  Dr. Sidra (Odd)		Dr. Fraz Mehmood (Even)	Dr. Ammad ul Haq (Odd)	Dr Javeria Malik (Even)	Dr Faran Maqbool (Odd)		Dissection	Hypothalamus
	1	PHYSIOLO	` /		ANATOM	Y (LGIS)	PBL 2 (S	SESSION-I)		SGD / DISSECTION	
20-08-2024 Tuesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	Muscle Spindle & Golgi Tendon organ, role of muscle spindle & Golgi tendon organ in voluntary motor activity	Introduction to Cerebellum, Neuronal Circuits of Cerebellum & Its Motor functions	a k	Histology of Cerebrum	Embryology Development of Peripheral and Autonomic Nervous System	PBI	L Team	a k	Lateral ventricle, Ventricular system, CSF and Blood Brain Barrier	SDL Physiology Properties of reflex action, Control of spinal cord reflexes by
		Dr. Sidra (Even)	Dr. Fazania (Odd)	r e	Asst. Prof. Dr Maria Tasleem (Even)	Prof. Dr. Ifra Saeed (Odd)			r e	Barrier	higher centers
		PHYSIOLOG		B	ANATOM	` /	MEI	DICINE	<b>P</b>	SGD / DISSECTION	SDL Biochemistry
21-08-2024 Wednesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	EEG & F	pilepsy		Embryology Development of Peripheral and Autonomic Nervous System	Histology of Cerebrum	Enco	ephalitis		Cranial nerves- I,II,II,IV,VI	Synthesis &Interconversion of Ketone Bodies (diagrammatically) Regulation of
		Dr Maryam (Even)	Dr. Iqra (Odd)		Prof. Dr. Ifra Saeed (Even)	Asst. Prof. Dr. Maria Tasleem (Odd)	Dr Javeria Mali (Even)	k Dr Faran Maqbool(Odd)			Ketogenesis Ketolases
		PHYSIOLOG			BIOCHEMIS	STRY SDL	PBL 2 (S	SESSION-II)		SGD / DISSECTION	
22-08-2024 Thursday	Practical & CBL/SGD Topics & Venue Mentioned at the end	Reticular Activating  Dr Farah (Even)	g System & Sleep  Dr. Ali Zain (Odd)		Glycerophospholipid  Dr. Uzma Zafar  (Odd)	ls & Sphingolipids  Dr. Rahat (Even)	РВІ	L Team		Cranial nerves - V, VII	SDL Biochemistry
	8:00 AM – 9:00 AM	9:00 AM –			10:00- 11:00AM		11:00AN	I – 12:00PM			
	Practical & CBL/SGD Topics & Venue Mentioned at	PHYSIOLOG  Motor Cortex & Physio	Y SDL NO 6			SGD / DISSECTION				SDL Anatomy htricle, Ventricular system,	
23-08-2024 Friday	the end. (Wednesday Batch 14-08-2024)	Neocortex, Cortico Spir Extra Pyrami Dr Maryam (Even)	nal or pyramidal Tract			Cranial Nerves VIII-X	II			nd Blood Brain Barrier	
24-08-2024 Saturday	Practical & CBL/SGD Topics & Venue Mentioned at the end				Early Clin	nical Exposure (1	ECE)				SDL Anatomy Cranial Nerves 1-7

				Т	able No. 1	(Time: 12:20	0pm – 02	:00pm)							
Batch Di	stribution f	or Practical	Topics for Skill Lab with Venue					Schedule fo	r Practic	al / Small	Group Discus	sion			
Skills (al	ll subjects)		(Anatomy Histology Practical)	Day	Histolog	y Practical	Bio	chemistry		Physiol	ogy Practical	Phy	ysiology SGD	Bio	chemistry SGD
		Discussion	Cerebellum Venue-Histology				I	ractical							
(Biocher	nistry and l	Physiology)	laboratory (Dr. Minahil Haq)		Batch	Teacher	Batch	Teacher	НОД	Batch	Teacher	Batch	Teacher Name	Bato	h Teacher
			(Biochemistry Practical) Estimation			Name		Name	>		Name			>	Name
Sr. No	Batch	Roll No.	of Serum HDL	Monday	C	by	В	Dr. Rahat	q p	E	Dr. Kamil	A	Dr. Aneela	a D	Dr. Uzma
1.	A	01-70	(Physiology Practical)	Tuesday	D	р	C	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	ise.	Dr. Almas
2.	В	71-140	Ophthalmoscopy Venue –	Wednesday	E	rvise 40D	D	Dr. Uzma	erv	В	Dr. Shazia	C	Dr. Nayab	<u>}</u> A	Dr.
			Physiology Lab			e			dn					dn	Romessa
3.	C	141-210		Thursday	В	dnS	A	Dr. Almas	S	D	Dr. Iqra	Е	Dr. Iqra	$\sim$ C	Dr. Nayab
4.	D	211-280		Saturday	A	<b>3</b> 1	Е	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil	В	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Venue		T	able No. 2 B	atch Dist	ribution and Ve	nues for	Anatomy	Small Group l	Disscussi	onSGDs / Dissection	ons	
			Physiology SGD: Motor Nervous	Batches	Rol	l No	Anato	my Teacher		Ve	enue				
			System (Venue: Lecture Hall No 5)	A	01	-90	Dr. Gai	ti Ara	New L	ecture Hal	1 Complex # 0	)1			
			Biochemistry CBL: Ischemic Heart	В	91-	-180	Dr. Mii	ahil Haq	New L	ecture Hal	l Complex # 0	)4	Supervised by Pr	of. Dr. Ay	esha Yousaf
		disease (Venue :Lecture Hall No 2) C 181-270 Dr. Tariq Furqan		iq Furqan	Anatomy Lecture Hall 04										
				D 271 onwards Dr. Sadia Baq				ia Baqir	Anatomy Lecture Hall 03						

			Table No. 3	Batch Distribution with Venues	and Teacl	ers Name f	for Problem Based	Learning (PBL) Sessions	
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)
				Biochemistry)				(Basement)	
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(Demonstrator of				(Basement)	
				Physiology)					
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman
			Anatomy)	(Demonstrator Biochemistry)	)			(Basement)	(PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Sadia Baqir	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
				(Senior Demonstrator of					
				Anatomy)					
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan
				Physiology)					(Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)						
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01					
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04					

## Second Year Timetable for CNS Module (Fifth Week) (26-08-2024 To 31-08-2024)

D. ( /D.	9.00	-0.20	10.10	10:10am –	10.3	0 11	20.	11.20	10	12:10pm-	12 20 2 00	Home
Date/Day	8:00am-9:20am		m – 10:10am	10:30am		10:30am-11:20am		11:20am-12:10pm		12:30pm	12:30pm – 2:00pm	Assignments
			DLOGY (LGIS) Poly synaptic reflexes &	1	MEDICINE			FAMILY MEDICINE		-	SGD / DISSECTION	SDL Physiology
26-08-2024 Monday	Practical & CBL/SGD Topics & Venue Mentioned at the end	Manifestations of Cerebellar Disease	transaction of spinal cord, role of brain stem in controlling motor function & lesions of motor system		Stroke			Approach to a patier diseas			Basal Ganglia	Introduction to cerebellum Neuronal circuits
		Dr Fazania (Even)	Dr. Sidra (Odd)		Dr Javeria Malik Dr Faran Maqbool (Even) (Odd)		Dr. Sadia				of cerebellum	
			DLOGY (LGIS)		PHYSIO	LOGY	SDLNO. 7	BEHAVIORAL	SCIENCES		SGD / DISSECTION	
27-08-2024 Tuesday	Disease L			Limbic System & function of		on of Hypothalamus	Memory & Emotions			Limbic system and Reticular Formation	SDL Physiology Basal Ganglia & Lesions	
		Dr. Sidra (Even)	Dr Fazania (Odd)	ak	Dr. Maryam (O	dd)	Dr. Iqra (Even)	Dr. M. Azeem Rao (Even)	Dr. Zarnain Umar (Odd)	ak		
		PHYSIC	DLOGY (LGIS)	r e	RA	DIOL	OGY	SURGE	RY	r e	CBL/SGD/ DISSECTION	SDL
28-08-2024 Wednesday	Practical & CBL/SGD Topics & Venue Mentioned at the end	Basal Ganglia & Lesions	Motor Cortex & Physiological importance of Neocortex, Cortico Spinal or Pyramidal tracked, Extra pyramidal Systems	Neocortex, Cortico nidal tracked, Extra		CT scan and MRI (Brain and Spinal Cord)		Poly trauma patient		В	CBL(Middle Cerebral Artery Stroke) Blood supply of Brain and	Biochemistry Synthesis of Cholesterol and
		Dr. Uzma (Even)	Dr Maryam (Odd)		Dr Anum Zaho (even)	or	Dr Faisal (odd)	Dr. Fraz Mehmood (Even)	Dr. Ali Tasaddaq(Odd)		Clinicals	its regulation
		PHYSIOLOGY (LGIS)			ANATOMY (LGIS)		BEHAVIORAL SCIENCES			SGD / DISSECTION	SDL Anatomy	
29-08-2024 Thursday	Practical & CBL/SGD Topics & Venue Mentioned at the end	Motor Cortex & Physiolog importance of Neocorte Cortico Spinal or Pyramid tracked, Extra pyramids Systems	Basal Ganglia &		Development o Cranium	f	Development of Cranium	Metacogn	ition		Radiological Imaging of CNS	Cranial nerves 8- 12, Basal Ganglia, Limbic system and
		Dr Maryam (Even)	Dr. Uzma (Odd)		Prof. Dr. Ifra Sae (Odd)	ed	Prof. Dr. Saima (Even)	Dr. Zarnain Umar(even)	Dr. Sadia Yasir(odd)			Reticular Formation
	8:00 AM – 9:00 AM		M – 10:00 AM		10:00 - 11:			11:00AM – 12:00PM				
20.00.2024	QURAN TRANSLATION IV	QURAN T	RANSLATION V		BIOCHEMIST	•		PHYSIOLOGY	SDL NO.8	1	SDL Anatomy	
30-08-2024 Friday	Momalat-I	Momalat-II		Glyceroph	abolism of ospholipids and phospho lipid			Learning & Memory				
	Mufti Naeem Sherazi (Odd)	Mufti Nae	em Sherazi (Even)	Dr. Ka	shif (Even)	D	r. Aneela (Odd)	Dr Nayab (Even) Dr. Iqra (Odd)				
		PHYSIOLOGY SDL NO. 09  Gasal Ganglia & its Lesions					SDL NO. 10	ISLAMIYAT			SGD/ DISSECTION	SDL
31-08-2024	Practical & CBL/SGD Topics & Venue Mentioned at the end			e a k			Sensory Pathways for Transmitting somatic Signals		Haj tul Wida Khutba		Cross Sectional Study / Dissection	Biochemistry Online Clinical
Saturday		Dr. Maryam (Odd)	Dr. Iqra (Even)	Bre	Dr. Jawad (Ev	ren)	Dr. Usman (Odd)	Mufti Naeer	m Shirazi	Bre		<b>Evaluation</b>

				Τ	able No. 1	(Time: 12:2	0pm – 02	:00pm)								
Batch D	istribution	For Practical	Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion												
Skills (a	ll subjects)		(Anatomy Histology Practical)	Day	Histolog	y Practical	Biochemistry		Physiology Practical			Phy	Physiology SGD		Biochemistry SGD	
		Discussion	Cerebrum. Venue-Histology				F	ractical								
(Bioche	mistry and	Physiology)	laboratory (Dr. Sadia Baqir)		Batch	Teacher	Batch	Teacher	НОД	Batch	Teacher	Batch	Teacher Name	HOD	Batch	Teacher
			(Biochemistry Practical) Lipid			Name		Name	>		Name					Name
Sr. No	Batch	Roll No.	Solubility & Acrolein test	Monday	C	by	В	Dr. Rahat	d b	E	Dr. Kamil	A	Dr. Aneela	d b	D	Dr. Uzma
1.	A	01-70	(Physiology Practical)	Tuesday	D	p	C	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	ise	E	Dr. Almas
2.	В	71-140	Determination of field of vision	Wednesday	sday E .sssss		D	Dr. Uzma	AJe	В	Dr. Shazia	C	Dr. Nayab	or.v	A	Dr.
			Venue – Physiology Lab						dn					ďn		Romessa
3.	C	141-210		Thursday	В	dnS	A	Dr. Almas	$\infty$	D	Dr. Iqra	Е	Dr. Iqra	$\sim$	C	Dr. Nayab
4.	D	211-280		Saturday	A	01	E	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Venue	Table No. 2 Batch Distribution and Venues for Anatomy Small Group DisscussionSC						ionSGDs / Dissection	ons					
			Anatomy CBL: Middle Cerebral	Batches Roll No Anatomy Teacher			my Teacher	Venue								
			Artery Stroke	A 01-90		-90	Dr. Gaiti Ara		New Lecture Hall Complex # 01			)1				
			Physiology SGD: Basal Ganglia &	B 91-180		-180	Dr. Minahil Haq		New Lecture Hall Complex # 04			)4	Supervised by Prof. Dr. Ayesha Yousaf			a Yousaf
			limbic system (Venue: Lecture Hall No	С	C 181-270		Dr. Tariq Furqan		Anatomy Lecture Hall 04							
			5)	D 271 onwards		Dr. Sadia Baqir		Anatomy Lecture Hall 03								
			Biochemistry SGD: Ketone body													<u>-</u>
			metabolism (Venue: Lecture Hall No 2)													

	mound of the first product of								
	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions								
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)
				Biochemistry)				(Basement)	
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(Demonstrator of				(Basement)	
				Physiology)					
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman
			Anatomy)	(Demonstrator Biochemistry)				(Basement)	(PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Sadia Baqir	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
				(Senior Demonstrator of					
				Anatomy)					
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan
				Physiology)					(Demonstrator Physiology)
	No PRI during this week								

No PBL during this week

Table No. 6 Venues for Large Group Interactive Session (LGIS)					
Odd Roll Numbers New Lecture Hall Complex Lecture Theater # 01					
<b>Even Roll Number</b> New Lecture Hall Complex Lecture Theater # 04					

#### $Schedule\ for\ LMS\ Based\ Weekly\ Online\ Assessments\ for\ Second\ Year\ MBBS\ (CNS\ Module)\ Batch\ 50$

The online assessment for CNS Module for Second Year MBBS will be as per following schedule:

