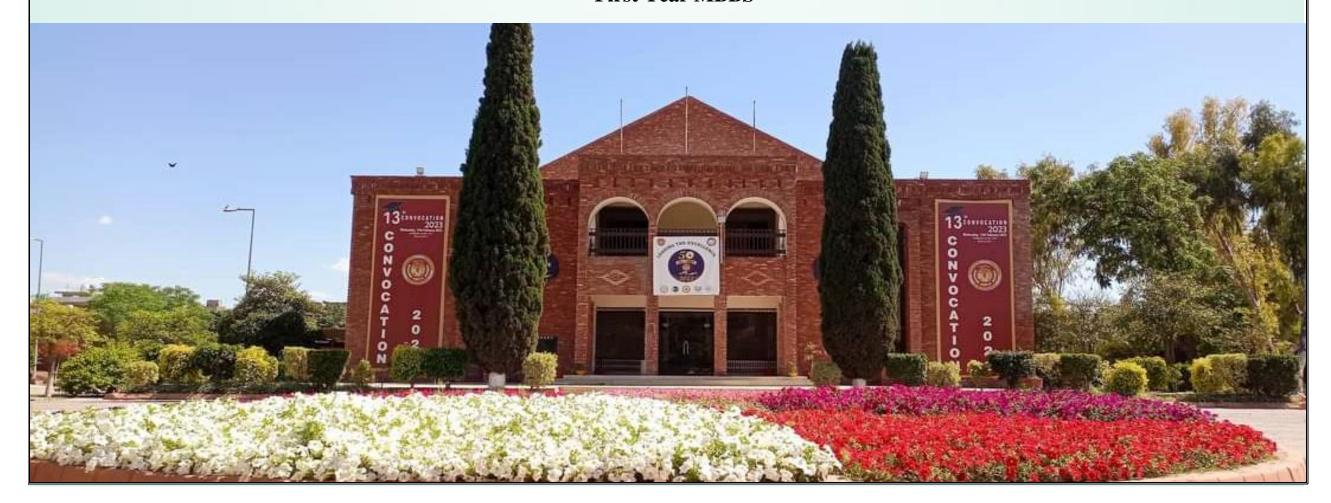
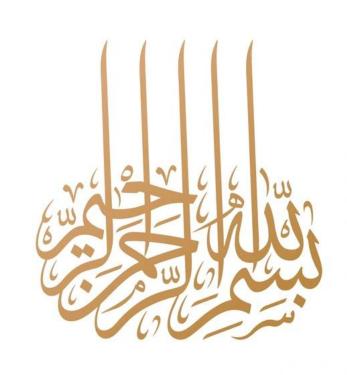


Rawalpindi Medical University Implementation Plan Clinically Oriented Integrated Modular Curriculum 2024 First Year MBBS

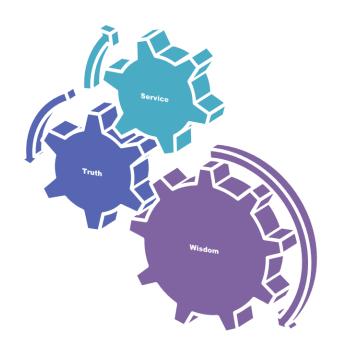




Dedicated to Hazrat Muhammad (S.A.W)

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

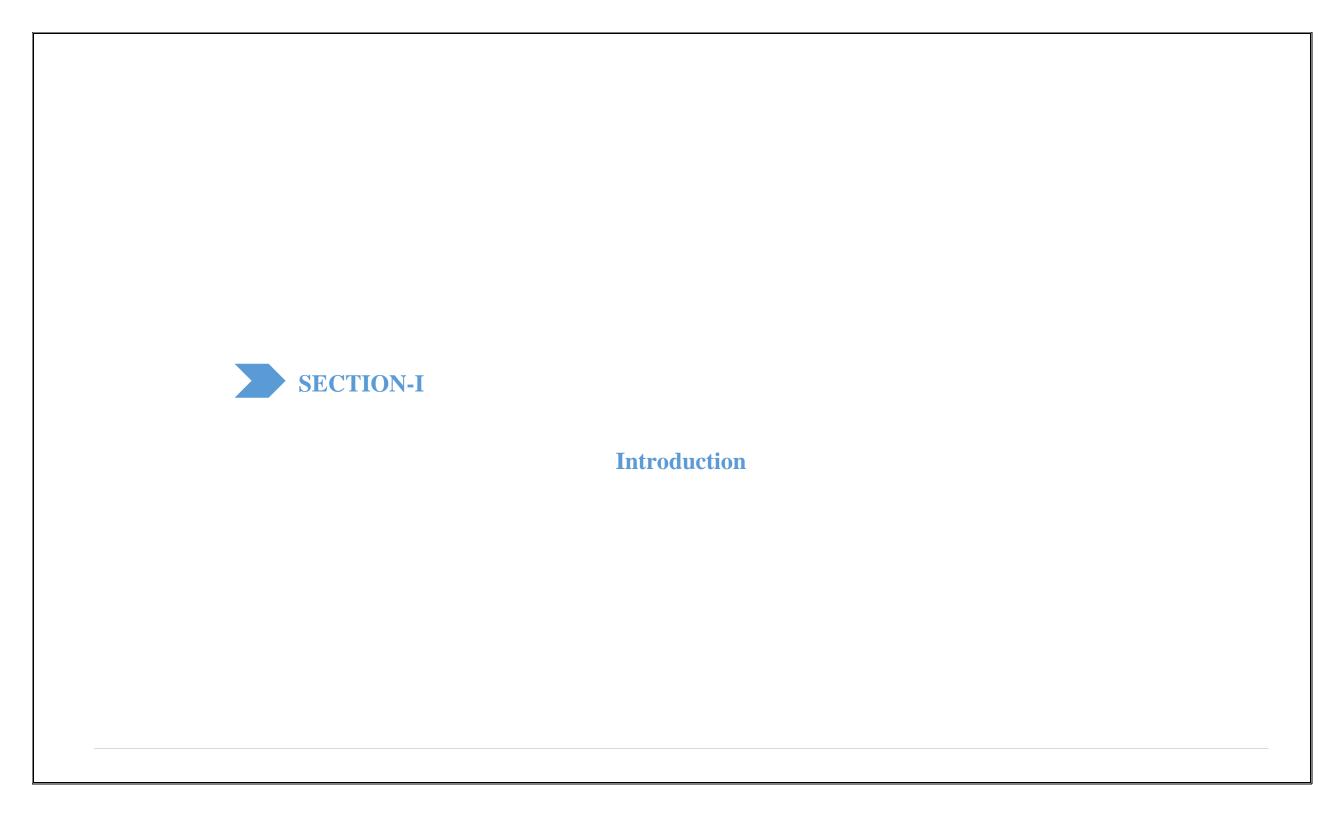
The Undergraduate Integrated Learning Program is geared to provide you with quality medical education in an environment designed to:

- 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.