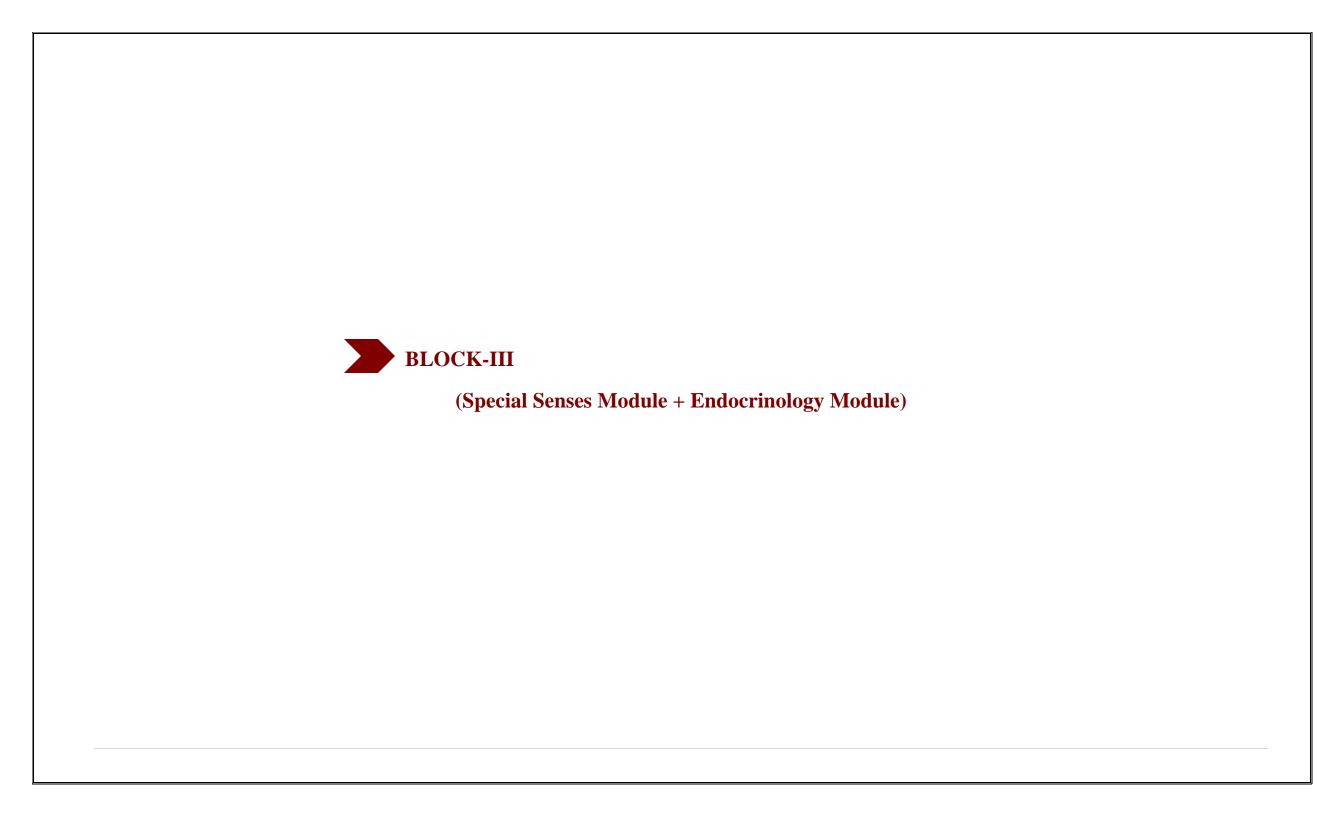
Class	Module	Day & Date	Time of	Focal person	Department
			Assessment		Responsible
		Monday 05 <sup>th</sup> August,2024	9:00 pm-9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 06 <sup>th</sup> August,2024	9:00 pm-9:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 07 <sup>th</sup> August, 2024	9:00 pm-9:30pm	Dr Aneela Jamil	Biochemistry
		Monday 12 <sup>th</sup> August,2024	9:00 pm-9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
Second Year MBBS	CNS Module	Tuesday 13 <sup>th</sup> August, 2024	9:00 pm-9:30pm	Prof. Dr Samia Sarwar	Physiology
		Thursday 15 <sup>th</sup> August,2024	9:00 pm-9:30pm	Dr Aneela Jamil	Biochemistry
		Monday 19 <sup>th</sup> August,2024	9:00 pm-9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 20 <sup>th</sup> August,2024	9:00 pm-9:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 21st August,2024	9:00 pm-9:30pm	Dr Aneela Jamil	Biochemistry

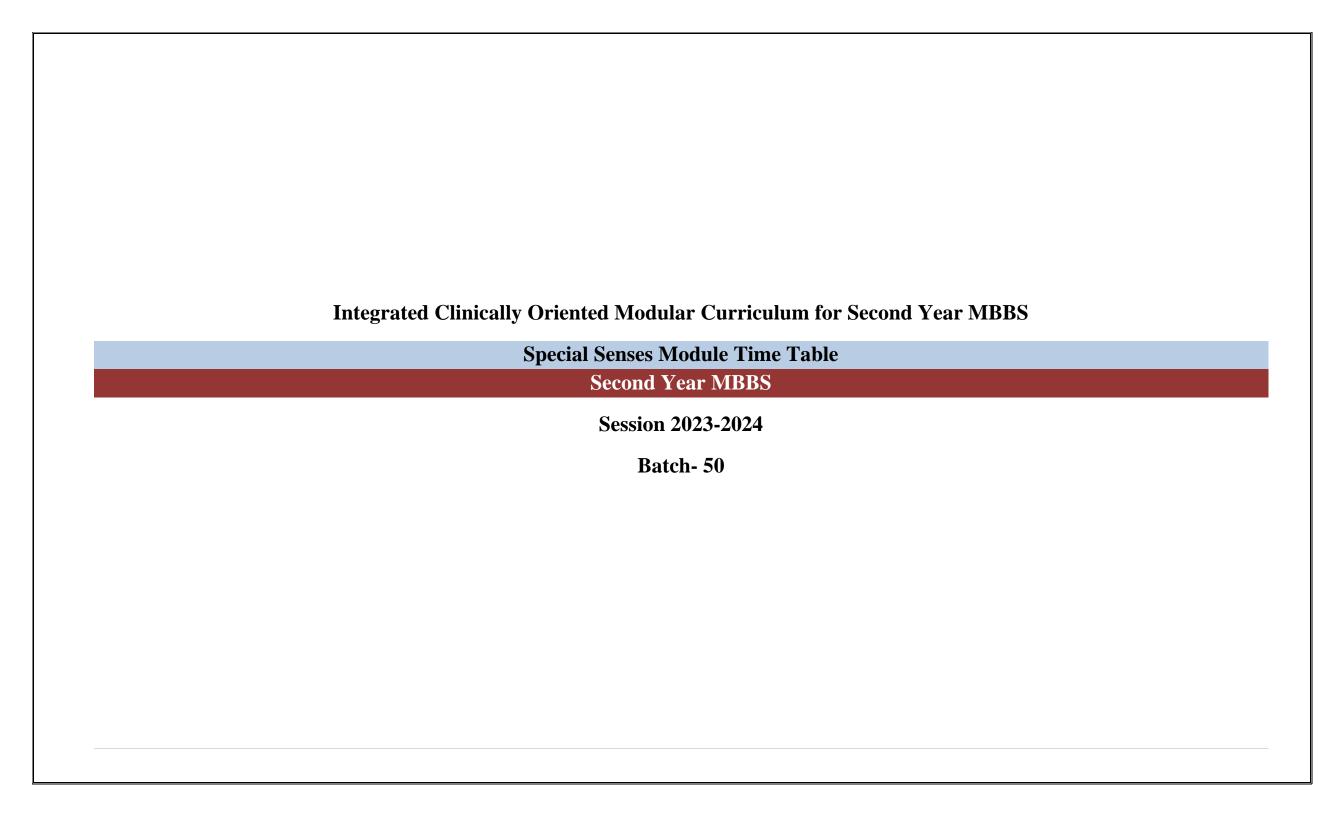
## Second Year Timetable for CNS Module (Sixth Week) (02-09-2024 to 07-09-2024)

Date / Day	8:00 AM – 9:00 AM	12:00-02:00pm
02-09-2024 Monday		
03-09-2024 Tuesday		
04-09-2024 Wednesday		Assessment Week
05-09-2024 Thursday		
06-09-2024 Friday		
07-09-2024 Saturday		

Note: Detailed notice regarding content, time and venue will be issued accordingly

Note: Timetable Subject to change according to the current circumstances.





## **Special Senses Module Team**

Module Name : Reproduction Module

Duration of module : 04 Weeks

14. Focal Person Family Medicine

Coordinator:Dr. Minahil HaqCo-coordinator:Dr. Romessa NaeemReviewed by:Module Committee

Dr. Sadia Khan

	Module Committee			Mo	odule Task Force Team
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Minahil Haq (Senior Demonstrator of Anatomy)
2.	Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima
3.	Chairperson Anatomy & Dean Basic	Prof. Dr. Ayesha Yousaf	3.	Co-coordinator	Dr. Sadia Baqir (Senior Demonstrator of Anatomy)
	Sciences				
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Romessa (Demonstrator of Biochemistry)
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Fareed Ullah Khan (Senior Demonstrator of Physiology)
6.	Focal Person Anatomy Second Year	Dr. Maria Tasleem			
	MBBS				
7.	Focal Person Physiology	Dr. Sidra Hamid	DME Implementation Team		E Implementation Team
			1.	Director DME	Prof. Dr. Ifra Saeed
8.	Focal Person Biochemistry	Dr. Aneela Jamil	2.	Assistant Director DME	Dr Farzana Fatima
9.	Focal Person Pharmacology	Dr. Zunera Hakim	3.	DME Implementation Team	Prof. Dr. Ifra Saeed
					Dr. Farzana Fatima
					Dr. Saira Aijaz
10.	Focal Person Pathology	Dr. Asiya Niazi	4.	Editor	Muhammad Arslan Aslam
11.	Focal Person Behavioral Sciences	Dr. Saadia Yasir			
12.	Focal Person Community Medicine	Dr. Afifa Kulsoom			
13.	Focal Person Quran Translation	Dr. Uzma Zafar			
	Lectures				

## **Discipline Wise Details of Modular Contents**

Block	Subjects	Embryology	Histology	Histology Practical SKL. Lab.	Gross Anatomy	CBL	SDL
III	• Anatomy	<ul> <li>Development of Eye</li> <li>Development of Pharyngeal arches</li> <li>Development of Ear</li> </ul>	<ul> <li>Histology of Eye</li> <li>Histology of Ear</li> </ul>	<ul> <li>Cornea</li> <li>Retina</li> <li>External and Internal ear</li> </ul>	<ul> <li>Facial and superior aspect of cranium (Norma frontalis, Norma verticalis)</li> <li>External surface of cranial base (Norma basalis)</li> <li>Lateral and occipital aspect of cranium (Norma lateralis, occipitalis)</li> <li>Mandible</li> <li>Temporomandibular joint</li> <li>Face</li> <li>Scalp</li> <li>Orbit boundaries and Extraocular muscles</li> <li>Vessels and nerves of orbit</li> <li>Eyeball</li> <li>Eyelid and lacrimal apparatus</li> <li>Parotid and temporal region</li> <li>Infratemporal fossa</li> <li>Pterygopalatine fossa</li> <li>External and middle ear</li> <li>Inner ear</li> <li>Nose and paranasal sinuses</li> </ul>	<ul> <li>Oculomotor nerve palsy</li> <li>Extra Dural hemorrhage</li> </ul>	<ul> <li>Norma frontalis, verticalis and basalis</li> <li>Lateralis and occipitalis, TMJ &amp; Mandible Orbit boundaries</li> <li>Extraocular muscles</li> <li>Vessels and Nerves of orbit</li> <li>Temporal and Infra temporal region, Pterygopalatin e fossa</li> <li>External and middle ear</li> </ul>
İ	<ul> <li>Physiology</li> </ul>	Physiology of F	Ear & Eye		•		
	Biochemistry			Neurotransmitters, Vit	amin A role in vision		
				Spiral Cours			
	• The Holy Quran Translation	• Investigate (III-dial)	\				
	Islamiayat	<ul><li>Imaniat (Hadith</li><li>Zimidaari aur ta</li></ul>	,				

	Uswa-e-hasna
Pak Studies	Pakistan ki jughrafiyai ahmiyat aur difai haisiyat
	Pakistan k hamsaya mumalik se taluqaat
	Pakistan k qudrati wasail-maadniyaat
Biomedical Ethics /	Ethical dilemmas Involving breach in Justice
Professinalism	
<ul> <li>Behavioral Sciences</li> </ul>	Perception
<ul> <li>Radiology &amp; Artificial Intelligence</li> </ul>	General radiologic concepts
<ul> <li>Family Medicine</li> </ul>	Approach to a patient with earache
	Vertical Integration
<ul><li>Surgery</li></ul>	Plastic surgery
• ENT	Nasal polyp & Sinusitis & Diseases of External Nose
	Otitis Media Ear Discharge & Hearing Problems in Children
	Facial fractures
Medicine	Management Of Covid-19 Sense of Smell
• Eye	Refractive Errors Strabismus
	Ocular trauma & Ocular Procedures
	Conjunctivitis Chalazion
	Cataract & Glaucoma & Anti glaucoma drugs
	Early Clinical Exposure (ECE)
Medicine	Hyperthyroidism
	Hypothyroidism
	Cushing Syndrome
• Surgery	Thyroid Nodule
	Multi nodular Goiter
	CA Thyroid
	• Graves Diseases
• Eye	• Blindness
	Visual field defect
	• Cataract
<ul> <li>Otolaryngology</li> </ul>	• Deafness
	Hearing tests
	Nasal Obstruction

# **Categorization of Modular Contents Anatomy**

Category A*	Category B**		Category	C***	
		Demonstrations / SGD	CBL	SKL/Practical's	Self-Directed Learning (SDL)
• Special Embryology	• Special Histology	<ul> <li>Facial and superior aspect of cranium (Norma frontalis, Norma verticalis)</li> <li>External surface of cranial base (Norma basalis)</li> <li>Lateral and occipital aspect of cranium (Norma lateralis, occipitalis)</li> <li>Mandible</li> <li>Temporomandibular joint</li> <li>Face</li> <li>Scalp</li> <li>Orbit boundaries Extraocular muscles</li> <li>Vessels and nerves of orbit</li> <li>Eye ball</li> <li>Eyelid and lacrimal apparatus</li> <li>Parotid and temporal region</li> <li>Infratemporal fossa</li> <li>Pterygopalatine fossa</li> <li>External and middle ear</li> <li>Inner ear</li> <li>Nose and paranasal sinuses</li> </ul>	<ul> <li>Oculomotor nerve palsy</li> <li>Extra Dural hemorrhage</li> </ul>	<ul> <li>Cornea</li> <li>Retina</li> <li>External and internal ear</li> </ul>	<ul> <li>Norma frontalis, verticalis and basalis</li> <li>Lateralis and occipitalis, TMJ &amp; Mandible</li> <li>Orbit boundaries &amp; Extraocular muscles</li> <li>Vessels and Nerves of orbit</li> <li>Temporal and Infra temporal region, Pterygopalatine fossa</li> <li>External and middle ear</li> </ul>

Category A\*: By Professors

Category B\*\*: By Associate & Assistant Professors

Category C\*\*\*: By Senior Demonstrators & Demonstrator

## **Teaching Staff / Human Resources of Department of Anatomy**

Sr .#	Designation of Teaching Staff / Human Resource	Total number of teaching staff
1.	Professor of Anatomy department	01
2.	Assistant professor of Anatomy department (AP)	01
3.	Demonstrators of Anatomy department	04

## **Contact Hours (Faculty)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	2 * 09 = 18  hours
2.	Small Group Discussions (SGD)	2*15 + 1*4= 34 hours
3.	Practical / Skill Lab	1.5 * 15 = 22.5 hours

#### **Contact Hours (Students)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	1 * 9 = 09  hours
2.	Small Group Discussions (SGD)	2*15 + 1*4= 34 hours
3.	Practical / Skill Lab	1.5 * 3 = 4.5  hours
4.	Self-Directed Learning (SDL)	2 * 3 = 06  hours

## Physiology

Category A	Category B	Category C
Photochemistry of vision & Physiological basis for photo transduction (By Prof. Dr. Samia Sarwar / Dr. Uzma)	Introduction to Physiology of Eye & Optics of vision. General Principles of optics, Physiological basis for errors of refraction ( <b>By Dr. Uzma</b> )	CBL:
Physiology of accommodation and clinical abnormalities ( <b>By Prof. Dr. Samia Sarwar / Dr. Uzma</b> )	Introduction to Physiology of external ear, Middle ear (By Dr. Fareed)	PBL:
	Fluid system of the eye Intraocular pressure, Function of	Practical:
	the Structural Elements of the Retina ( <b>By Dr. Uzma</b> )	1. Estimation of Visual Acuity
		2. Examination of 8 <sup>th</sup> Cranial Nerve (vestibular function)
		3. Performance of Hearing Test (cochlear function)
	Functions of Inner ear, Physiology of Hearing ( <b>By Dr. Fareed</b> )	CBL:
	Hearing abnormalities, Tuning fork tests and audiometry	SGD:
	(By Dr. Aneela)	1. Physiology of Vision
		2. Physiology of hearing & Balance
		3. Sense of Taste & Smell
	Light & dark adaptation, Color vision, Neural functions	SDL: (ON CAMPUS)
	of the retina, Central neurophysiology of vision, Neural	1. Introduction to Physiology of external ear, Middle ear
	pathways for analysis of visual information ( <b>By Dr.</b>	2. Functions of Inner ear, Physiology of Hearing
	Uzma)	3. Hearing abnormalities, Tuning fork tests and audiometry
	Vestibular system (By Dr. Sidra)	(OFF CAMPUS)
	Lesions of visual pathway and its effects on field of	<b>4.</b> Introduction to Physiology of Eye & Optics of vision. General Principles of optics, Physiological basis for errors of
	vision, Movements of eyeball along with neural control	refraction
	(By Dr. Uzma)	<b>5.</b> Fluid system of the eye Intraocular pressure, Function of the
	Sense of Taste and pathophysiology (By Dr. Kamil)	Structural Elements of the Retina
		<b>6.</b> Photochemistry of vision & Physiological basis for photo
	Sense of Smell and pathophysiology (By Dr. Kamil)	transduction
		7. Vestibular system
		8. Sense of Taste and pathophysiology
		9. Sense of Smell and pathophysiology