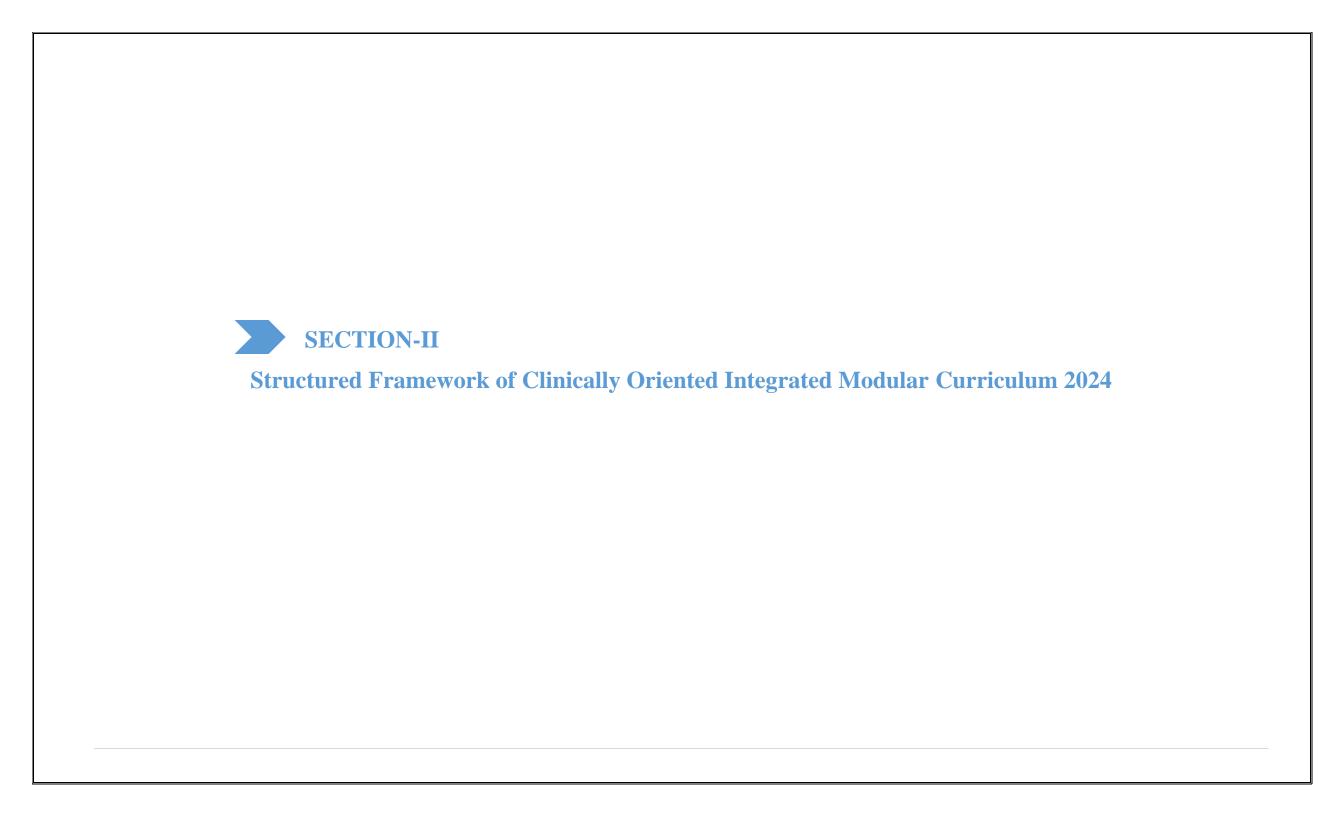
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Preamble In commitment to enhancing medical education, Rawalpindi Medical University Implements an integrated curriculum for first-year MBBS students, designed to transform and enrich their learning experience. This innovative curriculum will seamlessly 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 problemsolving, 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		
		Hematology, Immunology & Research	5 weeks	Block -III	
		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	

First Year Academic Calendar 2024

Blocks		Block-I Block II					Block III Schedule of Send Up a Professional Examinat																		
	le	Ħ			MSK-I	(04 V	Veeks)				n	ıts		Blood unity N	& Module		nt	e e	ti	ıt	ı Clust ıle				
Module	Foundation Module	Module Assessment	MSK-I	Spring Vacation	I-MSW	Student Week	MSK-I	Module Assessment	Block Assessment	MSK - II	Summer Vacation	Module Assessments	Blood & Immunity Module	Module Assessment	Block Assessment	CVS	Module Assessment	Respiratory Module	Module Assessment	Block Assessment	General Education Cluster (GEC) Module	Prep leaves for send up	dn puəS	Prep Leaves for Professional Examination	Professional Examination
Duration in Weeks / Days	06 Weeks	03 Days	First Week	08 Days	First & Second Week	06 Days	Third- & Fourth Weeks	06 Days	03 Days	04 Weeks	2024	06 Days	04 Weeks	06 Days	03 Days	05 Weeks	06 Days	04 Weeks	06 Days	03 Days	06 Day	10 Days	13 Days	15 Days	20 Days
Dates	12th -Feb - 22nd March 2024	25th March – 27th March, 2024	1st April – 24th April 2024	05 th April – 13 th April 2024	25 th April – 27 th April 2024	29th April – 04th May 2024	05th May – 15th May 2024	16th May – 22td May 2024	23 rd May – 25 th May 2024	27th May - 27th July 2024	17th June – 20th July	29th July – 03rd August 2024	05th August – 31st August 2024	02nd Sep - 07th Sep 2024	09th Sep – 11th Sep 2024	12th Sep - 10th Oct 2024	12th Oct – 18th Oct 2024	21st Oct – 16th Nov 2024	18th Oct – 23rd Nov 2024	25th Nov – 27th Nov 2024	28th Nov – 04 Dec 2024	05th Dec – 14th Dec 2024	15th Dec – 27th Dec 2024	28th Dec 2024 – 11th Jan 2025	12th Jan 2024 –31st Jan 2025

^{*}Note: All dates are subject to change.

Contact Hour Distribution for Core Subjects

First Year MBBS

	Teaching Hours 1 st Year MBBS									
Blocks	Modules	Anatomy	Physiology	Biochemistry	Total	Total Hours	Percentage			
	Foundation	86	111	56	253	469	39			
Block-I	MSK-I	89	97	30	216					
	MSK-II	132	86	44	262	332	27			
Block-II	Blood & Immunity	8	32	30	70					
	CVS	70	98	84	252	409	34			
Block-III	Respiration	76	50	31	157					
Total Hours Per Subject		461	474	275	1210		100			
Percentage		38	39	23	100					

Discipline Wise Clinical Teaching Hours for First Year MBBS

Sr. No	Discipline	Contact Hours
1.	Behavioral sciences	05
2.	Community Medicine	09
3.	Pathology	13
4.	Pharmacology	08
5.	Medicine	13
6.	ENT	01
7.	DME	10
8.	Radiology	03
9.	Artificial Intelligence	01
10.	Family Medicine	03
11.	Gynae & Obs	01
12.	Quran translation	13
13.	Surgery	03
14.	Biomedical Ethics	05
15.	IUGRC	15
	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.

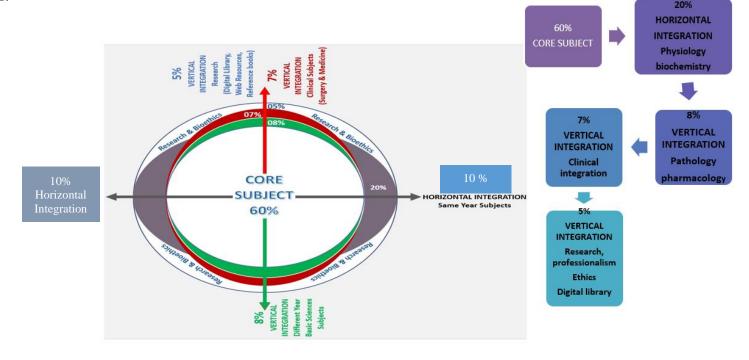


Figure 1. Prof Umar's Model of Integrated Lecture

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

Self-Directed Learning (SDL)

- Self- directed learning is a process where students take primary charge of planning, continuing, and evaluating their learning experiences.
- Time Home assignment
- Learning objectives will be defined
- Learning resources will be given to students = 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)