**Category A\*:** By Professors

Category B\*\*: By Associate & Assistant Professors

Category C\*\*\*: By Senior Demonstrators & Demonstrators

## **Teaching Staff / Human Resources of Department of Physiology**

Sr .#	Designation of Teaching Staff / Human Resource	Total number of teaching staff
1.	Professor of Physiology department	01
2.	Assistant professor of Physiology department (AP)	01
3.	Associate professor of Physiology department	01 (DME)
4	Demonstrators of Anatomy department	07
5.	Residents of physiology department (PGTs)	08

## **Contact Hours (Faculty) & Contact Hours (Students)**

Sr .#	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	12 * 1= 12 hours
2.	Small Group Discussions (SGD) Case based learning (CBL)	1.5 * 3 = 4.5  hours
3.	Problem based learning (PBL)	
4.	Practical / Skill Lab	1.5 * 3 = 4.5 hours
5.	Self- Directed Learning	3x1=3hours (on campus) + $6x1=6$ hours (off campus) = $9$ hours
		Jumpus, Modis

## **Biochemistry**

Category A*	Category B**			Catogery C***	
LGIS	LGIS	PBL	CBL	Practical's	SGD
<ul> <li>Neurotransmitter</li> <li>Second Messenger</li> </ul>	<ul> <li>Receptors</li> <li>G-Proteins</li> <li>Role of Vitamin A in Vision</li> </ul>		Night Blindness	<ul> <li>Lipid Profile</li> <li>Urine Report Revision</li> <li>Spectrophotometer Revision</li> </ul>	<ul> <li>Neurotransmitters</li> <li>G-Proteins</li> </ul>

Category A\*: By HOD and Assistant Professor

Category B\*\*: By All (HOD, Assistant Professors, Senior Demonstrators)

Category C\*\*\*: (By All Demonstrators)

## **Teaching Staff / Human Resource of Department of Biochemistry**

Sr. #	Designation of Teaching Staff / Human Resource	Total number of teaching staff
1	Assistant professor of biochemistry department (AP)	01
2	Demonstrators of biochemistry department	07

## **Contact Hours (Faculty) & Contact Hours (Students)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours (Faculty)	Total Hours (student)
1.	Large Group Interactive Session (LECTURES)	2 * 5= 10hours	05
2.	Small Group Discussions (SGD)	1.5 * 5 = 7.5hours=22.5 hrs	4.5
3.	Problem Based Learning (PBL)	Zero	zero
4.	Practical / Skill Lab	1.5 * 5= 7.5hours=22.5 hrs	4.5
5.	Self-Directed Learning (SDL)		05

## Special Senses Module (First Week)

(12-09-2024 To 18-09-2024)

Principal College   Principal College   Principal College   Introduction to Physiology of college   Principal College   Optics of vision, General Principal College   Optics					(12	1-U7-2U24 IU I	0-07-2024)					
Throward   Practical & CEL/SGD   Topic mentioned at the   Procession for Physiology of Eye   A Optics of vision, General Phropshic of Optice, Physiology of external ear, Middle ear   Proceed (Cold)   Procession of Physiology of Eye   Procession of Optice, Physiology of external ear, Middle ear   Procession of Physiology of Eye   Procession of Optice, Physiology of external ear, Middle ear   Procession of Physiology of Eye   Procession of Eye   Processi	Date / Day	8:00am-9:20am	9:20am 9:20am – 10	:10am		10:30ai	n-11:20am	11:20am	-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
Practical & CBL/SGI   Practical & CBL/SGI   Topic mentioned at the end   Principles of optics, Physiological basis for errors of refraction   Dr. Uzma (Even)   Dr. Fareed (Odd)   Dr. Hassnain   Dr. Fareed (Even)   Dr. Hassnain   Dr. Fareed (Even)   Dr. Hassnain   Dr. Fareed (Even)   Dr. Fareed (Even)   Dr. Hassnain   Dr. Fareed (Even)   Dr. Tamed (Ddd)   Dr. Jamed (Even)   Dr. Jamed (Ddd)   Dr. Jamed (D			PHYSIOLOG	Y LGIS		ANATO	OMY LGIS	BEHAVIORA	L SCIENCES	-	SGD/DISSECTION	SDL Physiology
Dr. Uzma (Even)   Dr. Fareed (Odd)   Dr. Manifa (Even)   Odd)   Dr. Manifa (Even)		Topic mentioned at the	CBL/SGD & Optics of vision. General principles of optics, Physiological	, 2,	rea		Development of Eye-I	Perce	eption		aspect of cranium (Norma frontalis &	Introduction to Physiology of Eye & Optics of vision. General Principles of optics, Physiological
SURGERY   PHYSIOLOGY LGIS   SLAMIAYAT   ANATOMY LGIS   SUPPLY   Plastic surgery   Plastic surgery   Introduction to Physiology of Eye & Optics of vision.   Physiolo			Dr. Uzma (Even)		a B						Norma verticalis)	basis for errors of refraction
13-09-2024 Friday   Plastic surgery   Plastic		8:00 AM - 9:00 AM	9:00 AM 9:00 AM – 10	:00 AM		10:00 - 11:00	AM	11:00AM	– 12:00PM			
13-09-2024 Friday   Plastic surgery   Plastic		SURGERY	ERY PHYSIOLOG	Y LGIS		ISLAMIAY.	АТ	ANATO	MY LGIS			
Practical & CBL/SGD   Topic mentioned at the end   Dr. Uzma (Even)   Dr. Anneela (Odd)   Dr. Uzma (Even)   Dr. Anneela (Odd)		Plastic surgery	Introduction to Physiology of	Introduction to Physiology of Eye & Optics of vision. General Principles of optics, Physiological basis for		Imaniat (had	ith)	1	Eye-I	rea	Norma frontalis,	
Practical & CBL/SGD   Topic mentioned at the end   Practical & CBL/SGD   Practical &		Dr. Hassnain	snain Dr. Fareed (Even)	Dr. Uzma (Odd)			` ,	Saeed (Even)	Dr. Maria (Odd)			
Practical & CBL/SGD Topic mentioned at the end  Practical & CBL/SGD Topic ment			PHYSIOLOG	Y LGIS		BIOMEDICAL ETH	IICS CLUB ACTIVITY	SGD/DIS	SECTION		CBL/DISSECTION	SDL Physiology Fluid system of the eye
Dr. Uzma (Even))   Dr Fareed (Odd)   Extra Dural hemorrhage   th		Topic mentioned at the	pressure, Function of the		e a	Ethical dilemmas Inv	Ethical dilemmas Involving breach in Justice Mandible aspect of (Norma l		aspect of cranium (Norma lateralis &	Intraocular pressure, Function of the Structural Elements of		
Monday  (12 <sup>th</sup> Rabi-ul- Awwal 1446 A.H)			Dr Fareed (Odd)	В							the Retina	
Practical & CBL/SGD Topic mentioned at the end  Dr. Uzma (Even)  Dr. Aneela (Odd)  Practical & CBL/SGD Topic mentioned at the end  Dr. Uzma (Even)  Practical & CBL/SGD Topic mentioned at the end  Dr. Uzma (Even)  Dr. Aneela (Odd)  Practical & CBL/SGD General radiologic concepts  Approach to a patient with earache  Dr. Sadia (even) Dr. Amna (Odd)  BIOCHEMISTRY (LGIS) Pakistan ki jughrafiyai ahmiyat aur difai haisiyat  Neurotransmitters  Receptors  Neurotransmitters Receptors												
Tuesday  Practical & CBL/SGD Topic mentioned at the end  Dr. Uzma (Even)  Practical & CBL/SGD Topic mentioned at the end  Dr. Uzma (Even)  Practical & CBL/SGD Topic mentioned at the end  Neurotransmitters  Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters Neurotransmitters			BIOCHEMISTR	Y (LGIS)		FAMILY	MEDICINE	SGD/DIS	SECTION		SGD/DISECTION	
Tuesday  To be mend  Dr. Uzma (Even)  Dr. Aneela (Odd)  Dr. Sadia (even)  Dr. Sadia (even)  Dr. Amna (Odd)  Dr. Amna (Odd)  Dr. Amna (Odd)  BIOCHEMISTRY (LGIS)  Practical & CBL/SGD  General radiologic concepts  Neurotransmitters  Receptors  Pakistan ki jughrafiyai ahmiyat aur difai haisiyat	17-09-2024		1	Neurotransmitters		Approach to a p	patient with earache			ಡ		SDL Anatomy Norma lateralis and occipitalis,
RADIOLOGY  Practical & CBL/SGD Practical & CBL/SGD Topic mentioned at the Practical with the Practical of th	Tuesday	1	1	Dr. Aneela (Odd)	ಡ	Dr. Sadia (even)	Dr. Amna (Odd)	Fa	ace	ដ	joint	TMJ & Mandible
Practical & CBL/SGD Topic mentioned at the			RADIOLO	OGY	r e	BIOCHEM	ISTRY (LGIS)	PAK S	ΓUDIES		SGD/DISECTION	
	18-09-2024			c concepts	<b>B</b> 1		•			ಡ		SDL
end Dr. Quratalain (even) Dr. Riffat (Odd) Dr. Aneela (Even) Dr. Uzma (Odd) Qari Aman Ullah (Odd)	Wednesday		1	Dr. Riffat (Odd)		Dr. Aneela (Even)	Dr. Uzma (Odd)	Qari Aman	Ullah (Odd)	<b>:</b>	Scalp	Biochemistry Receptors

					T	able No. 1	(Time: 12:20	0pm – 02	:00pm)								
Batch D	stribution	or Practical		Topics for Skill Lab with Venue					Schedule fo	r Practic	al / Small	Group Discuss	sion				
Skills (a	ll subjects)		•	Cornea (Anatomy Histology	Day	Histolog	y Practical	Bio	chemistry		Physiol	ogy Practical	Phy	ysiology SGD		Bioche	mistry SGD
CBL / Si	nall Group	Discussion		Practical) Venue-Histology				F	Practical								
(Biocher	nistry and l	Physiology)		laboratory-Dr. Tariq Furqan		Batch	Teacher	Batch	Teacher	НОД	Batch	Teacher	Batch	Teacher Name	HOD	Batch	Teacher
			•	(Biochemistry Practical) Lipid			Name		Name	y E		Name			y F		Name
Sr. No	Batch	Roll No.		Profile Venue- Biochemistry	Monday	C	8	В	Dr. Rahat	d b	Е	Dr. Kamil	A	Dr. Aneela	d b	D	Dr. Uzma
1.	A	01-70		laboratory	Tuesday	D	iq pa	C	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	ise	Е	Dr. Almas
2.	В	71-140	•	Examination of Visual Acuity	Wednesday	Е	rvise HOD	D	Dr. Uzma	ΛJe	В	Dr. Shazia	C	Dr. Nayab	orv	A	Dr.
				(Physiology Practical) Venue –			e F			ďn					ďn		Romessa
3.	C	141-210		Physiology Lab	Thursday	В	dnS	A	Dr. Almas	$\infty$	D	Dr. Iqra	Е	Dr. Iqra	S	C	Dr. Nayab
4.	D	211-280			Saturday	A	<b>3</b> 1	Е	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
5.	E	281-onwards		Topics for SGDs / CBL with Venue		T	able No. 2 E	Batch Dist	ribution and Ve	enues for	Anatomy	Small Group	Discussio	on SGDs / Dissection	ons		
			•	Physiology SGD: Physiology of	Batches	Rol	l No	Anato	my Teacher		Ve	enue					
				Vision (Venue: Lecture Hall No 5)	A	01	-90	Dr. Gai	ti Ara	New L	ecture Hal	l Complex # 0	)1				
			•	Biochemistry SGD: Neurotansmitter	В	91-	-180	Dr. Mir	ahil Haq	New L	ecture Hal	l Complex # 0	)4	Supervised by Pr	of. Dr	: Ayesh	a Yousaf
			•	Anatomy CBL: Extradural	C	181-270 Dr. Tariq Furqan			Anatomy Lecture Hall 04								
				Hemorrhage	D 271 onwards Dr. Sadia Baqir A				Anator	ny Lecture	e Hall 03						

			Table No. 3	Batch Distribution with Venues	and Teacl	ers Name f	for Problem Based	Learning (PBL) Sessions	
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)
				Biochemistry)				(Basement)	
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(Demonstrator of				(Basement)	
				Physiology)					
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman
			Anatomy)	(Demonstrator Biochemistry)	)			(Basement)	(PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Gaiti Ara	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
				(Senior Demonstrator of					
				Anatomy)					
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan
				Physiology)					(Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)									
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01								
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04								

#### Special Senses Module (Second Week) (19-09-2024 To 25-09-2024)

Data / Da	0.00	0.20	- 0.2	010	0.10	10:10am-	10:20: 1		,	ım-12:10pm	12:10pm-	12:30pm – 2:00pm	Home																		
Date / Day	o:uua	m-9:20am	9:2	0am – 10		10:30am	10:30am-1				12:30pm		Assignments(2HRS)																		
				ENT			PHYSIOLOG		BIOCHEN	MISTRY (LGIS)		CBL/ DISSECTION																			
19-09-2024 Thursday		& CBL/SGD ioned at the end	Nasal polyp& Sinus	sitis & Di	seases of External Nose	Break	Photochemistry of vision &Physiological basis for photo transduction	Hearing abnormalities, Tuning fork tests and audiometry	Role Of Vitamin A In Vision	G-Proteins	Break	Orbit Extraocular muscles (ooculomotor nerve palsy)	SDL Anatomy Orbit boundaries Extraoccular muscles																		
			Dr. Sundas Masood (even)	Ι	Or. Tabasum (Odd)		Prof. Dr. Samia /Dr. Uzma (Even)	Dr. Aneela (Odd)	Dr.Almaas(Even)	Dr. Uzma/ Dr. Aneela (Odd)																					
	8:00 AM	I – 9:00 AM			0:00 AM		10:00 AM - 11:00A	M		M - 12:00PM																					
	]	EYE	PHY		GY LGIS		ISLAMIAT		BIOCHEN	IOCHEMISTRY (LGIS)		BIOCHEMISTRY (LGIS)																			
20-09-2024 Friday		uma & Ocular cedures	Functions of Inner ear, Physiology of Hearing	Intraocu	nid system of the eye ular pressure, Function of ructural Elements of the Retina		Zimidaari aur taluqa	aat	G-Proteins	Role Of Vitamin A In Vision	Ves	SDL Anatomy sels and Nerves of orbit																			
	Dr. Wajeeha (even)	Dr. Sidra Naseem(Odd)	Dr. Fareed (Even)		Dr. Uzma (Odd)	Mufti N	Naem Sherai (Even)	Qari Aman Ullah (Odd)	Dr. Uzma/ Dr. Aneela (Even)	Dr. Almaas (Odd)																					
			PHY	SIOLOG	GY LGIS		ANATOMY	(LGIS)	JOINT S	ESSION /EYE		SGD/DISSECTION																			
21-09-2024 Saturday		& CBL/SGD ioned at the end	Hearing abnormali Tuning fork tests audiometry	,	Photochemistry of vision &Physiological basis for photo transduction		Histology of Eye-II	Development of Eye-II	Cataract & Glaud	coma & Anti glaucoma drugs		Vessels and Nerves of Orbit	SDL Physiology Photochemistry of vision &Physiological basis for photo transduction																		
			Dr. Aneela (Even)		Prof. Dr. Samia / Dr. Uzma(Odd)		Assist. Prof. Dr. Maria (Even)	Prof. Dr. Ifra Saeed (Odd)	Dr. Ambreen (even)	Dr. Bilal Odd)			photo transduction																		
			PHY	SIOLOG	GY LGIS		ANATOMY	(LGIS)		EYE		SGD/DISSETION																			
23-09-2024 Monday		& CBL/SGD ioned at the end	Light & dark adaptat vision, Neural functi retina, Centr neurophysiology o Neural pathways for of visual inform	ons of the al f vision, analysis	Vestibular system	a k	Development of Eye-II	Histology of Eye-II	Conjucti	vitis Chalazion	a k	Eyeball	SDL physiology Vestibular system																		
			Dr. Uzma (Ev	ven)	.Dr. Sidra (odd)	Bre	Prof. Dr. Ifra Saeed (Even)	Assist. Prof. Dr. Maria (Odd)	Dr. Salman (even)	Dr. Fatima (Odd)	Bre																				
			PHY		GY LGIS	_	ANATOMY		SGD/I	DISECTION	_ =	SGD/DISSECTION																			
24-09-2024 Tuesday		& CBL/SGD ioned at the end	Vestibular system	vision retina, of visi	& dark adaptation,Color , Neural functions of the Central neurophysiology on, Neural pathways for		Histology of Ear	Development of Pharyngeal Apparatus	Parotid & Temporal region		Parotid & Temporal region		Parotid & Temporal region		Parotid & Temporal region						i l		f		f					Eyelids and Lacrimal	SDL Biochemistry G-Proteins
				analys	sis of visual information		Assist. Prof. Dr.	Prof. Dr. Ifra				apparatus																			
			.Dr. Sidra (Even)	. = 0 = =	Dr.Uzma (Odd)		Maria (Odd)	Saeed (Even)	_	america esta a		0.00																			
				ATOMY	(LGIS)		BIOCHEMIST		PAK	STUDIES		SGD/DISECTION	CDI																		
25-09-2024 Wednesday		& CBL/SGD ioned at the end	Development of Pharyngeal Apparatus		Histology of Ear		Second messenger system	Second messenger system	Aqliay	ya mumalik se taluqaat / ka Tahafooz		Dissection	SDL Biochemistry Role Of Vitamin A In																		
			Prof. Dr. Ifra Saeed (Odd)		Assist. Prof. Dr. Maria (Even)		Dr . Uzma (Even)	Dr Aneela (Odd)	` Qari Aman Ullah (Even)	Mufti Naem Sherai(Odd)			Vision																		