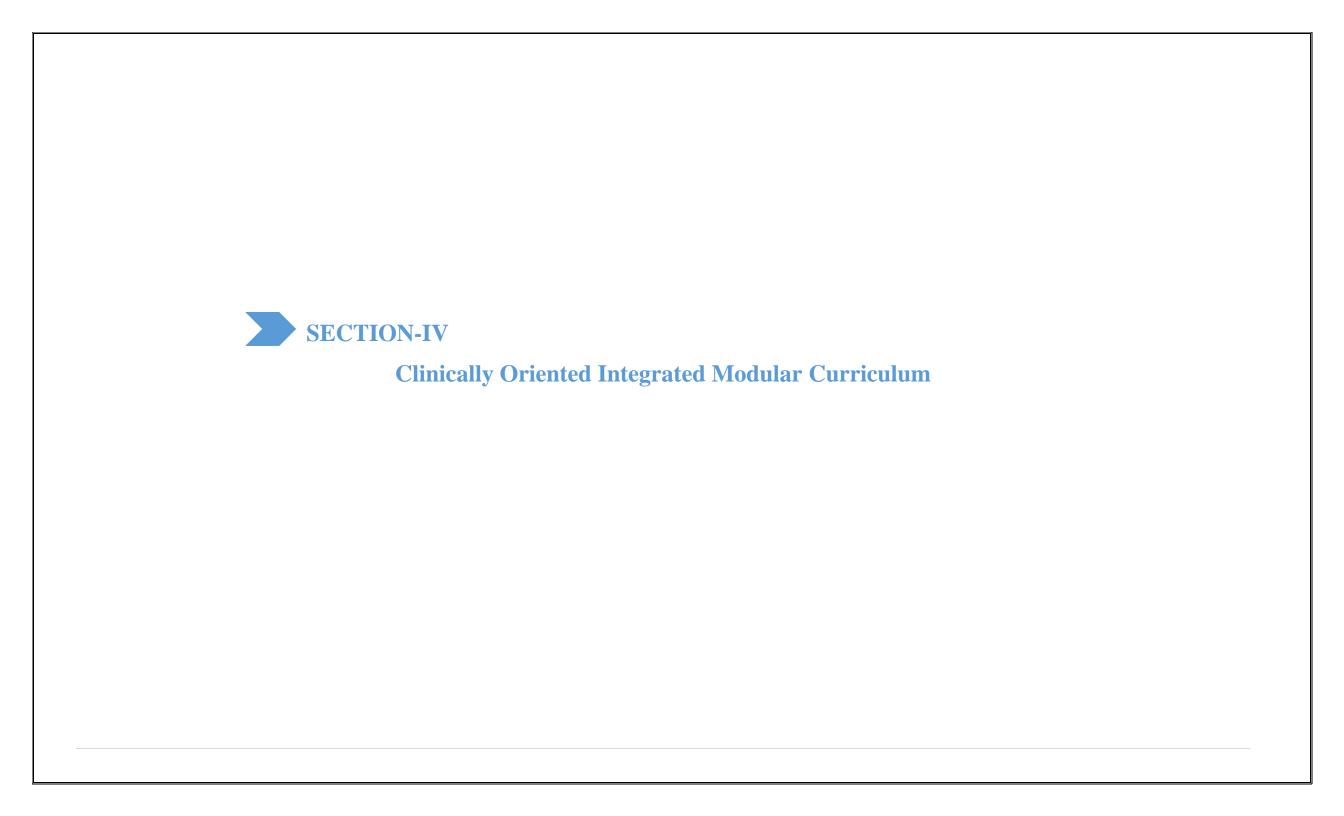
- Problem-based learning (PBL) is a student-centered approach in which students learn about a subject by working in groups to solve an open-ended problem.
- This problem is what drives the motivation and the learning.

Th	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								

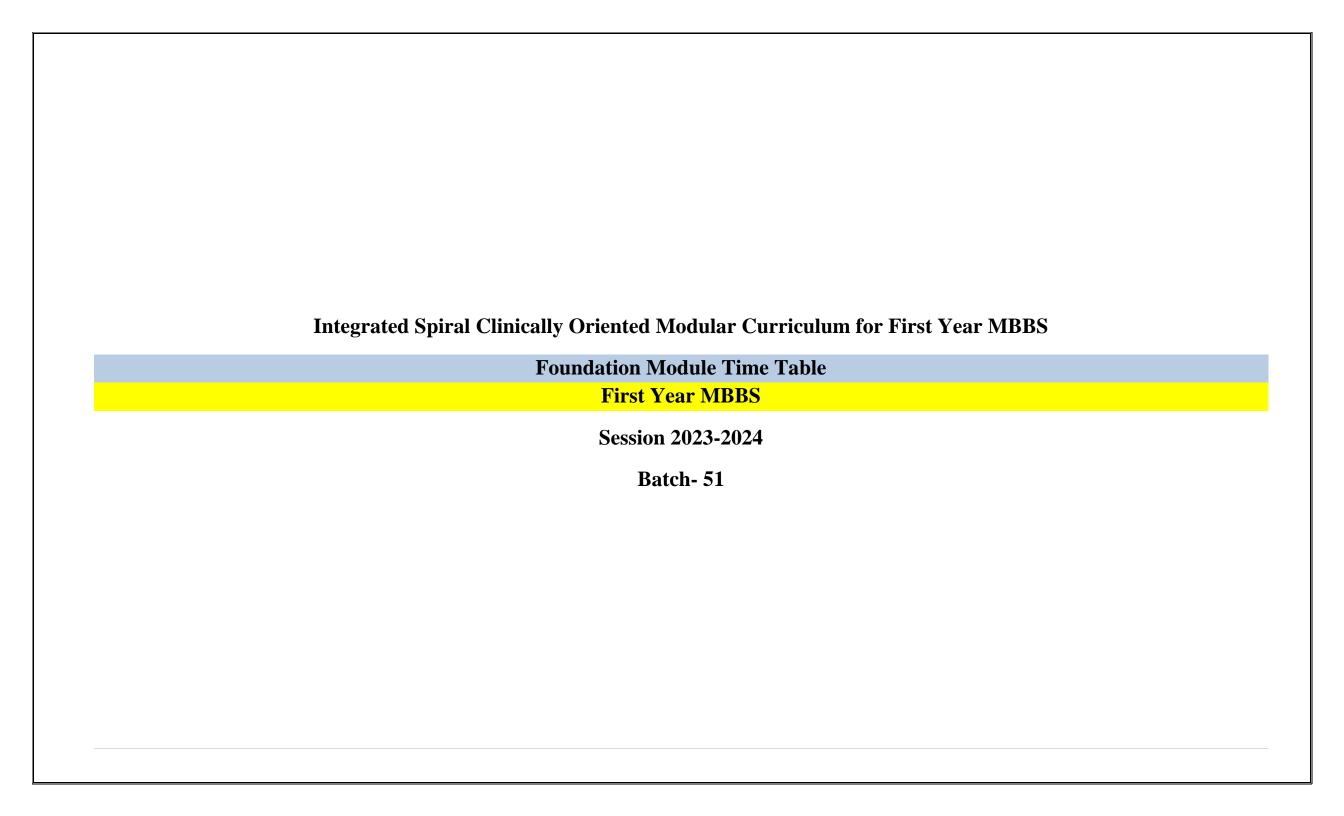
Figure 2. PBL 7 Jumps Model

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							







Foundation Module Team

Module Name : Foundation Module

Duration of module : 06 Weeks

Coordinator:Dr. Zenera SaqibCo-coordinator:Dr. Qurat Ul AinReviewed by:Module Committee

	Module Com	mittee		Module Task Force Team					
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Zenera Saqib (Demonstrator of Anatomy)				
2.	Director DME	Prof. Dr. Rai Muhammad Asghar	2.	DME Focal Person	Dr. Sidra Hamid				
3.	Convener Curriculum	Prof. Dr. Naeem Akhter	3.	Co-coordinator	Dr. Qurat Ul Ain (Senior Demonstrator of Anatomy)				
4.	Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	4.	Co-Coordinator	Dr. Uzma Kiyani (Senior Demonstrator of Physiology)				
5.	Additional Director DME	Prof. Dr. Ifra Saeed	5.	Co-coordinator	Dr. Nayab Ramzan (Senior Demonstrator of Biochemistry)				
6.	Chairperson Physiology	Prof. Dr. Samia Sarwar							
7.	Chairperson Biochemistry	Dr. Aneela Jamil		Di	ME Implementation Team				
			1.	Director DME	Prof. Dr. Rai Muhammad Asghar				
8.	Focal Person Anatomy First Year MBBS	Asso. Prof. Dr. Mohtashim Hina	2.	Implementation Incharge 1st & 2 nd Year MBBS & Add. Director DME	Prof. Dr. Ifra Saeed				
9.	Focal Person Physiology	Dr. Sidra Hamid	3.	Assitant Director DME	Dr. Sidra Hamid				
10.	Focal Person Biochemistry	Dr. Aneela Jamil	4.	Editor	Muhammad Arslan Aslam				
11.	Focal Person Pharmacology	Dr. Zunera Hakim							
12.	Focal Person Pathology	Dr. Asiya Niazi							
13.	Focal Person Behavioral Sciences	Dr. Saadia Yasir							
14.	Focal Person Community Medicine	Dr. Afifa Kulsoom							
15.	Focal Person Quran Translation Lectures	Dr. Uzma Zafar							
16.	Focal Person Family Medicine	Dr. Sadia Khan							

Discipline wise Details of Modular Content

Block	Module	General Anatomy	Embryology	Histology	Gross Anatomy				
I	• Anatomy	Introduction to General Anatomy	General Embryology Introduction to Human Development Oogenesis Spermatogenesis Female Reproductive Cycles Ovulation and Fertilization Cleavage and Blastocyst Formation Development of Mammary Gland	General Histology Types of Epithelium Specialization of Apical Cell Surface Intercellular Junctions and Adhesions Glandular Epithelium Mammary Gland	 Anatomicomedical Terminologies I (position & planes) Anatomicomedical Terminologies II (Anatomical Terms and Axis of Movements) Anatomicomedical Terminologies III (Cell and Tissues) Anatomicomedical Terminologies IV (Skin & Body Systems) Clavicle Scapula Humerus Anterior Axioappendicular Muscles Posterior Axioappendicular Muscles Axilla Brachial Plexus Brachial Plexus Injuries Breast Sternoclavicular and Acromiclavicular Joints Radiograph and Surface Anatomy of Axioappendicular Region 				
	Biochemistry		Tell Organelles, Cell Membrane and Transnistry, Genetics	port Across Cell Membrane,	Physicochemical Properties, Enzymes, Cancer, Nucleic				
	• Physiology	 Functional Organization of The Human Body and Control of the "Internal Environment The Cell and Its Functions Genetic Control of Protein Synthesis, Cell Function, And Cell Reproduction Transport of Substances Through the Cell Membrane 							
			Orientation (Sessions					

- Opening Ceremony (DME)
- Introduction to Digital Services Of RMU
- Introduction to Integrated Modular Curriculum, Study Guide sand RMU Policies
- Assessment Model of RMU & Continuous Internal Assessment
- Research Model of RMU (IUGRC), Biomedical Ethics Family Medicine, Artificial Intelligence
- Introduction to Different Teaching Strategies, Role of Team Leader Facilitator and Students SGD/LGIS/TBL/PAL/INTERNET & Literature Group activity (DME)
- Orientation to Integrated Modular System for Pre-clinical Years (DME)
- Lecture on Feedback (DME)
- Mission and Vision (DME)
- Introduction to Pharmacology
- Introduction to Pathology
- Introduction to Community Medicine (Community Medicine)

Clinically content relevant to Foundation module

• Introduction to Medicine (Medicine)

	Spiral Courses
The Holy Quran	The Holy Quran Translation Component
Translation	Islam And Medical Science
	Introduction to Quran Translation
• Bioethics &	 Introduction to history of medical ethics
Professionalism	Leadership Professionalism (DME)
Artificial Intelligence	Introduction to Artificial Intelligence
Family Medicine	Introduction to Family Medicine & its application in health care system
	Research I Introduction of health research process
 Integrated Under 	Research II characteristic of reserch process
Graduate Research	Research III Basis of ethics in health research
Innovation	Research IV Basics of ethics in medical reserch
(IUGRC)	
 Behavioral Sciences 	Introduction to Behavioral Sciences
	Management of stress
 Digital Literacy 	 How to use Higher Education Commission (HEC) digital libaray.
Module	
	Vertical Integration

	Douts of dwg administration (Pharmacology)
	Routs of drug administration (Pharmacology) A hoperation of drugs (Pharmacology)
	Absorption of drugs (Pharmacology) Fortune of first in a drug of house of least in (Pharmacology)
	• Factors affecting drug absorption (Pharmacology)
	Distribution of drugs (Pharmacology) Output Description: Description: Output Description: Description: Output Descripti
	Cellular response to injury (Pathology)
	• Intracellular accumulations (Pathology)
	• Pigments (Pathology)
	• Free radical and reactive oxygen species (Pathology)
	Irreversible cell injury/apoptosis (Pathology)
	• Genetic disorders (Pathology)
	History of medicine (Medicine)
	Medicine and allied subjects (Medicine)
	Chromosomal abressions (Medicine)
	History taking and general physical examination (Medicine)
	Early Clinical Exposure (ECE)
	Clinical Rotations Rotation of students to
	Medicine & Allied
	Surgery and Trauma
	Emergency Department
	Hands on Workshop on Basic Life Support (BLS)
	Hands on Workshops on BLS
·	

Categorization of Modular Content of Anatomy:

Category A*	Category	B**		Category C ***		
General Embryology	General Histology	General Anatomy	Demonstrations / SGD	CBL	Practical's	Self-Directed Learning (SDL)
Introduction to human development	Types of epithelium	Introduction to	Anatomicomedical	Clavicle	Introduction to	Clavicle
Oogenesis	Specialization of	General	terminologies I (planes &	Brachial plexus	microscope, Slide	Scapula
Spermatogenesis	apical cell surface	Anatomy	positon)	injuries	preparation,	Anterioraxioappendicular
Female reproductive cycles	Intercellular junction		Anatomicomedical		artifact	muscles
Ovulation and fertilization	and adhesions		terminologies II (Anatomical		Simple	Posterior
Cleavage and blastocyst formation	Glandular epithelium		terms and axis of movements)		epithelium,	Axioappendicular
Development of mammary gland	Mammary gland		Anatomicomedical		Stratified	muscles
			terminologies III (Cell and		epithelium	Axilla
			tissues)		Mammary gland	Brachial plexus
			Anatomicomedical			Injuries of brachial plexus
			terminologies IV (Skin &			Breast
			Body system)			
			Clavicle			
			Scapula			
			Humerus			
			Anterior Axioappendicular			
			muscles			
			Posterior Axioappendicular			
			muscles			
			Axilla			
			Brachial plexus			
			& injuries			
			Breast			
			Sternoclavicular and			
			acromioclavicular joints			
			Radiograph and surface			
			anatomy of axioappendicular			
			region			

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
2.	Associate professor of Anatomy department	01
3.	Assistant professor of Anatomy department (AP)	01
4.	Demonstrators of Anatomy department	05

Contact Hours (Faculty)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	12 * 2= 24 hours
2.	Small Group Discussions (SGD)	2*14+ 1*2=30 hours
3.	Case Based Learning (CBL)	2* 2 = 4 hours
4.	Practical / Skill Lab	1.6 * 20 = 32 hours

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	12 hours
2.	Small Group Discussions (SGD)	30hours
	Case Based Learning (CBL)	4 hours
4.	Practical / Skill Lab	6.4 hours
5.	Self-Directed Learning (SDL)	8 hours

Categorization of Modular Content of Physiology:

Category A*	Category B**	Category C***				
LGIS	LGIS	PBL	CBL	Practical's	SGD	SDL
Introduction To Physiology Department (By Prof Dr. Samia Sarwar)	Concept of body fluids & internal environment (By Dr. Sidra Hamid)		Body Fluid Compartment, Cell Membrane and Cytoskeleton, Down's Syndrome	Introduction to Microscope Introduction to Wintrobe and Westergen tube Apparatus identification (Introduction to Neubauer's chamber, Red Blood Cell (RBC) pipettes& White Blood Cell (WBC) pipette 4. Apparatus identification (Introduction to centrifuge machine)	Functional Organization of Human Body and Cell Physiology Cellular Control Mechanism, Cell Cycle and programmed cell death / apoptosis	Concept of body fluids & internal environment Genetics, Transcription and Translation Receptor and signal transduction Structure of Nucleus, Ribosomes and Cell Division Cellular Control Mechanism, Cell Cycle and programmed cell death / apoptosis
Homeostasis Control System- I (Negative Feedback System, Concept Of Error And Gain) (By Prof Dr. Samia Sarwar)	Intracellular communication and cell junction (By Dr. Sidra Hamid)					
Homeostasis Control System- II (positive feedback, and concept of feed forward, adaptive control and vicious cycle) (By Prof Dr. Samia Sarwar)	Receptor and signal transduction (By Dr. Sidra Hamid)					
Structure of Nucleus, Ribosomes and Cell Division (By Prof Dr. Samia Sarwar)	Active Transport- Ii (Secondary Active Transport) (Dr. Sheena Tariq)					
Cell membrane & classification of cell organelles (by Dr. Faizania)						
Cell organelles & related cell function – I (by Dr. Faizania)						