				Т	able No. 1	(Time: 12:2	0pm – 02	:00pm)								
Batch D	stribution	for Practical	Topics for Skill Lab with Venue					Schedule fo	r Practic	al / Small	Group Discuss	sion				
Skills (a	ll subjects)		Retina (Anatomy Histology Practical)	Day	Histolog	y Practical	Bio	chemistry		Physiol	ogy Practical	Phy	ysiology SGD		Bioche	mistry SGD
		Discussion	Venue-Histology laboratory-Dr. Tariq				F	Practical								
(Biocher	nistry and	Physiology)	Furqan		Batch	Teacher	Batch	Teacher	НОД	Batch	Teacher	Batch	Teacher Name	IOI	Batch	Teacher
			(Biochemistry Practical) Urine Report			Name		Name	>		Name			y F		Name
Sr. No	Batch	Roll No.	Venue- Biochemistry laboratory	Monday	C	by	В	Dr. Rahat	d b	Е	Dr. Kamil	A	Dr. Aneela	d b	D	Dr. Uzma
1.	A	01-70	Examination of 8th Cranial Nerve	Tuesday	D	<del>'</del>	C	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	ise	Е	Dr. Almas
2.	В	71-140	(Vestibular function) (Physiology	Wednesday	E	ervise HOD	D	Dr. Uzma	erv	В	Dr. Shazia	C	Dr. Nayab	erv	A	Dr.
			Practical) Venue – Physiology Lab			erv H(			dn					dn		Romessa
3.	С	141-210		Thursday	В	Supe	A	Dr. Almas	S	D	Dr. Iqra	Е	Dr. Iqra	S	C	Dr. Nayab
4.	D	211-280		Saturday	A	01	E	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
5.	E	281-onwards	Topics for SGDs / CBL with Venue		T	able No. 2 E	Batch Dist	ribution and Ve	nues for	Anatomy	Small Group	Discussio	on SGDs / Dissection	ons		
			Physiology SGD: Physiology of	Batches	Ro	ll No	Anato	my Teacher		Ve	nue					
			hearing & Balance (Venue: Lecture	A	01	-90	Dr. Gai	ti Ara	New L	ecture Hal	l Complex # 0	)1				
			Hall No 5)	В	91-	-180	Dr. Mir	nahil Haq	New L	ecture Hal	l Complex # 0	)4	Supervised by Pro	of. D	r. Ayesh	a Yousaf
			Biochemistry SGD: G-Proteins	C	181	-270	Dr. Tar	iq Furqan	Anator	ny Lecture	Hall 04					
			Anatomy CBL: Oculomotor Nerve	D	271 o	nwards	Dr. Sad	ia Baqir	Anator	ny Lecture	Hall 03					
			Palsy													

			Table No. 3	Batch Distribution with Venues :	and Teach	ers Name f	for Problem Based	Learning (PBL) Sessions	
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)
				Biochemistry)				(Basement)	
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(Demonstrator of				(Basement)	
				Physiology)					
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman
			Anatomy)	(Demonstrator Biochemistry)				(Basement)	(PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Gaiti Ara	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
				(Senior Demonstrator of					
				Anatomy)					
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan
				Physiology)					(Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)									
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01								
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04								

#### Special Senses Module (Third Week) (26-09-2024 To 02-10-2024)

			\-	10 U/ <b>2</b>	724 IU U2-IU-	<b></b>						
Date / Day	8:00am-9:20am	9:20a	nm – 10:10am	10:10am- 10:30am	10:30am-1	11:20am	11:20am	-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)	
26-09-2024 Thursday	Practical & CBL/SGD Topic mentioned at the end	Lesions of visual pathway and its effects on field of vision, Movements of eye ball along with neural control	Sense of Taste and pathophysiology	Break	Refractive Erro			SECTION ection	Break	SGD/DISSECTION  Infratemporal fossa-I	Anatomy SDL Temporal and Infra temporal region, Pterygopalatine fossa	
		Dr. Uzma (Even)	Dr. Kamil (Odd)		Dr. Sidra Jabeen (Even)	Dr. Maria (Odd)						
	8:00 AM – 9:00 AM		M – 10:00 AM		10:00 – 11:00AN	M		– 12:00PM				
ĺ	ENT	PHYSI	OLOGY LGIS		ISLAMIAT		SGD/DISS	SECTION				
27-09-2024 Friday	Otitis Media Ear Discharge &Hearing Problems in Children	Sense of Taste and pathophysiology	Lesions of visual pathway and its effects on field of vision, Movements of eye ball along with neural control		Uswa-e-hasna		Dissection			SDL Biochemistry 2 <sup>nd</sup> Messe	nger System	
1	Dr. Haitum Dr. Arshad	Dr. Kamil (Fyon) Dr. Uzma (Odd)		Muf	ti Naem Sherai	Qari Aman Ullah						
	(Even) (Odd)	(Even)	` '		(Even)	(Odd)						
			OLOGY LGIS	_	ANATOM	IY LGIS	ISLA	MIAT		SGD/DISSECTION		
28-09-2024 Saturday	Practical & CBL/SGD Topic mentioned at the end	Physiology of accommodation and clinical abnormalities	Sense of Smell and pathophysiology		Development of Ear	Development of Nose	Halal ke Ahmiat			Infratemporal fossa-II	Anatomy SDL External and middle	
Saturday	Topic mentioned at the end	Prof.Dr. Samia Sarwar/ Dr Uzma (Even)  Dr. Kamil (Odd)			Assist. Prof. Dr. Maria (Even)	Prof. Dr. Ifra Saeed (Odd)	Mufti Nae	em Shirazi		miratemporar rossa-n	ear	
		PHYSI	OLOGY LGIS		ANATOM	IY LGIS	E	NT		SGD/DISSECTION		
30-09-2024	Practical & CBL/SGD	Sense of Smell and pathophysiology	Physiology of accommodation and clinical abnormalities		Development of Nose	Development of Ear	Facial f	ractures		Pterygopalatine fossa	SDL Physiology	
Monday	Topic mentioned at the end	Dr Kamil (Even)	Prof.Dr. Samia Sarwar/ Dr Uzma (Odd)	a k	Prof. Dr. Ifra Saeed (Even)	Assist. Prof. Dr. Maria (odd)	Dr. Nida (Even)	Dr. Ashar (Odd)	a k		Sense of Taste and pathophysiology	
		PHYSIOI	LOGY SDL NO.01	re	ANATOM	IY LGIS	SGD/DISS	SECTION	r e	SGD/DISSECTION		
01-10-2024 Tuesday	Practical & CBL/SGD Topic mentioned at the end		Introduction to Physiology of external ear, Middle ear		Development of Palate	Development of Palate	Inner ear		Вг	External and middle ear	SDL Physiology Sense of Smell and pathophysiology Online clinical	
		Dr.Fareed (Even)	Dr Afsheen (Odd)		Prof. Dr. Ifra Saeed (Odd)	Assist. Prof. Dr. Maria (Even)					<b>Evaluation</b>	
		PA	KSTUDIES		PHYSIOLOGY	Y SDL No. 02	SGD/DIS	ECTION		SGD/DISECTION		
02-10-2024 Wednesday	Practical & CBL/SGD Topic mentioned at the end	Pakistan k qudrati	wasail-maadniyaat / Zaraat		Functions of Inner 6		Cross Sectio	nal Anatomy		Nose and paranasal sinuses	1	
w editesday	Topic mentioned at the end	Qari Aman Ullah (Even)	Mufti Naem Sherazi (Odd)		Dr. Fareed (Even)	Dr Ali Zain (Odd)				sinuses		

					T	able No. 1	(Time: 12:20	0pm – 02	:00pm)								
Batch Di	stribution	or Practical		Topics for Skill Lab with Venue					Schedule fo	r Practic	al / Small	Group Discus	sion				
Skills (al	l subjects)		•	External & Internal Ear (Anatomy	Day	Histolog	y Practical	Bio	chemistry		Physiolo	ogy Practical	Phy	ysiology SGD		Bioche	mistry SGD
CBL / Sr	nall Group	Discussion		Histology Practical) Venue-				I	Practical								
(Biocher	nistry and l	Physiology)		Histology laboratory-Dr. Tariq		Batch	Teacher	Batch	Teacher	НОД	Batch	Teacher	Batch	Teacher Name	OD	Batch	Teacher
				Furqan			Name		Name	уH		Name			λH		Name
Sr. No	Batch	Roll No.	•	(Biochemistry Practical) Revision of	Monday	C	by	В	Dr. Rahat	d b	Е	Dr. Kamil	A	Dr. Aneela	d b	D	Dr. Uzma
1.	A	01-70		Spectrophotometer Venue-	Tuesday	D	d b	C	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	ise	Е	Dr. Almas
2.	В	71-140		Biochemistry laboratory	Wednesday	Е	ervise HOD	D	Dr. Uzma	SIV	В	Dr. Shazia	C	Dr. Nayab	erv.	A	Dr.
			•	Performance of Hearing Test						dn					] dn		Romessa
3.	C	141-210		(cochlear function) (Physiology	Thursday	В	Sup	A	Dr. Almas	S	D	Dr. Iqra	Е	Dr. Iqra	S	C	Dr. Nayab
4.	D	211-280		Practical) Venue – Physiology Lab	Saturday	A	<b>0</b> 1	E	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
5.	Е	281-onwards		Topics for SGDs / CBL with Venue		T	able No. 2 E	Batch Dis	ribution and Ve	nues for	Anatomy	Small Group	Discussio	on SGDs / Dissection	ons		
			•	Physiology SGD: Physiology of Taste	Batches	Rol	l No	Anato	my Teacher		Ve	nue					
				& Smell (Venue: Lecture Hall No 5)	A	01	-90	Dr. Gai	ti Ara	New L	ecture Hal	l Complex # 0	)1				
			•	Biochemistry CBL: Night Blindness	В	91-	-180	Dr. Mii	ahil Haq	New L	ecture Hal	l Complex # 0	)4	Supervised by Pr	of. D	r. Ayesh	a Yousaf
					C 181-270 Dr. Tariq Furqan					Anator	ny Lecture	Hall 04					
					D 271 onwards Dr. Sadia Baqir					Anator	ny Lecture	Hall 03					

			Table No. 3	Batch Distribution with Venues	and Teach	ners Name	for Problem Based	Learning (PBL) Sessions	
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)
				Biochemistry)				(Basement)	
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(Demonstrator of				(Basement)	
				Physiology)					
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman
			Anatomy)	(Demonstrator Biochemistry)				(Basement)	(PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Gaiti Ara	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
				(Senior Demonstrator of					
				Anatomy)					
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan
				Physiology)					(Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)		
Odd Roll Numbers New Lecture Hall Complex Lecture Theater # 01		
<b>Even Roll Number</b> New Lecture Hall Complex Lecture Theater # 04		

## Tentative Schedule for LMS Based Weekly Online Assessments for Second Year MBBS (Special Senses Module) Batch 50

The online assessment for Special Senses Module for Second Year MBBS will be as per following schedule:

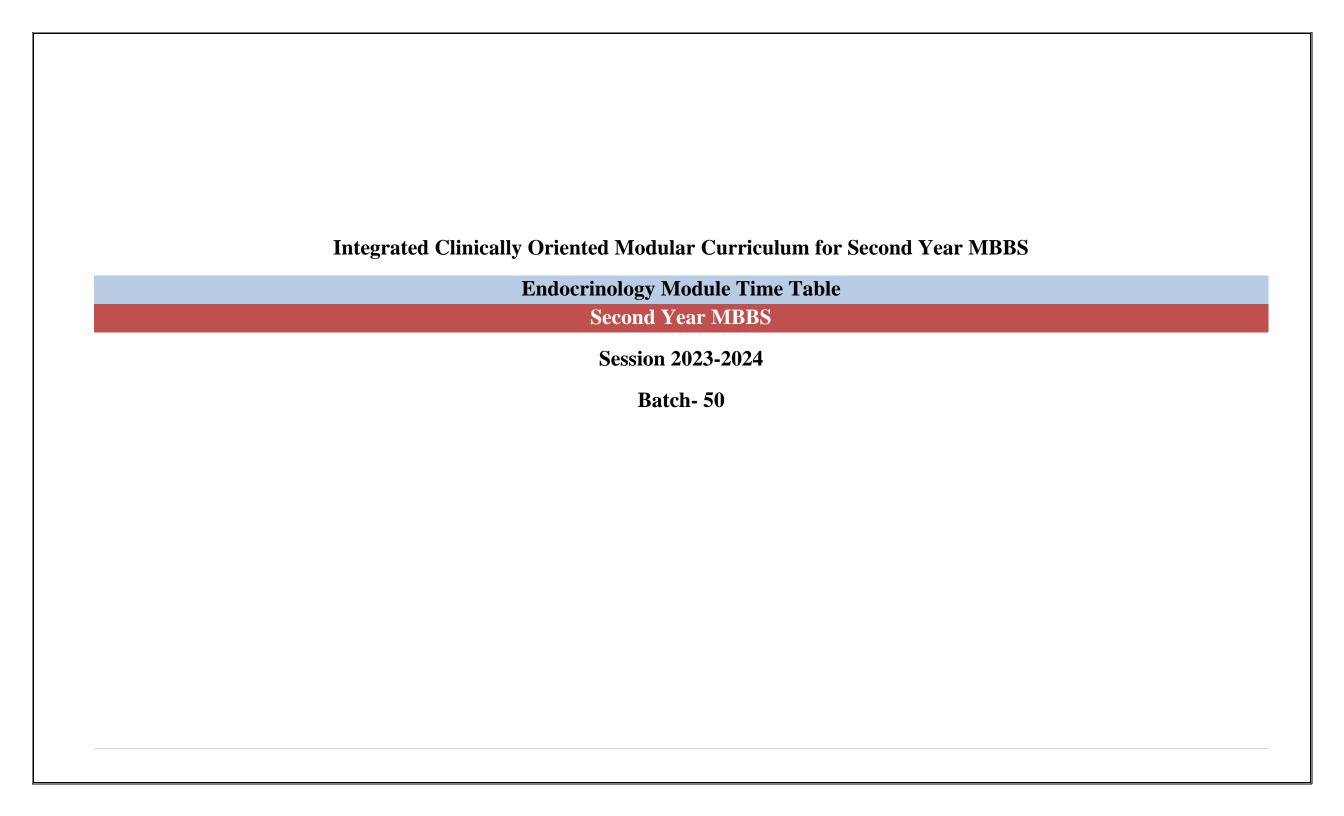
Class	Module	Day & Date	Time of	Focal person	Department
			Assessment		Responsible
		Tuesday	9:00 pm-	Prof. Dr Ayesha	Anatomy
		17 <sup>th</sup> September,2024	9:30pm	Yousaf	
		Wednesday	9:00 pm-	Prof. Dr Samia	Physiology
		18 <sup>th</sup> September,2024	9:30pm	Sarwar	
Second Year	Special Senses	Thursday 19 <sup>th</sup> September,2024	9:00 pm- 9:30pm	Dr Aneela Jamil	Biochemistry
MBBS	Module	Monday	9:00 pm-	Prof. Dr Ayesha	Anatomy
		23 <sup>rd</sup> September,2024	9:30pm	Yousaf	
		Tuesday	9:00 pm-	Prof. Dr Samia	Physiology
		24 <sup>th</sup> September,2024	9:30pm	Sarwar	
		Wednesday	9:00 pm-	Dr Aneela Jamil	Biochemistry
		25 <sup>th</sup> September,2024	9:30pm		

Note: All dates are subject to date.