Cell organelles & related cell function – II (by Dr. Faizania)			
Genetics, Transcription and			
Translation (by Dr. Faizania)			
Active Transport- I (Primary			
Active Transport) (by Dr.			
Faizania)			

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	07
5.	Residents of physiology department (PGTs)	06

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	1hr 40 mint* 20= 33 hrs.& 20 mint + 1hr=34hrs & 20 minutes
3.	Problem Based Learning (PBL)	
4.	Practical / Skill Lab	1hour 40 minutes* 20= 33 hours and 20 minutes
5.	Self-Directed Learning (SDL)	1hour * 8=8 hours

Categorization of Modular Content of Department of Biochemistry:

Category A*	Category B**	Category C***			
LGIS	LGIS	PBL	CBL	Practical's	SGD
Cell membrane	Cell & cell organelles		Enzymes PCR (Polymerase	Introduction to glassware (pipetting)	Cell & Cell Membrane
Transport across cell	Physicochemical aspects		Chain Reaction)	Introduction to Lab Equipment	Physicochemical Aspects of cell
membrane	Water & PH			Surface Tension	
				Emulsion	
Nucleic acid Chemistry	Cancer			Adsorption	
Replication	Enzymes			Tonicity	
Transcription					
Translation					
Mutation					
Recombinant DNA/ PCR					

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)	2 * 11 = 22 +1 =23 hours	12
2.	Small Group Discussions (SGD)	6 * 5 = 30 hours	$1.5 \times 4 = 6$
3.	Problem Based Learning (PBL)	2 * 1 = 2 hours	02
4.	Practical / Skill Lab	6 * 5 = 30	15x 4 = 6
5.	Self-Directed Learning (SDL)	1 * 8 = 8 hours	08

Time Table for Foundation Module (First Week) (12-02-2024 to 17-02-2024)

Date/Dav	8:30 AM – 1	1:00 AM	11:00 A)	M – 11:40AM	1	1:40 AM – 12:20 PM	12:20-1:	00PM		1:00-PM - 0	2:00 PM
12-02-2024	Welcome addr Introduction to RMU, Allied	ress by VC				MU Curricular Reforms				Introduction To Dig RMU	ital Services Of
Monday	Medical Education Departme System, Introduction to basic Service	& clinical sciences & IT		rated Modular Curriculum, sand RMU Policies		Assessment Model of RMU & Continuous Internal Assessment		Research Model of RMU (IUGRC), Biomedical Ethics Family Medicine, Artificial Intelligence			MS, CMS, MS component of um)
HR	Vice Chancellor RMU: Prof Principle RMC: Prof E Prof. Dr. Rai Muhammad A Education * Di	Dr. Jahangir Sarwar .sghar: Director Medical	Dr. Sidra Hamid		Dr. Arsalan Mughal		Dr. Sadia Khan & Dr Khaula Noreen			Director Hafi Shahid	
Venue				LATIF AUDITORIUM						LATIF AUDI	
	8:00 AM - 9	9:00 AM	9:00 AN	I – 10:00 AM	10:00 AM - 11:00 A		12:20 PM	I – 1:00 PM		1:00-2:00) PM
13-02-2024 Tuesday	Introduction to Anatomy Department		Introduction to Physiology Department		Introduction to Biochemistry Biochemistry Introduction to			Y & PATHOLOGY	20PM	Anatomy Bio data fo	
					Department	Behavioral Sciences	Introduction to Pharmacology and Patholgy		201	Co Dischenishing o	10 0000
HR	Prof. Dr. Ayesha Yousaf (HOD& DEAN) **		Prof. Dr. S	Prof. Dr. Samia Sarwar **		Prof. Asad Tameeaz ud Din	Dr. Mudasira (Odd)	Dr. Zaheer (Even)	0 –12:	Dr. Fareed, D Dr. Ali I	
Venue				Lecture Theatre Com	plex Hall No 2	•		, ,	2:00	Lecture Theatre Cor	nplex Hall No 2
		8:00 AM- 10:00AM	10:00-11:00		11:00 AN	M – 12:00 AM	12:20 AM – 1:00 PM			1:00-2:00) PM
14-02-2024	Anatomicomedical terminologies I (positions and planes)		ION / SGD BEHAVIORAL SCIENCES(LGIS)		PHYSIOLOGY (LGIS)		COMMUNITY MEDICINE		BREA	BIOCHEMIST	(- :-)
Wednesday			Management of stress		Cell Physiology & homeostasis	Concept of body fluids & Internal environment	Introduction to Health Research process and researcher (Research-I)			Cell Organelles (1)	Cell membrane
HR	4 Demonstrators 4 Ba	atches of Students	Dr. Sadia (Eve	n) Dr. Zona (Odd)	Dr. Faizania Shabir (Even)	Dr. Sidra Hamid (Odd)	Dr. Rizwana (Even)	Dr. Khaula Noreen Odd)		Dr. Rahat (Even)	Dr. Kashif Rauf (Odd)
	8:00 AM – 1	0:00 AM	10:00 – 11:00AM		11:00	- 12:00PM	12:00 – 01:00PM			1:00-2:00) PM
	DISSECTION	ON/SGD	DME		PHYSIOLOGY (LGIS)		ANATOMY (LGIS)			COMMUNITY	MEDICINE
15-02-2024 Thursday	Anatomicomedical terminolo	C .	Role of Team Leade	erent Teaching Strategies, er Facilitator and Students	Concept of body fluids	Cell Physiology &	Embryology Introduction to Human	General Anatomy Introduction to General		Characteristics of health research	
	and axis of me		Grou	L/INTERNET & Literature up activity	& Internal homeostasis environment		Development Anatomy			(Researc	,
HR	4 Demons 4 Batches of 8:00 AM = 9	Students	Dr. Sidra Hamid (Even)	Dr. Rizwana Shahid (Odd) 1 – 10:00 AM	Dr. Sidra Hamid Dr. Faizania Shabir (Even) (Odd) 10:00 AM – 11:00 AM		Prof. Ayesha Yousaf (Even) (Odd) 11:00 AM – 12:00 PM			Dr. Rizwana (Even)	Dr. Imran Younas (Odd)
	ISLAM & MEDICAL SCIENCE	QURAN TRANSLATION		OMY LGIS		DETHICS		ACOLOGY			
16-02-2024			General Anatomy	Embryology							
Friday	Islam And Medical Science	Introduction to Quran Translation	Introduction to General Anatomy	Introduction to Human development		tion to History dical Ethics	Routes of drug	g administration			
HR	Moulana Abdul Wahid (Even)	Mufti Naeem Sherazi (Odd)	Ass. Prof. Dr Arsalan (Even)	Prof. Dr. Ayesha Yousaf (Odd)	Dr. Arsalan (Even)	Dr Sidra Hamid (Odd)	Dr Omaima (Even)	Dr Zoefishan (Odd)			
	8:00 AM - 9:00 AM	9:00 AM – 10:00 AM		M – 11:00 AM		M – 12:00 AM		I – 1:00 PM		1:00 - 2:0	
17-02-2024 Saturday	Anatomicomedical terminolo		DME & BIOETHICS Professionalism Leadership		DME & BIOETHICS Leadership Professionalism		Cell membrane Cell Organelles-I			Basics of Ethics in I	Health Research
HR	4 Demonstrators 4 Batches of Students		Dr Sidra Hamid (Even)	Dr. Arslaan (Odd)	Dr. Arslaan (Even)	Dr Sidra Hamid (Odd)	Dr. Kashif Rauf (Even)	Dr. Rahat (Odd)		(Research Dr. Rizwana	n-III) Dr. Moneeba Igbal (Odd)