## Special Senses Module (Fourth Week) (03-10-2024 To 09-10-2024)

Date / Days	08:00am – 02:00pm
03-10-2024	
Thursday	
04-10-2024	
Friday	
05-10-2024	
Saturday	Assessment Week
07-10-2024	Assessment week
Monday	
08-10-2024	
Tuesday	
09-10-2024	
Wednesday	

**Note:** Timetable Subject to Change According to The Current Circumstances.



## **Endocrinology Module Team**

Module Name : Endocrinology Module

Duration of module : 04 Weeks

Coordinator : Dr. Sidra Hamid

Co-coordinator : Dr.

13. Focal Person Quran Translation Lectures

14. Focal Person Family Medicine

Reviewed by : Module Committee

Dr. Uzma Zafar

Dr. Sadia Khan

Module Committee				Module Task Force Team
1. Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Sidra Hamid (Assistant Professesor of Physiology)
2. Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima
3. Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	3.	Co-coordinator	Dr. Sadia Baqir (Senior Demonstrator of Anatomy)
4. Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. (Demonstrator of Biochemistry)
5. Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Aneela Yasmeen (Senior Demonstrator of Physiology)
6. Focal Person Anatomy Second Year MBBS	Dr. Maria Tasleem			
7. Focal Person Physiology	Dr. Sidra Hamid			DME Implementation Team
		1.	Director DME	Prof. Dr. Ifra Saeed
8. Focal Person Biochemistry	Dr. Aneela Jamil	2.	Assistant Director DME	Dr Farzana Fatima
9. Focal Person Pharmacology	Dr. Zunera Hakim	3.	DME Implementation Team	Prof. Dr. Ifra Saeed
				Dr. Farzana Fatima
				Dr. Saira Aijaz
10. Focal Person Pathology	Dr. Asiya Niazi	4.	Editor	Muhammad Arslan Aslam
11. Focal Person Behavioral Sciences	Dr. Saadia Yasir			
12. Focal Person Community Medicine	Dr. Afifa Kulsoom			

## **Discipline wise Details of Modular Contents**

Block	Subjects	Embryology Histology H	Histology Practical Gross Anatomy SKL. Lab.	CBL SDL
III	• Anatomy	of pituitary & pineal gland & Thyroid & • parathyroid & gland of thyroid & • Adrenal •	<ul> <li>Pituitary Gland         <ul> <li>Thyroid &amp; parathyroid gland</li> <li>Adrenal gland</li> <li>Pancreas</li> </ul> </li> <li>Lateral-cervical region             (muscles &amp; triangles)</li> <li>Latera-cervical-region             (neurovascular organization)</li> <li>Interior-cervical region             (vessels of neck &amp; cervical plexus)</li> <li>Submandular region</li> <li>Soft palate</li> <li>Deep structures of neck</li> <li>Root of neck</li> <li>Thyroid&amp;Parathyroid gland</li> <li>Larynx</li> <li>Pharynx</li> <li>pancreas</li> </ul>	<ul> <li>Bones of neck</li> <li>SCM region &amp; superficial &amp; deep fascia</li> <li>lateral cervical region</li> <li>Anterior Triangle of neck &amp; its subdivisions</li> <li>Thyroid and para thyroid gland</li> <li>Online SDL Evaluation</li> <li>soft palate, larynx</li> </ul>
	Physiology	<ul> <li>Classification of hormones, Mechani and glucagon, Blood glucose regulat</li> </ul>	ism of action of different hormones Physiology of Thyrotion, Role of Calcium & Phosphate	oid hormones, Adrenal hormones, Insulin
	Biochemistry	Classification of hormones, Thyroid	hormones, Adrenal hormones, Insulin and glucagon, Bluspiral Courses	ood glucose regulation, Calcium revisit
	The Holy Quran Translation	•		
	Islamiayat			
	Biomedical Ethics	History of Medical Ethics		
	Behavioral Sciences	Professionalism In Healthcare		
	Radiology & Artificial     Intelligence	Basics of Radiology		

Family Medicine	Approach to patient diabetes mellitus			
	Vertical components			
• Peads	Growth problems due to Endocrine causes			
<ul><li>Surgery</li></ul>	Thyroid Disorders			
<ul> <li>Pathology</li> </ul>	Hypothyroidism and hyperthyroidism			
Medicine	Diabetes Mellitus			
• Obs & Gynae	Endocrine Disorders in Pregnancy (Diabetes Mellitus, Thyroid Disorders)			
	Early Clinical Exposure (ECE)			
<ul> <li>Medicine</li> </ul>	Thyroid disorders			
	Hyperthyroidism			
	Hypothyroidism			
	Cushing Syndrome			
• Surgery	Thyroid Nodule			
	Multi nodular Goiter			
	CA Thyroid			
	Graves Diseases			
• Eye	• Blindness			
	Visual field defect			
	Cataract			
<ul> <li>Otolaryngology</li> </ul>	• Deafness			
	Hearing tests			
	Nasal Obstruction			

## Categorization of Modular Contents Anatomy

Category A*	Category B**		Category (	<u></u>	
		Demonstrations / SGD	CBL	SKL/Practical's	Self-Directed Learning (SDL)
• Special Embryology	• Special Histology	<ul> <li>Bones of neck</li> <li>Hyoid Bone &amp;</li> <li>Cervical vertebrae</li> <li>Fascias of Neck</li> <li>Superficial structures of neck</li> <li>Lateral-cervical region (Muscles &amp; triangles)</li> <li>Lateral-cervical-region (Neurovascular organization)</li> <li>Anterior-cervical region (Muscles)</li> <li>Anterior-cervical region (Vessels of neck &amp; cervical plexus)</li> <li>Submandibular region</li> <li>Soft palate</li> <li>Deep structures of neck</li> <li>Root of neck</li> <li>Thyroid &amp; Parathyroid gland</li> <li>Larynx</li> <li>Pharynx</li> <li>Pancreas</li> </ul>	<ul> <li>Multi Nodular         Goitre with         Hypothyroidism</li> <li>Torticollis</li> </ul>	<ul> <li>pituitary gland</li> <li>Thyroid &amp; parathyroid gland</li> <li>Adrenal gland</li> <li>pancreas</li> </ul>	<ul> <li>Bones of neck</li> <li>SCM region &amp; superficial &amp; deep fascia</li> <li>lateral cervical region</li> <li>Anterior Triangle of neck &amp; its subdivisions</li> <li>Thyroid and para thyroid gland</li> <li>Online SDL Evaluation</li> <li>SDL Anatomysoft palate, larynx</li> </ul>

**Category A\*:** By Professors

Category B\*\*: By Associate & Assistant Professors

Category C\*\*\*: By Senior Demonstrators & Demonstrator

## **Teaching Staff / Human Resources of Department of Anatomy**

Sr .#	Designation of Teaching Staff / Human Resource	Total number of teaching staff
1.	Professor of Anatomy department	01
2.	Assistant professor of Anatomy department (AP)	01
3.	Demonstrators of Anatomy department	04

## **Contact Hours (Faculty)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	6*2=12
2.	Small Group Discussions (SGD)	15*2+2*1=32
3.	Practical / Skill Lab	20*1.5=30

## **Contact Hours (Students)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	1 * 6 = 06 hours
2.	Small Group Discussions (SGD)	2*15 = 32  hours
3.	Practical / Skill Lab	1.5 * 4 = 06 hours
4.	Self-Directed Learning (SDL)	2 * 4 = 08  hours

## Physiology

Category A	Category B	Category C
Thyroid hormone: Production, storage and release ( <b>By Prof.</b>	Hypothalamic–pituitary axis& GH (By Dr. Kamil)	CBL:
Dr.Samia Sarwar / Dr. Iqra)		Adrenocortical Hormone
Physiology of accommodation and clinical abnormalities ( <b>By Prof. Dr. Samia Sarwar / Dr. Uzma</b> )	Abnormalities of growth hormone secretion (By Dr. Kamil)	PBL:
Physiological role of thyroid hormone (By Prof. Dr.Samia Sarwar / Dr. Iqra)	Insulin and glucagon:  Structure and metabolic functions ( <b>By Dr. Fareed</b> )  Hormones of posterior pituitary gland (oxytocin and ADH) ( <b>By</b>	Practical: 1. Examination of pupillary reaction 2. Checking for color vision 3. Revision of practica  SGD: 1. Signal transduction & Growth hormone.
Abnormalities of thyroid hormone (Goiter, hypothyroidism and hyperthyroidism) (By Prof. Dr.Samia Sarwar / Dr. Iqra)	Dr. Kamil)	<ol> <li>Thyroid Hormones</li> <li>Insulin and Glucose Metabolism</li> <li>Bone pathophysiology (rickets, osteomalacia, osteoporosis, hypo and hyperparathyroidism</li> <li>Insulin and Glucagon:Structure and metabolic functions (Second week)</li> <li>Adrenal gland and its hormones (Fourth week)</li> </ol>
`Introduction to endocrinology & Signal transduction -I (By Dr. Shmyla)	Regulation of blood Glucose & Diabetes mellitus (By Dr.Fareed)  Aldosterone and cortisol (By Dr.Sheena)  Abnormalities of adrenocortical hormone (By Dr.Sheena)	<ol> <li>SDL: (ON CAMPUS)</li> <li>Regulation of blood Glucose &amp; Diabetes mellitus</li> <li>Abnormalities of adrenocortical hormone</li> <li>Bone pathophysiology (rickets, osteomalacia, osteoporosis, hypo and hyperparathyroidism)</li> </ol>
Introduction to endocrinology & Signal transduction- II ( <b>By Dr. Shmyla</b> )	Calcium homeostasis (Vitamin D, parathyroid hormone and calcitonin) (By Dr.Fahad)	<ol> <li>(OFF CAMPUS)</li> <li>Hypothalamic-pituitary axis &amp; GH</li> <li>Introduction to endocrinology &amp; Signal transduction</li> <li>Insulin and glucagon</li> <li>Aldosterone and cortisol</li> <li>Thyroid hormone</li> <li>Abnormalities of thyroid hormone (Goiter, hypothyroidism and hyperthyroidism)</li> <li>Calcium homeostasis (Vitamin D, parathyroid hormone and calcitonin</li> </ol>

Category A\*: By Professors

Category B\*\*: By Associate & Assistant Professors

Category C\*\*\*: By Senior Demonstrators & Demonstrators

## **Teaching Staff / Human Resources of Department of Physiology**

Sr .#	Designation of Teaching Staff / Human Resource	Total Number Of Teaching Staff
1.	Professor of Physiology department	01
2.	Assistant professor of Physiology department (AP)	01
3.	Associate professor of Physiology department	01 (DME)
4.	Demonstrators of Anatomy department	07
5.	Residents of physiology department (PGTs)	08

## **Contact Hours (Faculty) & Contact Hours (Students)**

Sr .#	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	1. 14 * 1= 14 hours
2.	Small Group Discussions (SGD) Case based learning (CBL)	1.5 * 4 = 6  hours + 2  hrs = 8  hours
3.	Problem based learning (PBL)	
4.	Practical / Skill Lab	1.5 * 3 = 4.5 hours
5.	Self- Directed Learning	3x1=3hours (on campus) + $7x1=7$ hours (off campus) = $10$ hours

## **Biochemistry**

Category A*	Category B**			Catogery C***	
LGIS	LGIS	PBL	CBL	Practical's	SGD
• Insulin & Glucagon	<ul> <li>Classification &amp; mechanism of action of hormones, Calcium metabolism (Revisit)</li> <li>Thyroid Hormones</li> <li>Adrenocortical Hormones</li> <li>Blood Glucose Regulation</li> </ul>		<ul> <li>Thyrotoxicosis</li> <li>Addison's Disease</li> </ul>	<ul> <li>Blood Glucose</li></ul>	<ul> <li>Classification &amp; mechanism of action of Endocrine Hormones</li> <li>Adrenocortical Hormones</li> </ul>

Category A\*: By HOD and Assistant Professor

Category B\*\*: By All (HOD, Assistant Professors, Senior Demonstrators)

Category C\*\*\*: (By All Demonstrators)

## **Teaching Staff / Human Resource of Department of Biochemistry**

Sr. #	Designation of Teaching Staff / Human Resource	Total number of teaching staff
1	Assistant professor of biochemistry department (AP)	01
2	Demonstrators of biochemistry department	07

## **Contact Hours (Faculty) & Contact Hours (Students)**

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours (Faculty)	Total Hours (student)
1.	Large Group Interactive Session (LECTURES)	2 * 8= 16hours	08
2.	Small Group Discussions (SGD)	1.5 * 5 = 7.5*4=30 hrs	6
3.	Problem Based Learning (PBL)	Zero	zero
4.	Practical / Skill Lab	1.5 * 5 = 7.5*4=30 hrs	6
5.	Self-Directed Learning (SDL)		07

#### Endocrinology Module (First Week) (10-10-2024 To 16-10-2024)

Date / Day	8:00a	m-9:20am	- 10:10am	10:10am-	10:30am	-11:20am	11:20am-12	:10nm	12:10pm-	12:30pm –	Home			
Dute / Day	0.000	m->.20am		OGY LGIS	10:30am		MY LGIS	PAKSTU	-	12:30pm	2:00pm SGD/DISSECTION	Assignments(2HRS)		
10-10-2024 Thursday		& CBL/SGD ioned at the end	Introduction to endocrinology & Signal transduction I	Hypothalamic–pituitary axis& GH	reak	Development of pituitary&. pineal gland  Asst Prof Dr. Maria	Histology of pituitary& pineal gland	Tareek e Khatm	Tareek e Khatm e Naboat / Muslim Milat ke Buniyad		Tareek e Khatm e Naboat /		Bones of neck Hyoid bone& Cervical Vertebrae	SDL Anatomy lateral cervical region
			Dr. Shmyla (Even)	Dr. Kamil (Odd)	В	Tasleem (Even)	Saeed (Odd)	Qari Aman	Qari Aman Ullah		Qari Aman Ullah		vertebrae	
		I – 9:00 AM		- 10:00 AM	10:00 – 11:00AM			11:00AM – 1			•			
	BEHAVIOURAL SCIENCES LGIS PHYSI		PHYSIOL	OGY LGIS		ANATOMY L	GIS	BIOCHEMIST	RY LGIS					
11-10-2024 Friday	Professionalism in healthcare		Hypothalamic– pituitary axis& GH	Introduction to endocrinology & Signal transduction I	Histology of pituitary & pineal gland		Development of pituitary&. pineal gland	Classification & Mechanism of action of Endocrine Hormone,	Mechanism of action of Endocrine  Thyroid Hormone		SDL Biochemistry Classification of endocrine hormones			
	Dr. Zarnain Umar	Dr. SadiaYasir (odd)	Dr Kamil	Dr. Shmyla	Asst Prof	Dr. Maria Tasleem	Prof. Dr Ifra Saeed	Dr. Isma Dr. Almas						
	(even)		(Even)	(Odd) OGY LGIS		(Even)	ven)         (Odd)         (Even)         (Odd)           PAKSTUDIES         RADIOLOGY			CBL/DISSECTION				
12-10-2024	Practical	& CBL/SGD	Introduction to endocrinology & Signal transduction-II	Abnormalities of growth hormone secretion		Islam Ka Mashi Nizam		Basics of Radiology			Superficial structures of neck (Stnocleido mastoid region of neck,	SDL physiology Hypothalamic–		
Saturday		ioned at the end	Dr. Shmyla (Even)	Dr. Kamil (Odd)		Qari An	nan Ullah	Dr Fiza (even)	Dr Zeenat (odd)		posteripor cervical region suboccipital trangle)	pituitary axis& GH		
			PHYSIOL	OGY LGIS		PAKS	PAKSTUDIES		SION-I)		SGD/DISECTION	CDI		
14-10-2024 Monday		& CBL/SGD ioned at the end	Abnormalities of growth hormone secretion  Dr. Kamil	Abnormalities of growth hormone secretion  Dr. Shmyla	<b>*</b>	2 Qoumi Nazria / Islami Mumliqat Qiyam		PBL Team		¥	Lateral cervical region (Muscles)	SDL Physiology Introduction to endocrinology &		
			(Even)	Odd)	e a	Qari An	nan Ullah			e a	(Wastes)	Signal transduction		
				OGY (LGIS)	i i		SGD/DISEC	TION		r	SGD/DISECTION			
15-10-2024 Tuesday		& CBL/SGD ioned at the end	Insulin and Glucagon: Structure and metabolic functions	Hormones of posterior pituitary gland (Oxytocin and ADH)	B		Lateral cervical (Neurovasscular Or			B	Superficial and deep fascias of the neck	SDL Anatomy SCM region & superficial & deep fascia		
			Dr. Fareed (Even)	Dr. Kamil (Odd)								rasera		
			PE	ADS			ГОМҮ	PBL 1 (SESS	ION-II)		SGD/DISECTION			
16-10-2024 Wednesday		& CBL/SGD ioned at the end	Growth problems du	e to Endocrine causes		Development of thyroid and parathyroid gland	Histology of thyroid and para thyroid gland	PBL Te	am		Anterior cervical region (Anterior Triangles of	SDL Biochemistry Mechanism of Action of Hormones		
	Wednesday Topic mentions	Topic mentioned at the end	Dr. Hiı	na Sattar		Dr. Prof. Ifra Saeed (Even)	Asst Prof Dr. Maria Tasleem (Odd)				neck)	Tetton of Hormones		

				Т	able No. 1	(Time: 12:2	0pm – 02	:00pm)								
Batch Di	istribution	for Practical	Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion												
,	ll subjects)		Pituitary gland (Anatomy, Histology	Day	Histology Practical		Biochemistry		Physiology Practical		ogy Practical	Physiology SGD			Biochemistry S	
	CBL / Small Group Discussion		Practical)					ractical								
(Biochemistry and Physiology)		Physiology)	Blood glucose estimation		Batch	Teacher	Batch	Teacher	НОБ	Batch	Teacher	Batch	n Teacher Name	HOD	Batch	Teacher
			(Biochemistry practical)			Name		Name	>		Name			>		Name
Sr. No	Batch	Roll No.	Examination of pupillary reaction	Monday	C	by	В	Dr. Rahat	d b	E	Dr. Kamil	A	Dr. Aneela	sed by	D	Dr. Uzma
1.	A	01-70	(Physiology practical)	Tuesday	D	~	C	Dr. Nayab	ise	A	Dr. Aneela	В	Dr. Shazia	ise	Е	Dr. Almas
2.	В	71-140		Wednesday	E	ervised	D	Dr. Uzma	erv	В	Dr. Shazia	C	Dr. Nayab	ervi	A	Dr.
						erv H(			Supe					dn		Romessa
3.	C	141-210		Thursday	В	Sup	A	Dr. Almas	<i>S</i> 2	D	Dr. Iqra	Е	Dr. Iqra	S	С	Dr. Nayab
4.	D	211-280		Saturday	A	<b>3</b> 1	Е	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Venue		Т	able No. 2 E	atch Dist	ribution and Ve	nues for	Anatomy	Small Group	Discussion	on SGDs / Dissection	ons		
			Anatomy CBL: Torticollis	Batches	Ro	ll No	Anato	my Teacher	Venue							
			Physiology SGD: Signal transduction	A	01	90	Dr. Gai	ti Ara	New Lo	ecture Ha	ll Complex # 0	)1				
			& Growth hormone.	В	91-	-180	Dr. Mir	ahil Haq	New Le	ecture Ha	ll Complex # 0	)4	Supervised by Pr	of. D	r. Ayesh	a Yousaf
			Biochemistry SGD: Classification of	C	181-270		Dr. Tar	q Furqan	Anatomy Lecture Hall 04							
			Endocrines Hormone & Adrenocortical	D	271 o	nwards	Dr. Sad	ia Baqir	Anaton	ny Lectur	e Hall 03					
			Hormone					·		·		·				

			Table No. 3 B	atch Distribution with Venues a	and Teach	ers Name f	or Problem Based	Learning (PBL) Sessions	
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demonstrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Muhammad Usman (PGT Physiology)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Tariq Furrqan (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan (Demonstrator Physiology)

Table No. 6 Venu	es for Large Group Interactive Session (LGIS)
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 01
Even Roll Number	New Lecture Hall Complex Lecture Theater # 04

#### Endocrinology Module (Second Week) (17-10-2024 To 23-10-2024)

					(1	/-10-202 <b>4</b> 10	<i>  23-10-2024)</i>					
Date / Day	8:00am-9:20an	n	9:20am	– 10:10am	10:10am- 10:30am			11:20am-12:	10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
			PHYSIOI	OGY LGIS)		ANATO	OMY LGIS	ВІОСНЕ	MISTRY LGIS	·	SGD/DISSECTION	<b>3</b>
17-10-2024 Thursday		& CBL/SGD oned at the end	Hormones of posterior pituitary gland (Oxytocin and ADH)	Insulin and Glucagon:Structure and metabolic functions	reak	Histology of thyroid parathyroid gland	Development of thyroid &parathyroid gland	Thyroid Hormone	Classification & Mechanism of action of Endocrine Hormone,	reak	Anterior cervical region	SDL Anatomy lateral cervical region
			Dr. Kamil (Even)	Dr. Fareed (Odd)	B	Asst Prof Dr. Maria Tasleem (Even)	Prof. Dr Ifra Saeed (Odd)	Dr. Almas (Even)	Dr. Isma (Odd)	g	(Vessels of Neck)	
		-9:00 AM		- 10:00 AM		10:00 - 11:00			M – 12:00PM			
	BIOMEDIC	CAL ETHICS		LOGY LGIS	BIOCHEMISTRY (LGIS)			PBL 2	(SESSION-I)			
18-10-2024 Friday	History of M	History of Medical Ethics Regulation of blood Glucose & Diabetes mellitus Aldosterone and Cortisol Insulin & Glucagon - I & Calcitonin		PBL Team		Ant	SDL Anatomy rerior Triangle of neck & i					
	Dr. Arsalan Even	Dr. Maria Odd	Dr.Fareed (Even)	Dr. Sheena (Odd)		Dr. Aneela Dr. Isma (Even) (Odd)						
			PHYSIO	LOGY LGIS		ISLAMIAYT		SGD/D	DISSECTION		SGD/DISSETION	
19-10-2024 Saturday	19-10-2024 Topic mention		Aldosterone and Cortisol  Aldosterone and Cortisol  Regulation of blood Glucose & Diabetes mellitus		Rasalat		Root of neck (arteries, veins & nerves)			Submandibular region	SDL Physiology Insulin and	
Saturday			Dr. Sheena (Even)	Dr.Fareed (Odd)	a k	Mufti Naeem Shirazi		nerves)		a k		Glucagon
		PHYSIOLOGY LGIS		e	ISLAMIAYT		PBL 2 (SESSION-II)		و	SGD/DISSECTION		
21-10-2024		& CBL/SGD oned at the end	Thyroid hormone: Production, storage and release	Abnormalities of adrenocortical hormone	Br	Itihad e Umat		PBL Team		B r	Deep structures of neck, prevertebral	SDL Physiology Aldosterone and
Monday	•		Prof. Dr.Samia Sarwar/ Dr. Iqra (Even)	Dr. Sheena (Odd)		Mufti Naeem Shirazi					muscles	Cortisol
22-10-2024 Tuesday		Practical & CBL/SGD Topic mentioned at the end  Early Clinical Exp		Early Clinical Expo	sure (ECE	E)						
			PATH	OLOGY		PHYSIO	LGY (LGIS)	SGD/D	DISSECTION		CBL/DISECTION	SDL Biochemistry
23-10-2024 Tuesday		& CBL/SGD oned at the end	Hypothyroidism	and hyperthyroidism	reak	Abnormalities of Adrenocortical hormone	Thyroid hormone: Production, storage and release	So	oft palate	reak	Thyriod & Parathyroid glands	Type I & II Diabetes Mellitus Glucose Tolerance
			Dr. Nida Fatima (even)	Dr. Faiza Zafar (Odd (odd)	В	Dr. Sheena (Even)	Prof. Dr.Samia Sarwar/ Dr. Iqra (Odd)		F	Bı	Paratnyroid glands	Test Curves Online clinical Evaluation

				Τ	able No. 1	(Time: 12:2	0pm – 02	:00pm)								
Batch D	istribution	for Practical	Topics for Skill Lab with Venue					Schedule fo	r Practic	al / Small	Group Discus	sion				
CBL/S	Skills (all subjects) CBL / Small Group Discussion		<ul> <li>Thyroid &amp; Parathyroid gland (Anatomy, Histology)</li> </ul>	Day Histology Practical		y Practical	Biochemistry Practical			Physiology Practical		Phy	Physiology SGD		Bioche	mistry SGD
(Bioche	(Biochemistry and Physiology)		<ul> <li>Practical G.T.T (Biochemistry practical)</li> </ul>		Batch	Teacher Name	Batch	Teacher Name	у НОБ	Batch	Teacher Name	Batch	Teacher Name	у НОГ	Batch	Teacher Name
Sr. No	Batch	Roll No.	Checking for color vision (Physiology	Monday	С	by	В	Dr. Rahat	d b	Е	Dr. Kamil	A	Dr. Aneela	d b	D	Dr. Uzma
6.	A	01-70	practical) (Physiology practical)	Tuesday	D	þ	C	Dr. Nayab	ise	Α	Dr. Aneela	В	Dr. Shazia	rvise	E	Dr. Almas
7.	В	71-140		Wednesday	Е	ervise HOD	D	Dr. Uzma	uperv	В	Dr. Shazia	С	Dr. Nayab	npe	A	Dr. Romessa
8.	C	141-210		Thursday	В	dnş	A	Dr. Almas	S	D	Dr. Iqra	Е	Dr. Iqra	$\sim$	C	Dr. Nayab
9.	D	211-280		Saturday	A	S	Е	Dr. Romessa		С	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
10.	Е	281-onwards	Topics for SGDs / CBL with Venue		T	able No. 2 E	Batch Dist	ribution and Ve	enues for	Anatomy	Small Group	Discussio	on SGDs / Dissection	ons		
			<ul> <li>Anatomy CBL: Multi Nodular Goitre</li> </ul>	Batches	Ro	l No	Anato	my Teacher		V	enue					
			with Hypothyroidism	A 01-90		Dr. Gai	ti Ara	New Le	ecture Ha	ll Complex # 0	)1					
			<ul> <li>Physiology SGD: Thyroid Hormones</li> </ul>	В	B 91-180		Dr. Mir	ahil Haq	New Le	ecture Ha	ll Complex # 0	)4	Supervised by Prof. Dr. Ayesha Yousa			a Yousaf
			<ul> <li>Biochemistry CBL: Addison's</li> </ul>	C	181	-270	Dr. Tar	iq Furqan	Anaton	ny Lectur	e Hall 04					
			Disease	D	271 o	nwards	Dr. Sad	ia Baqir	Anaton	ny Lectur	e Hall 03					

			Table No. 3 B	atch Distribution with Venues a	and Teach	ners Name f	or Problem Based	Learning (PBL) Sessions	
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
6.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)
				Biochemistry)				(Basement)	
7.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(Demonstrator of				(Basement)	
				Physiology)					
8.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman
			Anatomy)	(Demonstrator Biochemistry)				(Basement)	(PGT Physiology)
9.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Tariq Furrqan	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
				(Senior Demonstrator of					
				Anatomy)					
10.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan
				Physiology)					(Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers New Lecture Hall Complex Lecture Theater # 01

Even Roll Number New Lecture Hall Complex Lecture Theater # 04

#### Endocrinology Module (Third Week) (24-10-2024 To 30-10-2024)

					<u>-2024 10 30</u>	10-2024)					
Date / Day	8:00am-9:20am	9:20am	– 10:10am	10:10am- 10:30am	10:30am-11:20am		11:20am-12:10pn	n	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
24-10-2024 Thursday	Practical & CBL/SGD Topic mentioned at the end	Physiological role of thyroid hormone  Prof. Dr.Samia Sarwar/ Dr.	Calcium homeostasis (Vitamin D, parathyroid hormone and calcitonin)  Dr. Fahad (Odd)	Break	Development of adrenal gland and pancreas  Prof. Dr Ifra Saeed	Histology of adrenal gland & pancreas  Asst Prof Dr. MariaTasleem	Endo disorders in (diabetes me	Dr. Saba Yusaf	Break	SGD/DISSECTION  Larynx & trachea	SDL Physiology Thyroid Hormones
	8:00 AM – 9:00 AM	Iqra(Even)	– 10:00 AM		(Even) 10:00 – 11:00A	(Odd)	11.00 AM	(Odd) - 12:00PM			
	8:00 AM = 9:00 AM ISLAMIAYAT		LOGY LGIS		BIOCHEMISTRY			MEDICINE		SDL Biochemis	rv
25-10-2024 Friday	Amal Bin Maroof	Calcium homeostasis (Vitamin D, parathyroid hormone and calcitonin)	Physiological role of thyroid hormone		yroid Hormone & Calcitonin	Insulin & Glucagon - I	Approach to P	Patient Diabetes	Hypogly Diabetic Ketoacidosis & Hypogly Sta		<u>l</u>
	Mufti Naeem Sherazi	Dr. Fahad (Even)	Prof. Dr.Samia Sarwar/ Dr. Iqra (Odd)	Dr	: Isma(Even)	Dr. Aneela (Odd)		lia Khan			
			LOGY LGIS		ANATOM	IY LGIS	BIOCHEMI	ISTRY LGIS		SGD/DISSECTION	Anotomy CDI
26-10-2024 Saturday	Practical & CBL/SGD Topic mentioned at the end	Abnormalities of thyroid hormone (Goiter, hypothyroidism and hyperthyroidism)	Bone pathophysiology (rickets, osteomalacia, osteoporosis, hypo and hyperparathyroidism)		Histology of adrenal gland and pancreas	Development of adrenal gland and pancreas	Adrenocortical Hormones - I	Insulin & Glucagon - II		Dissection	Anatomy SDL Temporal and Infra temporal region, Pterygopalatine fossa
		Prof. Dr.Samia Sarwar Dr. Iqra (Even)	Dr. Fahad (Odd)		Assist. Prof. Dr. Maria (Even)	Prof. Dr. Ifra Saeed (Odd)	Dr. Isma (Even)	Dr. Aneela (Odd)			Online clinical Evaluation
		PHYSIOL	OGY (LGIS)		BIOCHEMIS	STRY LGIS	BIOCHEMI	ISTRY LGIS		SGD/DISSECTION	
28-10-2024 Monday	Practical & CBL/SGD Topic mentioned at the end	Bone pathophysiology (rickets, osteomalacia osteoporosis, hypo and hyperparathyroidism)	(Goiter,	reak	Insulin & Glucagon - II	Adrenocortical Hormones - I	Blood Glucose Regulation	Adrenocortical Hormones - II	r e a k	Pancrease	SDL Anatomy Thyroid and para thyroid gland
		Dr. Fahad (Even)	Prof. Dr.Samia Sarwar/ Dr. Iqra (Odd)	B	Dr. Aneela (Even)	Dr. Isma (Odd)	Dr. Uzma Zafar (Even)	Dr. Isma (Odd)	B		
			ISTRY LGIS			SGD/DISE	CTION			SGD/DISSECTION	
29-10-2024 Tuesday	Practical & CBL/SGD Topic mentioned at the end	Adrenocortical Hormones - II Dr. Isma (Even)	Blood Glucose Regulation  Dr. Uzma Zafar (Odd)	_		Adrenal glan	d (revisit)			Alimentary layer Pharynx, esophagus	SDL Physiology Abnormalities of
			PHYSIOLOGY SDL No.0I SGD/DISECTION	SGD/DISSECTION	J						
30-10-2024 Wednesday	Practical & CBL/SGD Topic mentioned at the end	Regulation of blood	d Glucose & Diabetes ellitus Dr Maryam (Odd)				Disection/ Spooting	SDL Anatomysoft palate ,larynx			