					Details of Ven	ue & Batcl	nes						
Schedule fo	or Practical / Sma	ll Group Discussion	n (Histology l	Practical Super	rvised by Prof.	Ven	ue for First	Year Ba	atches for	· Anatomy I	Dissection	n / Small Group Discussion	
		ousaf & Associate		•	(Supervised by Prof. Dr. Ayesha Yousaf & Associate Prof. Dr. Mohtashim Hina)								
Day	Histology Practical	Biochemistry Practical	Physiology Practical	Physiology SGD	Biochemistry SGD	Batches	Roll N	lo	Anatomy Teacher			Venue	
Monday	С	В	Е	A	D	A	01-90)	Dr. Zen	eara Saqib	New Le	ecture Hall Complex 02	
Fuesday	D	C	A	В	Е	В	91-18	0	Dr Qura	aulAin	New Le	ecture Hall Complex 03	
Vednesday	Е	D	В	С	A	С	181- 2	70	Dr Sajja	ad	Anatom	ny Lecture Hall 03	
`hursday	В	A	D	E	С	D	271 and on	wards	Dr Ali l	Raza	Anatom	ny Lecture Hall 04	
Saturday	A	Е	С	D	В								
	Venue for Fi	rst Year Batches fo	r PBL & SGI	D Team-I		Sr. No	Batch	Ro	oll no			mes of Teachers	
Batches	Roll No		Venue	9						Bioche	mistry	Physiology	
Batch-A1	(01-35)	Lecture Hall no.0 (Physiology)		or. Farhat Jabe hysiology)	en (PGT	1.	Batch – A	01-70		Dr. Almas Ijaz		Dr. Sheena Tariq	
Batch-A2	(36-70)	Lecture Hall no.0 Floor Anatomy)	,	Or. Ali Zain PGT Physiolog	<u>z</u> v)	2.	Batch –B	71-14	0	Dr. Rahat Afzal		Dr. Uzma Kiani / Dr. Farhat	
Batch-B1	(71-105)	Lecture Hall no.02 (Basement)	2 D	Or. Afsheen Ba	~ • ·	3.	Batch -C	141-2	10	Dr. Nayab		Dr. Fahd Anwar	
Batch-B2	(106-140)	Conference room (Basement)	Г	Or. Najam-us-S Thysiology)	ehar (PGT	4.	Batch –D	211-2	80	Dr. Uzma	Zafar	Dr. Maryam Abbas / Dr. Afsheen	
Batch-C1	(141-175)	Lecture Hall No. (Basement)	04 Γ	Or. Maryam Ab Thysiology)	bbas (PGT	5.	Batch -E	281-o	nwards	Dr. Rome	ssa	Dr. Fareed / Ali Zain	
Batch-C2	(176-210)	Lecture Hall NO. (Basement)	05 E	Or. Nayab Zoni Thysiology)	ish (PGT					1			
Batch-D1	(210-245)	Lecture Hall NO. Floor)	03 (First D	Or. Iqra Ayub (Thysiology)	PGT		Venue	s for La	rge Grou	p Interactiv	e Session	(LGIS) and SDL	
Batch-D2	(246-280)	Anatomy Museum Floor Anatomy)	n (First D	Or. Muhammad PGT Physiolog	Odd Rol	Numbers			New Lect	New Lecture Hall Complex Lecture Theater # 03			
Batch-E1	(281-315)	Lecture Hall no.0	l D	Or. Fareed Ulla Demonstrator	ah Khan	Even Ro	ll Number			New Lect	ure Hall (Complex Lecture Theater # 02	
Batch-E2	(315 onwards)	Lecture Hall no.02	2 D	r. Kashif Rau						•			

Time Table for Foundation Module (Second Week) (19-02-2024 to 24-02-2024)

DATE/ DAY	8:00 AM – 9	9:00 AM	9:00 AM –	09:50 AM	9:50AM - 10:10AM	10:10 AM -	11:00 AM -	- 11:50 AM	11:50 AM - 12:20 PM	12:20 PM TO 02:00PM	Home Assignment															
19-02-2024 Monday	Anatomicome	edical Termino	minologies IV (Skin and body systems)			PHYSIOLO Cell membrane & classification of cell organelles Dr. Faizania Shabir (Even)	Intracellular	PHYSIOLO Intracellular communication and cell junction Dr. Sidra Hamid (Even)	Cell membrane & classification of cell organelles Dr. Faizania Shabir (Odd)		Practical & SGD Topics& Venue mentioned at the end (Refer to table no. 1)	SDLPhysiology Homeostasis														
	SGE	SGD CBL		BL		PHYSIOL	(= :: :: /	PHYSIOLO		~		SDLphysiology														
20-02-2024 Tuesday	Clavicle Fracture of Clavicle (Refer to table no. 3)				Concept of Body Fluid a	nd Internal Environment	Cell organelles& cell function - I	Receptor and signal transduction	ಡ	Practical & SGD Topics& Venue mentioned at the end	Homeostatic control mechanism															
			(Refer to ta	able 110. 3)		Refer to T	able No.3	Dr. Faizania Shabir (Even)	Dr. Sidra Hamid (Odd)	ه	(Refer to table no. 1)	mechanism														
	Dissect	ion	on SUPERVISED SDL		~	PATHOLO	GY (LGIS)	PHARMACO	LOGY LGIS		Practical & SGD	SDL														
21-02-2024 Wednesday	g	.1_	Scapula Anastomosis & its Clinical Significance		Scapula Anastomosis &		Scapula Anastomosis &		Scapula Anastomosis &		Scapula Anastomosis &		Scapula Anastomosis &		Scapula Anastomosis &		Scapula Anastomosis &				onse to Injury	Absorption	n of drugs	1	Topics& Venue mentioned at the end	Biochemistry
wednesday	Scapu	па			ಡ	Dr. Rabia (Even)	Dr Fatima (Odd)	Dr. Arsheen (Even)	Dr. Omaima (Odd)		(Refer to table no. 1)	Cell organelles														
	PATHOLOGY (LGIS) BIOCHEMISTRY LGIS		STRY LGIS		PHYSIOLO	GY (LGIS)	PHARMACOL	LOGY (LGIS)	$\mathbf{\alpha}$		SDL															
22-02-2024 Thursday	Intra Cellular ac	ecumulation	Cell Organelle- II	Transport across cell membrane	e	Receptor and signal transduction	Cell organelles & related cell function - I	Factors affecting A	bsorption of drugs		Practical & SGD Topics& Venue mentioned at the end	Biochemistry Cell Membrane Transport Across														
	Dr. Rabia (Even)	Dr Fatima (Odd)	Dr. Rahat (Even)	Dr. Kahsif Rauf (Odd)	=	Dr. Sidra Hamid (Even)	Dr. Faizania Shabir (Odd)	Dr. Mehmoona (Even)	Dr Omaima (Odd)		(Refer to table no. 1)	Cell Membrane														
	BIOCHEMIS	TRY LGIS	ISLAM MEDICAL		B		ENTREPRENEURSHII	P (LGIS)																		
23-02-2024 Friday	Transport across cell membrane	Cell organelle- II	Introductio n to Quran translation	Islam And Medical Science			Ideate Initial Idea	ı			SDL Anatomy clavicle															
	Dr. Kashif Rauf (Even)	Dr. Rahat (Odd)	Mufti Naeem Sherazi (Even)	Moulana Abdul Wahid (Odd)			Dr. Asif																			
	DISSECTION/ SGD				BIOCHEMIS	TRY (LGIS)		Practical & SGD																		
24-02-2024 Saturday					Water & PH	Physico chemical aspects-	Distribution of drugs		reak	Topics & Venue mentioned at the end	SDL Anatomy Scapula															
						Dr. Uzma Zafar (Even) Dr. Nayab (Odd) Dr. Omaima (Even) Dr Uzma				В	(Refered to table no. 1)															