				T	able No. 1	(Time: 12:2	0pm – 02	:00pm)								
Batch D	Batch Distribution for Practical		Topics for Skill Lab with Venue	Schedule for Practical / Small Group Discussion												
,	Skills (all subjects)		Endocrinology, Adrenal gland &	Day	Histology Practical		Biochemistry		Physiology Practical		Physiology SGD		Biochemistry SGD			
	CBL / Small Group Discussion		Pancrease (Anatomy, Histology				Practical									
(Biocher	(Biochemistry and Physiology)		Practical)		Batch Teacher		Batch	Teacher	НОБ	Batch	Teacher	Batch	Teacher Name	HOD	Batch	Teacher
	L .		G.T.T / Revision (Biochemistry)			Name		Name	>		Name			<u> </u>		Name
Sr. No	Batch	Roll No.	practical)	Monday	C	by	В	Dr. Rahat	d b	E	Dr. Kamil	A	Dr. Aneela	ised by	D	Dr. Uzma
11.	A	01-70	CBL: Adrenocortical hormones	Tuesday	D	- <del>G</del>	C	Dr. Nayab	ise	Α	Dr. Aneela	В	Dr. Shazia	ise	Е	Dr. Almas
12.	В	71-140	(Practical batch) student's	Wednesday	Е	ervise HOD	D	Dr. Uzma	orv	В	Dr. Shazia	C	Dr. Nayab	] arv	A	Dr.
			presentations Lab						ďn					] ďn		Romessa
13.	C	141-210		Thursday	В	dnS	A	Dr. Almas	S	D	Dr. Iqra	Е	Dr. Iqra	$\infty$	C	Dr. Nayab
14.	D	211-280		Saturday	A	01	Е	Dr. Romessa		C	Dr. Nayab	D	Dr. Kamil		В	Dr. Rahat
15.	15. E 281-onwards Topics for SGDs / CBL with Venue Table No. 2 Batch Distrib		ribution and Ve	and Venues for Anatomy Small Group Discussion SGDs / Dissections												
			Physiology SGD: Insulin and	Batches	Ro	ll No	Anato	my Teacher		V	enue					
			Glucose Metabolism	A	01	-90	Dr. Gai	ti Ara	New L	ecture Ha	ll Complex # 0	)1				
			Biochemistry CBL: Thyrotoxicosis	В	91-180		Dr. Minahil Haq		New Lecture Hall Complex # 04			)4	Supervised by Prof. Dr. Ayesha Yousaf			
				C	181-270		Dr. Tariq Furqan		Anatomy Lecture Hall 04							
				D	271 onwards		Dr. Sadia Baqir A		Anatomy Lecture Hall 03							

	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions								
Sr No.	Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
11.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Demonstrator	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)
				Biochemistry)				(Basement)	
12.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(Demonstrator of				(Basement)	
				Physiology)					
13.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman
			Anatomy)	(Demonstrator Biochemistry)				(Basement)	(PGT Physiology)
14.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Tariq Furrqan	9.	E1	(281-315)	New Lecture Hall no.01	Dr. Ramsha (PGT Physiology)
				(Senior Demonstrator of					
				Anatomy)					
15.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan
				Physiology)					(Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers New Lecture Hall Complex Lecture Theater # 01

Even Roll Number New Lecture Hall Complex Lecture Theater # 04

#### Tentative Schedule for LMS Based Weekly Online Assessments for Second Year MBBS (Endocrinology Module) Batch 50

The online assessment for Endocrinology Module for Second Year MBBS will be as per following schedule:

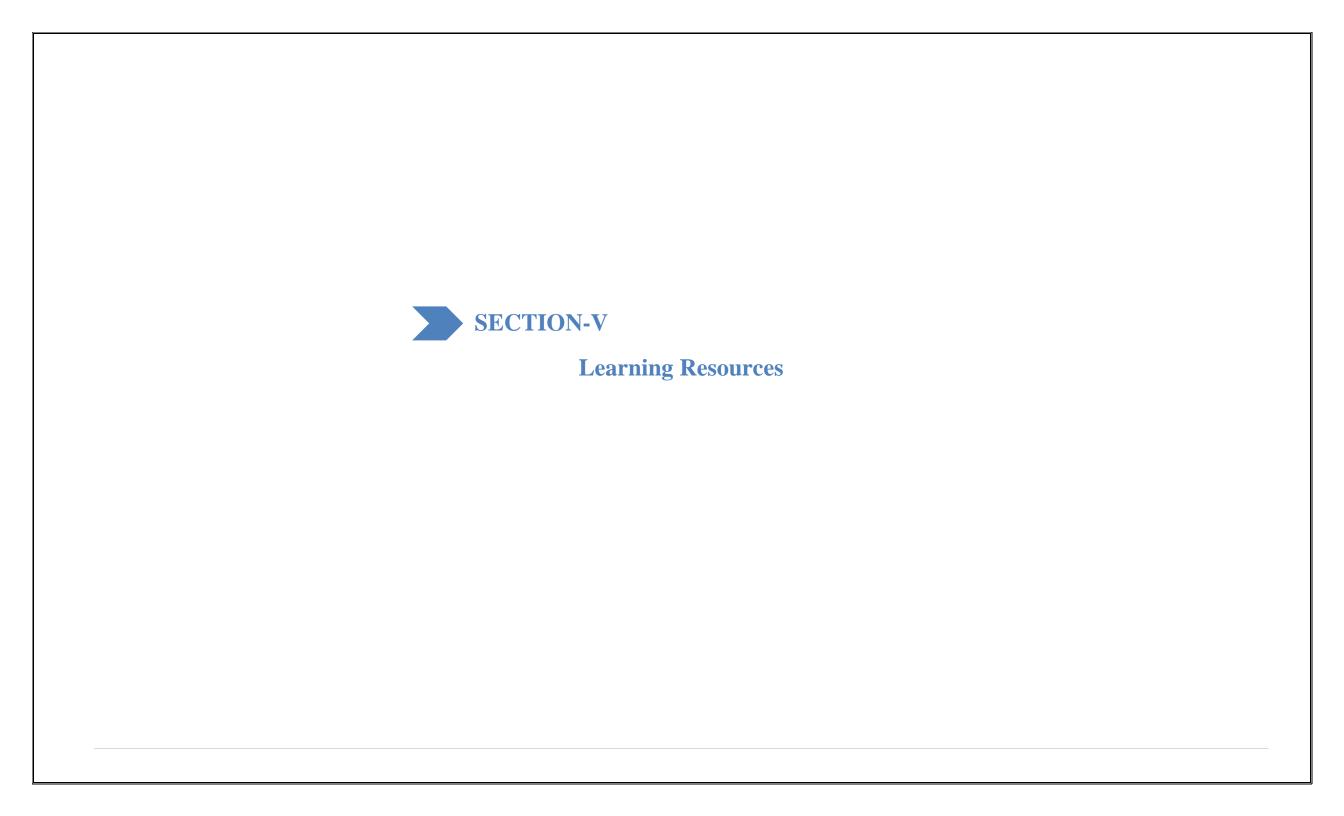
Class	Module	Day & Date	Time of Assessment	Focal person	Department Responsible
		Monday 14 <sup>th</sup> October,2024	9:00 pm-9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 15 <sup>th</sup> October,2024	9:00 pm-9:30pm	Prof. Dr Samia Sarwar	Physiology
Second Year	Endocrinology Module	Wednesday 16 <sup>th</sup> October,2024	9:00 pm-9:30pm	Dr Aneela Jamil	Biochemistry
MBBS	Wioduic	Monday 21st October ,2024	9:00 pm-9:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 22 <sup>nd</sup> October ,2024	9:00 pm-9:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 23 <sup>rd</sup> October ,2024	9:00 pm-9:30pm	Dr Aneela Jamil	Biochemistry

Note: All dates are subject to date.

#### Endocrinology Module (Fourth Week) (31-10-2024 To 06-11-2024)

Date / Days	Tentative Schedule for Endocrinology Sesnes Module Assessment	Time
31-10-2024		08:00am - 02:00pm
Wednesday		
01-11-2024		08:00am - 02:00pm
Thursday		
02-11-2024		08:15am - 09:15am
Friday	Assessment week	
03-11-2024	Assessment week	08:15am - 09:15am
Saturday		
05-11-2024		08:15am - 09:15am
Monday		
06-11-2024		
Tuesday		

**Note:** Timetable Subject to Change According to The Current Circumstances.



# **Learning Recourses**

Subjects	Resources
	Core Subjects & Horizontal Integration Subjects
	1. Gross Anatomy
	2. Gray's Anatomy by Prof. Susan Standring 42th edition, Elsevier.
	3. Clinical Anatomy for Medical Students by Richard S. Snell 10 <sup>th</sup> edition.
	4. Clinically Oriented Anatomy by Keith Moore 9 <sup>th</sup> edition.
Anatomy	5. Cunningham's Manual of Practical Anatomy by G.J. Romanes, 16th edition, Vol-I, II and III
Anatomy	6. <a href="http://www.anatomyzone.com">http://www.anatomyzone.com</a> 3D anatomy
	https://teachmeanatomy.info/
	B. Histology
	1. B. Young J. W. Health Wheather's Functional Histology 6 <sup>th</sup> edition.
	2. Medical Histology by Prof. Laiq Hussain 7 <sup>th</sup> edition.
	3. <a href="https://www.udemy.com/course/histology/">https://www.udemy.com/course/histology/</a>
	C. Embryology
	1. Keith L. Moore. The Developing Human 11 <sup>th</sup> edition.
	2. Langman's Medical Embryology 14 <sup>th</sup> edition.
	A. Textbooks
	1. Textbook Of Medical Physiology by Guyton And Hall 14 <sup>th</sup> edition.
DI : 1	2. Ganong 'S Review of Medical Physiology 26 <sup>th</sup> edition.
Physiology	B. Reference Books
	1. Human Physiology by Lauralee Sherwood 10 <sup>th</sup> edition.
	2. Berne & Levy Physiology 7 <sup>th</sup> edition.
	3. Best & Taylor Physiological Basis of Medical Practice 13 <sup>th</sup> edition.
	4. Guyton & Hall Physiological Review 3 <sup>rd</sup> edition. <b>Textbooks</b>
Biochemistry	1. Lippincott IIIustrated Reviews: Biochemistry – Wolters Kluwer
Diochemistry	2. Harper's Illustrated Biochemistry 32th edition.
	3. Lehninger Principle of Biochemistry 8 <sup>th</sup> edition.
	4. Biochemistry by Devlin 7 <sup>th</sup> edition.
	Textbooks
Community Medicine	1. Community Medicine by Parikh 25 <sup>th</sup> edition.
.,	2. Community Medicine by M Illyas 8 <sup>th</sup> edition.
	3. Basic Statistics for the Health Sciences by Jan W Kuzma 5 <sup>th</sup> edition.

	Textbooks
Pathology/Microbiology	1. Robbins & Cotran, Pathologic Basis of Disease, 10 <sup>th</sup> edition.
	2. Rapid Review Pathology, 5 <sup>th</sup> edition by Edward F. Goljan MD.
	3. http://library.med.utah.edu/WebPath/webpath.html
Pharmacology	Textbooks
	1. Lippincot Illustrated Pharmacology 9 <sup>th</sup> edition.
	Spiral Integration Subjects & General Education Cluster Courses
Bioethics	Textbooks
	1. Textbook of Medical Ethics by Erich H. Loewy (Author)
Videography	The Five Cs of Cinematography by Joseph V. Mascelli
	Digital Video Production: A Comprehensive Guide by Anirban Das
Leadership	Leadership and the New Science by Margaret J. Wheatley
	A Treatise on Good Works by Martin Luther
Family Medicine	Textbooks
	1. Textbook of Family Medicine" by Robert E. Rakel and David P. Rakel
	2. Essentials of Family Medicine" by Philip D. Sloane, Lisa M. Slatt, and others
	3. Textbook of Family Medicine" by Ian R. McWhinney
	4. Family Medicine: Principles and Practice" by Robert B. Taylor
Islamiat & Pak Studies	Islamiyat Lazmi by Muhammad Khalil
	Vertical Integration Subjects
Medicine	Textbooks
	1. Harrison's Principles of Internal Medicine by J. Larry Jameson, Anthony S. Fauci, and others
	2. Davidson's Principles and Practice of Medicine by Stuart H. Ralston, Ian D. Penman, and
	others
	3. Kumar and Clark's Clinical Medicine by Parveen Kumar and Michael Clark
	4. Oxford Handbook of Clinical Medicine by Ian B. Wilkinson, Tim Raine, and others
Surgery	Textbooks
	1. Bailey & Love's Short Practice of Surgery by Norman S. Williams, P. Ronan O'Connell, and
	Andrew W. McCaskie
Obsteterics &	Textbooks
Gynecology	1. Obstetrics by Ten Teachers
	2. Gynaecology by Ten Teachers
Peadiatrics	Textbooks
	1. Nelson Textbook of Pediatrics" by Robert M. Kliegman, Joseph St. Geme, and others

	2. "Textbook of Pediatrics" by A. Parthasarathy									
	Digital Resources									
Up To Date	Up To Date https://www.uptodate.com/contents/search									
RMU Digital library	RMU Digital library http://www.digitallibrary.edu.pk/rmc.html									
	International Resources									
USMLE	https://www.usmle.org/									
Plab	Plab https://www.gmc-uk.org/registration-and-licensing/join-the-register/plab									
U World	https://www.uworld.com/									



#### **Assessment**

Assessment is the systematic basis for making inferences about the learning and development of students. It is the process of defining, selecting, designing, collecting, analyzing, interpreting, and using information to increase students' learning and development.

### **Assessment Policy**

This policy is applicable to all the students of the MBBS program of RMU for all modes of teaching (on campus/online/any other) from the date of approval by the RMU Academic Council.

### 1. Guiding principles

- RMU has the responsibility to ensure to all the stakeholders that students have achieved the identified outcomes of the medical degree course.
- Assessment requires a variety of methods; no single method can completely ensure that the requisite competence level has been achieved. Hence each assessment instrument must be selected based on its utility index.
- Feedback, ensuring that the feedback loop is closed, should be provided to students following all assessments to ensure that students identify gaps in their learning and faculty can review future curricular and assessment content.
- The quality of the entire assessment including confidentiality of the assessment process must be ensured.
- The assessment process should be clear and transparent so that students know in advance the expectations (from students) and consequences of the assessment.
- Details of the conduct of examinations are available in the Examination policy document.

### 2. Purposes of assessment

- Feedback to students regarding their readiness and deficiencies.
- To ensure appropriate competence has been achieved.
- Feedback to faculty to evaluate the effectiveness of the teaching program.

#### 3. Forms of assessments

#### **Formative Assessment**

A formative assessment refers to a low-stakes assessment that does not normally contribute towards a student's final grade. A formative assessment may include summarizing the main points in a lecture or a weekly quiz to test comprehension of the reviewed content.

(assessment for learning) is carried out throughout modules and clerkships using various strategies (at the discretion of module coordinators and clerkship directors) feedback. Formative assessment performance may be taken as a continuous assessment.

#### **Summative Assessment**

A summative assessment is any method of evaluation performed at the end of a unit that allows a teacher to measure a student's understanding, typically against standardized criteria. Assessment of learning takes place at the end of modules/ blocks and clerkships and comprises of:

#### a. Written assessment (50%)

Multiple Choice Questions (MCQs) 40% Will be as USMLE format

Extended Match Questions (EMQ) 10% Short answer questions (SAQs) 50%

#### **b.** Performance (Practical) assessment (50%)

Objective Structured Practical Examination (OSPE) Years I, II and III Objective Structured Clinical Examination (OSCE) Years IV - V Short cases will be included in OSCE

### 4. Assessment and their timings

- The module/ clerkship teams will be responsible for their assessment plan mentioning assessment strategies, timings, and other essentials (please refer to the individual plans).
- Students will be briefed about the pattern and scoring of the assessments before the examination.
- Professional examination will be taken by RMU.

### 5. Weekly LMS (learning management system) assessment of LGIS and SDL

- There will be weekly assessment of LGIS and SDL of whole week at end of week through LMS.
- The LMS result will be shared by module coordinator and DME through vice chancellor on weekly basis.

#### 6. Eligibility to appear in End Block Assessment (EBA)

- This will be applicable to all the blocks of undergraduate program
- 90% attendance in each subject will be mandatory
- Student must pass in all LMS, mid module assessments to appear in EBA
- There will be no remedial classes for attendance compensation
- There will be no remedial of assessment after poor performance

### 7. Eligibility to appear in Pre-Annual Assessment (PAA)

• 90% attendance in each block is required to appear in PAA

- It is mandatory to appear in all EBA to appear in PAA
- Appraisal letter from head of departments will be needed to appear in pre-annual assessment.

### 8. Attendance policy

- 90% attendance in each block is required to appear in PAA
- There will be extra marks given as per rules.
- Attendance of the students will be shared by coordinator of module and DME through vice chancellor RMU on weekly basis.

90% and above	20 marks
80-89%	10 marks
70-79%	5 marks
Below 70%	-5 marks
Below 60%	-10 marks
Below 50%	-20 marks

• These marks will be counted in annual professional assessment.

## 9. Eligibility to appear in annual professional assessment

- Minimum 60% score in pre-annual assessment is required to appear in annual professional examination.
- Written and practical /OSPE/OSCE should be passed separately.