					Table No. 1	(Time: 12	2:20pm – 02:	00pm)							
Batch D	istributio	on for Practical		Topics for Skill Lab with Venue				Sched	ule for Practical /	Small Gr	oup Discussi	on			
	ll subject		•	Introduction to Microscope and	Day	Histolog	gy Practical	Biochemistry		Physiology			siology		hemistry
		oup Disscusion		Preparation of Slide. Artifacts			_	1	Practical		actical		SGD		SGD
(Bioche	mistry an	nd Physiology)		(Anatomy/Histology-practical) venue- Histology Laboratory (Dr. Kashif)		Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name
Sr. No	Batch	Roll No.	•	Introduction to glass wares (Pipetting) (Biochemistry practical) venue-	Monday	С	f (Supervised by Prof. a Yousaf & Associate r. Mohtashim Hina)	В	Dr. Rahat	Е	Dr. Ali	A	Dr. Sheena	D	Dr. Uzma
1.	Α	01-70		Biochemistry lab)	Tuesday	D	by Assc	С	Dr. Nayab	A	Dr.	В	Dr.	Е	Dr.
			•	Introduction to Microscope. (Physiology-			ised & /				Sheena		Uzma		Almas
2.	В	71-140		Practical (Physiology Laboratory)	Wednesday	Е	uperv ousaf ſohtas	D	Dr. Uzma	В	Dr. Uzma	С	Dr. Fahd	A	Dr. Romessa
3.	С	141-210			Thursday	В	r. Kashif (S r. Ayesha Y Prof. Dr. N	A	Dr. Almas	D	Dr.	Е	Dr. Ali	С	Dr.
	-	211 200			G . 1		Kas. Aye		D D		Maryam		P	-	Nayab
4.	D	211-280			Saturday	A	Dr.	Е	Dr. Romessa	С	Dr. Fahd	D	Dr. Maryam	В	Dr. Rahat
5.	Е	281-onwards		Topics for Small Group Discussion with	Т	able No. 2	Batch Distr	ibution ar	d Venues for Ana	tomy Sm	all Group Di	sscussion	n SGDs / Dis	ssections	
				Venue		(Sup	pervised by	Prof. Dr.	Ayesha Yousaf	& Assoc	ciate Prof. I	Or. Moht	ashim Hina	1)	
			•	Physiology small group discussion-	Batches		oll No		omy Teacher				⁷ enue		
				Functional organization of human body	A	01-90		1	eara Saqib		ecture Hall C	_			
				and cell physiology venue-Lecture Hall 5	В	91-180		Dr Qura			ecture Hall C		03		
	Biochemistry small group discussion –				С	181- 270		Dr Sajja		1	ny Lecture H				
	Cell & Cell membrane- Lecture Hall 3 D 271 and onwards Dr Ali Raza Anatomy Lecture Hall 04														
	Table No. 3 Batch Distribution with Venues and Teachers Name for Small Group Disscussion (SGD) Physiology														
	Topic: Concept of Body Fluid and Internal Environment														
		024 Time: 10:1	0aı					1							
C- NI	. D - 4 -	Las Dall Ma		Vanua Taaaham	C. NI	n Datala	no Do11	NT -	17				Tanalana		

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	6.	C2	(176-210)	Lecture Hall NO. 05	Dr. Nayab Zonish (PGT Physiology)
			(Physiology)	(PGT Physiology)				(Basement)	
2.	A2	(36-70)	Lecture Hall no.04 (1st Floor	Dr. Ali Zain	7.	D1	(210-245)	Lecture Hall NO. 03	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(PGT Physiology)				(First Floor)	
3.	B1	(71-105)	Lecture Hall no.02	Dr. Afsheen Batool	8.	D2	(246-280)	Anatomy Museum (First	Dr. Muhammad Usman
			(Basement)	(PGT Physiology)				Floor Anatomy)	(PGT Physiology)
4.	B2	(106-	Conference room	Dr. Najam-us-Sehar	9.	E1	(281-315)	Lecture Hall no.01	Dr. Fareed Ullah Khan (Demonstrator Physiology)
		140)	(Basement)	(PGT Physiology)					
5.	C1	(141-	Lecture Hall No. 04	Dr. Maryam Abbas	10.	E2	(315 onwards)	Lecture Hall no.02	Dr. Kashif Rauf
		175)	(Basement)	(PGT Physiology)					(Demonstrator Biochemistry)

Table No	. 4 Batch Distribution	n and Venues for Anaton	ny Case Base Learning (CBL)	Table No. 5 Batch Distribution and Venues for Anatomy Supervised SDL					
Topic: Frac	ture of Clavicle			Topic: Scapula Anastomosis & its Clinical Significance					
Date: 20-02-	2024 Time: 09:00am	n – 09:50am		Date: 21-02-2024 Time: 09:00am – 09:50am					
Batches	Roll No	Anatomy Teacher Venue I			Roll No	Anatomy Teacher	Venue		
A	01-90	Dr. Zeneara Saqib	New Lecture Hall Complex 02	A	01-90	Dr. Zeneara Saqib	New Lecture Hall Complex 02		
В	91-180	Dr Quraul Ain	New Lecture Hall Complex 03	В	91-180	Dr Quraul Ain	New Lecture Hall Complex 03		
C	181- 270	Dr Sajjad	Anatomy Lecture Hall 03	C	181- 270	Dr Sajjad	Anatomy Lecture Hall 03		
D	271 and onwards	Dr Ali Raza	Anatomy Lecture Hall 04	D	271 and onwards	Dr Ali Raza	Anatomy Lecture Hall 04		

	Table No. 6 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. Mohtashim Hina	6.	C2	(176-210)	Lecture Hall NO. 05	Dr. Nayab Zonish (PGT Physiology)
			(Physiology)	(Assoc. Prof. Anatomy)				(Basement)	
2.	A2	(36-70)	Lecture Hall no.04 (1st Floor Anatomy)	Dr. Aneela Jamil (Assistant Professor of Biochemisty)	7.	D1	(210-245)	Lecture Hall NO. 03 (First Floor)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Lecture Hall no.02	Dr. Afsheen Batool	8.	D2	(246-280)	Anatomy Museum (First	Dr. Muhammad Usman
			(Basement)	(PGT Physiology)				Floor Anatomy)	(PGT Physiology)
4.	B2	(106-	Conference room	Dr. Najam-us-Sehar	9.	E1	(281-315)	Lecture Hall no.01	Dr. Fareed Ullah Khan (Demonstrator Physiology)
		140)	(Basement)	(PGT Physiology)					
5.	C1	(141-	Lecture Hall N0. 04	Dr. Sidra Hamid	10	E2	(315 onwards)	Lecture Hall no.02	Dr. Kashif Rauf
		175)	(Basement)	(Assisttant Professor of Physiolgy)					(Demonstrator Biochemistry)

Table No. 7 Venues for Large Group Interactive Session (LGIS)							
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 03						
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02						

Time Table for Foundation Module (Third Week) (26-02-2024 to 02-03-2024)