## 10.Passing criteria in annual professional examination

• 60% marks will be needed to pass annual professional examination.

## 11.Total break up of assessment score

Annual professional exam weightage 70%Continuous internal assessment weightage 30

#### **Internal Assessment**

Continuous Internal Assessment means the assessment based on continuous internal assessment (CIA) tests and assignments given to the students during an academic period.

Break up of internal assessment is as follows:

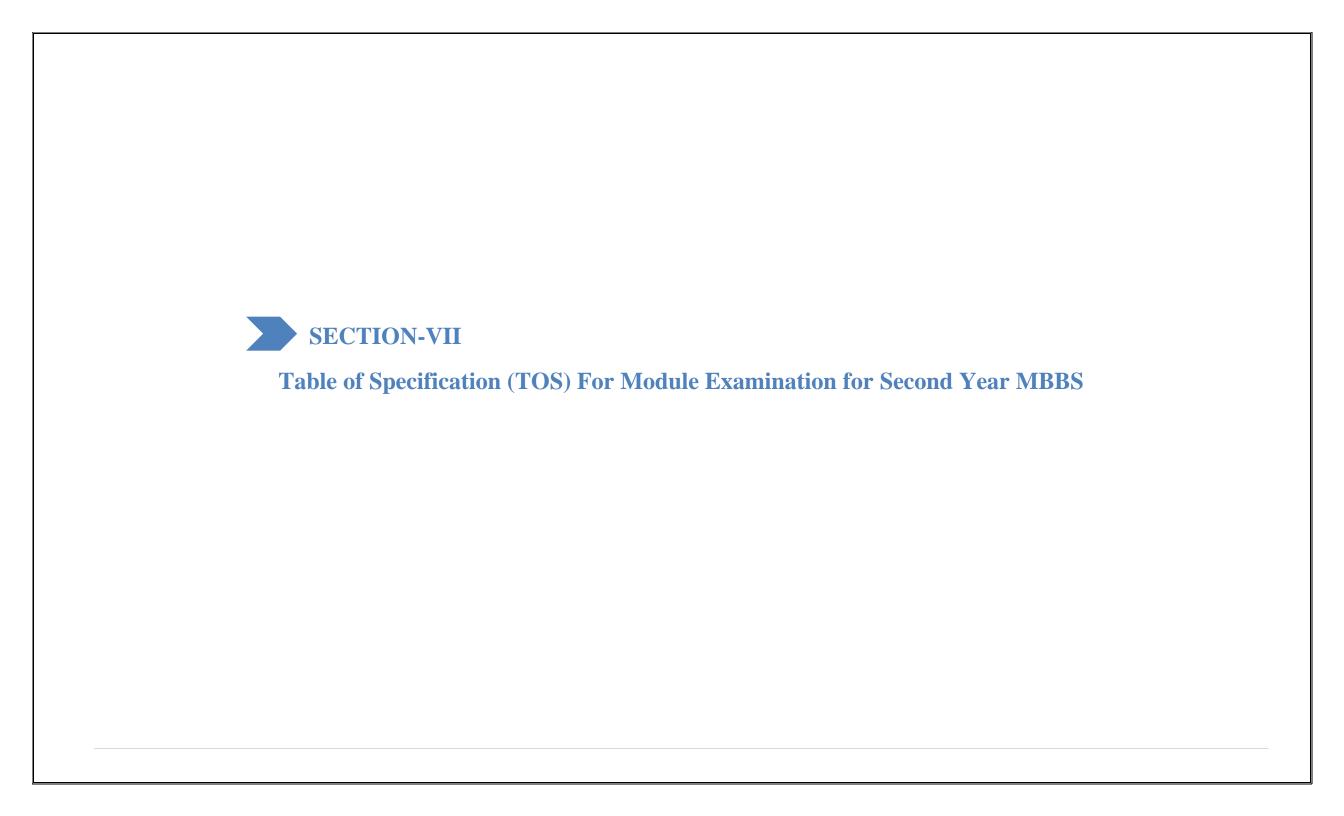
Continuo	ous Internal assessi	ment (CIA) 100°	%		50% e (summ	nd block assessment native)
End module-I (25% End module 10 LMS 03 Attendance 02	)	End block-1 End block LMS Attendance	(25%) 10 03 02			
Work place based ass Further division of 50	,	)%				
Ward test (50%)	Histories (20%)	Case presen (10%)	tation	Log (10%)		Research (10%)

Once internal assessment is compiled it CANNOT be altered under ANY circumstance unless a clerical/ human error is detected. He will repeat classes and skills There will be no change in calculated internal assessment scores for supplementary University examination.

### 12. Research publication marks

- Extra marks will be given to students who will publish research article in student journal, resident journal or faculty journal.
- These marks will be adjusted in viva.

Name of journal	Marks
Faculty journal	20 marks
Resident journal	15 marks
Student journal	10 marks



# **Specification (TOS) For Module Examination for Second Year MBBS**

												Domain	s: C-Cor	e Su	biect	t (709	%) Le	evels	C1-C2.	HV- Hori	ontal	& Ve	ertical	Integr	ation	20%) Lev	vels C	2-C3, S-	Spira	al Int	egra	tion (1	0%) Lev	els C2-C3							
	Domains: C-Core Subject (70%) Levels C1-C2, HV- Horizontal & Vertical Integration (20%) Levels C2-C3, S- Spiral Integration (10%) Levels C2-C3  Theory (Cognitive) Assessment  Practical (Skill & Attitude) Assessment																																								
End of Module Assessment	Subject				MC	Qs					EMQ	ls .				SAQs	i				s	EQs			Mari	Tota s Mari	ks	Total Time			AV	OSPE		Time	AED Reflective Writing		OSVE		Total Practical Marks	Grand Total	Total Time of Module Assessment
		C	Н	V S	ì	otal	M	arks	С	To	otal	Marks	С		HV	S	Ŀ	Total	Marks	С	H	/	S	Total		111100	.,		С	HV	S	Total	Marks		Ů	Viva	Сору	Total	Marks		
	Anatomy	19	4	1 2	!	25	1	25	1		1	5	3		1	1		5	25	3	1		1	5	45	100	0	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
First Module	Physiology	19	4	1 2	!	25	- 7	25	1		1	5	3		1	1		5	25	3	1		1	5	45	100	0	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
	Biochemistry	19	4	1 2	!	25	- 7	25	1		1	5	3		1	1	Т	5	25	3	1	Т	1	5	45	100	0	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Formative- Week	ormative- Weekly LMS Based Assessment of 30 MCQs (10 MCQs per Subject)																																								
				Т	Τ												Т					Т					П				П										
													T	heo	ry (C	ognit	tive)	Asse	ssment										Practical (Skill & Attitude) Assessment Total Time of										Total Time of		
End of Module Assessment	Subject				MC	Qs					EMQ	(s				SAQs	i			SEQs			Mark	Tota s Mar		Total			AV	OSPE		Time	AED Reflective		OSVE		Total Practical	Grand Total	Module		
		С	Н	V S	ī	otal	M	arks	С	To	otal	Marks	С		HV	S	1	Total	Marks	С	H	/	S	Total		Theo	ry	Time	С	HV	S	Total	Marks		Writing	Viva	Сору	Total	Marks		Assessment
Second	Anatomy	19	4	1 2	!	25	- 7	25	1		1	5	3		1	1	Ι	5	25	3	1	Ι	1	5	45	100	0	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Module	Physiology	19	4	1 2	!	25	- 7	25	1		1	5	3		1	1	$oxed{\int}$	5	25	3	1		1	5	45	100	0	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Module	Biochemistry	19	4	1 2	!	25	- 7	25	1		1	5	3		1	1	T	5	25	3	1	T	1	5	45	100	0	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Formative- Week	kly LMS Based Assess	men	tof 3	0 MC	Qs (	10 M	1CQs	per S	ubjec	ct)																															

Block	Subjects		LMS I	Base	d Assess	sment			Gran	Total Block				
DIOCK	Jubjects			١	<b>ICQs</b>		LabOSPE	IOSPE	COSPE	Total	Marks	Time	d Total	Time
		С	HV	S	Total	Time	C	HV	S	TOtal	IVIGINS		TOLAI	
	Anatomy	21	6	3	30	30 min	14	4	2	20	60	6 HRS	90	10 HRS
BLOCK	Physiology	21	6	3	30	30 min	14	4	2	20	60	6 HRS	90	10 HRS
	Biochemistry	21	6	3	30	30 min	14	4	2	20	60	6 HRS	90	10 HRS

 $50\%\,Questions/OSPE\,Stations/Viva\,Stations\,will\,be\,from\,Foundation\,Module\,and\,50\%\,Questions\,will\,be\,from\,MSK-1\,Module$ 

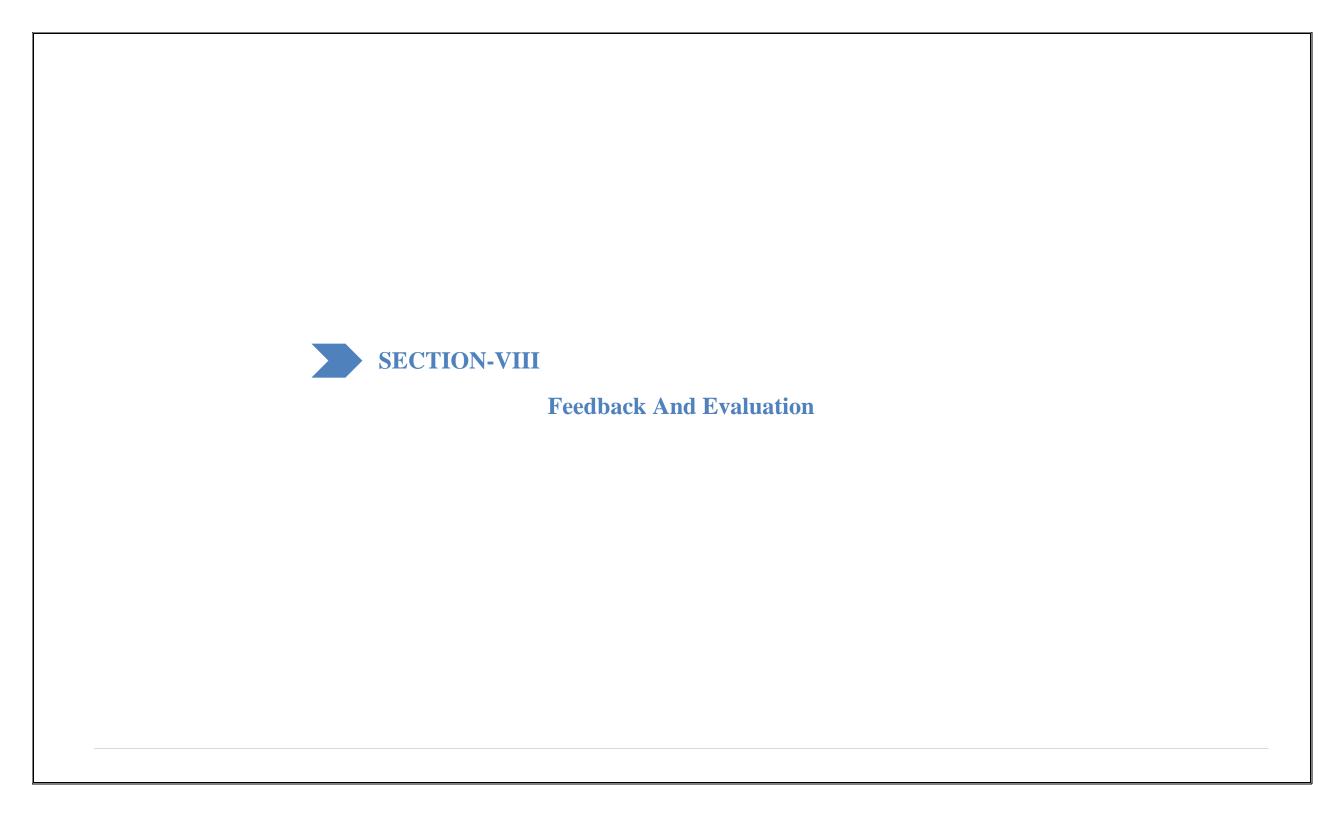
For Each assessment student will have to individually pass Theory and Practical components

Marks per

ltem

_	ILCIII					
	MCQ=1	EMQ=5	SAQ= 5	SEQ= 9	AVOSPE=	5 OSPE= 3
	OSPE Time	=1 Round of 40 S	Students =80 min			
		3 Round of 40	Students =240 min			
Ī	OSV	E=Time per stud	ent=5mins			

Weekly LMS Assessment										
Subjects Anatomy Physiology										
No of MCQs*	30	30	30							
Marks/MCQ 30 30 30										
*MCQ=1 Mark each, 1 min each										



#### **Feedback And Evaluation**

Rawalpindi Medical University is dedicated to advancing equality, diversity, and inclusion across all its activities, processes, and cultural practices, in line with its Public Sector Equality Duties. This commitment encompasses promoting equality and diversity for everyone, regardless of any protected characteristic, working pattern, family circumstance, socio-economic background, political belief, or any other irrelevant distinction. Where pertinent to the policy, decision-making panels will ensure a reasonable gender balance (with at least one man and one woman) and will actively consider the representation of other protected groups.

**Principles** Feedback from students is essential to inform the development of the University's programmes and to help shape all aspects of their current and future learning and broader experience. The University actively seeks and encourages students to share their views. Our approach aims to create openness, responsiveness and a sense of partnership.

#### How feedback is received

#### > Informal Feedback

Informal feedback is received by day-to-day dialogue between students and staff,

#### > Formal Feedback

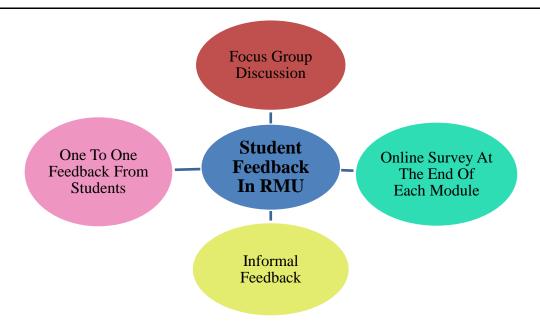
Feedback is received from students in more formal settings. These include:

#### • Central survey campaign

The University regularly invites students to participate in anonymous surveys (Appendix 1).

The central surveys take place after every module, after every Block and at the end of the academic year. This schedule enables the University to work in conjunction with the students and help to improve the teaching, learning and assessment methodologies.

- Focus Group Discussion
- One To One Feedback from Students



# **Appendix -I Student Feedback Proforma for 2024**

(to be conducted after every module completion)

# **Module Content & Organization**

Questionnaire	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
The module objectives were informed.					
At the beginning of module study guide was					
available.					
The module workload was manageable.					
The pace of the module was manageable.					
The module was well organized.					
Module started and ended on time.					
End of block feedback was taken					

# **Learning Environment and Teaching Methods**

Questionnaire	Strongly	Agree	Uncertain	Disagree	Strongly Disagree
	Agree				
Lectures were delivered appropriately.					
Labs were conducted appropriately.					
Small group discussions were conducted appropriately					
Teaching sessions were as per schedule.					
CBLs were conducted appropriately					
Faculty was cooperative.					
Learning resources were communicated clearly					
SGDs were standardized between different batches					

# **Quality of Delivery**

Questionnaire	Strongly	Agree	Uncertain	Disagree	Strongly
	Agree				Disagree
The module stimulated my interest.					
Ideas were presented clearly.					

# **Learning Resources**

Questionnaire	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
Learning Material was provided /	rigice				Disagree
recommended.					
Learning Resources were available in the					
library.					
Digital / Web Based resources were					
available.					
Power points of lectures were available					

# **Student Contribution**

Questionnaire	, ,	Agree	Uncertain	Disagree	Strongly Disagree
	Agree				Disagree
I participated actively in the module.					
I believe I have made progress in this					
module.					

### **Assessments**

Questionnaire	Strongly	Agree	Uncertain	Disagree	Strongly
	Agree				Disagree
Class tests were conducted regularly.					
Class tests were helpful					
Test difficulty was appropriate.					
Written Assessment was as per Table of					
Specifications.					
OSPE Exam was as per Table of					
Specification					
Table of Specification was shared					

# LMS and its working

Questionnaire	1 ,	Agree	Uncertain	Disagree	Strongly Disagree
	Agree				Disagree
Easy Access to LMS					
Module Content was Available					