AM – 9:00 AM	9:00 AM	I – 09:50 AM	9:50 AM – 10:10 AM	10:10 AM	- 11:00 AM	11:00 AM -	- 11:50 AM	11:50 AM - 12:20 PM	12:20 PM TO 02:00PM	Home Assignment
ECTION / SGD	SUPER	VISED SDL		MED	ICINE	BIOCHEMI	STRY LGIS			8
Axioappendicular		xioappendicular			dicine nd History of	Physico chemical aspects-I	Water & PH		Practical &CBL Topics & Venue	SDL Physiology Intracellular
Muscles		Iuscles		Dr. SalehaImran (Odd)	Dr. Ayesha Habib (Even)	Dr. Nayab (Even)	Dr. Uzma Zafar (Odd)		mentioned at the end (Refered to table no. 1)	communication
ECTION / SGD	SUPER	VISED SDL	1	ANATON	MY (LGIS)	PHYSIOLO	GY (LGIS)			
				Histology	Embryology	Cell organelles & cell	Homeostasis Control System- I (Negative		Practical &CBL Topics & Venue	SDL Physiology
Axioappendicular muscles		xioappendicular iuscles		Types of epithelium	Gametogenesis Spermatogenesis	function - II	Feedback System, Concept		mentioned at the end (Refered to table no. 1)	Receptors &signal transduction
				Asisstant. Prof Dr Arslan	Prof. Dr. Saima (Odd)	Dr. Faizania Shabir (Even)	Prof. Dr. Samia Sarwar /Dr. Uzma (Odd)		(
EMISTRY (LGIS)	S) PATHO	LOGY LGIS			MY LGIS	PHYSIOLO	OGY (LGIS)			
Water & P II	PH Pi	gments		Embryology Gametogenesis Spermatogenesis	Histology Types of Epithelium	Homeostasis Control System- I (Negative Feedback System, Concept of Error and Gain)	Cell organelles& cell function - II	M	Practical &CBL Topics & Venue mentioned at the end	SDL Biochemistry Physicochemical aspects (Osmosis,
Dr. Uzma Zafar(Odd		Dr Fatima (Odd)	*	Prof. Dr. Saima (Even)	Asisstant. Prof Dr Arslan Mughal (Odd)	Prof. Dr. Samia Sarwar /Dr. Uzma (Even)	Dr. Faizania Shabir (Odd)	×	(Refered to table no. 1)	Osmotic Pressure)
PEADS	PHYSIO	LOGY (SGD)	ಡ	BIOCHI	EMISTRY	PHYSIOLO	OGY (LGIS)	ಡ		
Medical genetic & dysmorphology		Receptor and signal transduction		Water & PH II	Physico chemical aspects-II	Genetics, transcription & translation	Homeostasis Control System-II (positive feedback, and concept of feed forward, adaptive control and vicious cycle)	.	Practical &CBL Topics & Venue mentioned at the end (Refered to table no. 1)	SDL Biochemistry Physicochemical aspects (Surface Tension, Viscosity)
Dr Saira Liaq (Odd)	qat Physiol	Physiology Team I		Dr. Uzma Zafar (Even)	Dr. Nayab (Odd)	Dr. Faizania Shabir (Even)	Prof. Dr. Samia Sarwar /Dr. Uzma (Odd)	=	(recreed to more no. 1)	v iscosity)
NITY MEDICINE	E BIOCI	HEMISTRY	M		MY LGIS	PHYSIOLO		\mathbf{m}	12:00pm – 12:30pm	
Ethics in Health Research -IV)	Physico chemical aspects-III	Cancer		Embryology Gametogenesis -Oogenesis)	Histology Apical Cell Surface	Homeostasis Control System-II (positive feedback, and concept of feed forward, adaptive control and vicious cycle)	Genetics, transcription & translation		SDL Anatomy Anterior	
ba Dr Rizwan en) (Odd)	(Even)	(Odd)		Prof. Dr. Ayesha (Odd)	Associate. Prof Dr. Mohtashim (Even)	Prof. Dr. Samia Sarwar /Dr. Uzma (Even)	Dr. Faizania Shabir (Odd)		axioappendicular muscles	
Dissection	BIOCHEM	IISTRY (LGIS)		ANATON	MY (LGIS)	PHYSIOLO	OGY (LGIS)			
ction / Spotting	Cancer	Physico chemical aspects-III		Histology Specialization of Apical cell surface	Embryology Gametogenesis Oogenesis	Cell membrane ion channels, transport across cell membrane	Structure of nucleus, ribosomes and cell division		Practical &CBL Topics & Venue	SDL Anatomy Postior
1 0	Dr. Almas (Even)	(Odd)		Ass. Prof. Dr Mohtashim (Even)	Prof. Dr. Ayesha (Odd) Dr. Faizania Shabir (Even)	1)r 1/zma (()dd)			(Refered to table no. 1)	axioappendicular muscles
ction / Spotting			Dr. Nayab (Odd)	as Dr. Nayab (Odd)	aspects-III surface Ass. Prof. Dr Mohtashim (Ceven)	aspects-III Surface Oogenesis Dr. Nayab (Odd) Ass. Prof. Dr Mohtashim (Odd) (Even) Prof. Dr. Ayesha	aspects-III Surface Gogenesis Cell memorane Ass. Prof. Dr Prof. Dr. Ayesha (Odd) Odd) Dr. Faizania Shabir (Even)	aspects-III Surface Oogenesis cell membrane Ass. Prof. Dr Prof. Dr. Ayesha (Odd) Odd) Dr. Faizania Shabir (Fyen) Dr. Uzma (Odd)	aspects-III Dr. Nayab (Odd) Ogenesis Surface Ass. Prof. Dr Mohtashim (Odd) Dr. Faizania Shabir (Even) Dr. Uzma (Odd)	aspects-III surface Oogenesis cell membrane Topics & Venue mentioned at the end (Refered to table no. 1) Or. Nayab (Odd) Or. Nayab (Odd) Dr. Faizania Shabir (Even) Dr. Uzma (Odd) Topics & Venue mentioned at the end (Refered to table no. 1)

				Table No. 1	(Time: 12	:20pm – 02:	00pm)							
Batch D	istributio	n for Practical	Topics for Skill Lab with Venue				Scheo	dule for Practical /	Small G	roup Discus	sion			
	ll subject		Simple Epithelium (Anatomy/Histology-	Day	Histolog	y Practical	Bio	ochemistry	Phy	vsiology		rsiology		hemistry
		up Disscusion	practical) venue-Histology Laboratory (Dr.					Practical		actical		CBL		SGD
(Biochei	mistry an	d Physiology)	Kashif)		Batch	Teacher	Batch	Teacher Name	Batch	Teacher	Batch	Teacher	Batch	Teacher
	1		Introduction to Lab Equipment			Name				Name		Name		Name
Sr. No	Batch	Roll No.	(Biochemistry practical) venue- Biochemistry Lab)	Monday	С	Prof. ociate na)	В	Dr. Rahat	E	Dr. Ali	A	Dr. Sheena	D	Dr. Uzma
1.	A	01-70	Introduction to Wintrobe &Westergen tube (Physiology-Practical (Physiology)	Tuesday	D	sed by & Assc nim Hin	С	Dr. Nayab	A	Dr. Sheena	В	Dr. Uzma	Е	Dr. Almas
2.	В	71-140	Laboratory)	Wednesd	Е	ervi saf ıtash	D	Dr. Uzma	В	Dr.	С	Dr. Fahd	A	Dr.
			• /	ay		Sup. You Moh				Uzma				Romessa
3.	С	141-210		Thursday	В	r. Kashif (Supervised by Prof. . Ayesha Yousaf & Associate Prof. Dr. Mohtashim Hina)	A	Dr. Almas	D	Dr. Maryam	Е	Dr. Ali	С	Dr. Nayab
4.	D	211-280		Saturday	A	Dr. K Dr. A Pro	Е	Dr. Romessa	С	Dr. Fahd	D	Dr. Maryam	В	Dr. Rahat
5.	Е	281-onwards	Topics for Small Group Discussion & CBL		Table No.	2 Batch Dis	tribution a	nd Venues for An	atomy S	mall Group I	Disscussi	on SGDs / D	issection	S
			with Venue		(Sı	pervised b	y Prof. Di	r. Ayesha Yousa	f & Ass	ociate Prof.	Dr. Mol	ntashim Hir	na)	
			Physiology CBL –Body fluid	Batches	Ro	ll No	Anat	omy Teacher			V	enue enue		
			compartment, cell membrane &	A	01-90		Dr. Zene	ara Saqib	New Le	ecture Hall C	Complex ()2		
			cytoskeletal-venue-Lecture Hall 5 (First	В	91-180		Dr Qura	ıl Ain	New Le	ecture Hall C	Complex ()3		
			Floor)	С	181- 270		Dr Sajjad	i	Anaton	ny Lecture H	all 03			
			 Biochemistry Small Group Discussion - Physico chemical aspects of cell membrane Lecture Hall 3 (First Floor) Cell & Cell 	D	271 and	onwards	Dr Ali R	aza	Anaton	ny Lecture H	all 04			
			membrane- Lecture Hall 3											

Table No. 3 Batch Distribution with Venues and Teachers Name for Small Group Disscussion (SGD) Physiology

Topic: Receptor and signal transduction Date: 29-02-2024 Time: 10:10am – 11:00am

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	6.	C2	(176-210)	Lecture Hall NO. 05	Dr. Nayab Zonish (PGT Physiology)
			(Physiology)	(PGT Physiology)				(Basement)	
2.	A2	(36-70)	Lecture Hall no.04 (1st Floor	Dr. Ali Zain	7.	D1	(210-245)	Lecture Hall NO. 03	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(PGT Physiology)				(First Floor)	
3.	B1	(71-105)	Lecture Hall no.02	Dr. Afsheen Batool	8.	D2	(246-280)	Anatomy Museum (First	Dr. Muhammad Usman
			(Basement)	(PGT Physiology)				Floor Anatomy)	(PGT Physiology)
4.	B2	(106-140)	Conference room	Dr. Najam-us-Sehar	9.	E1	(281-315)	Lecture Hall no.01	Dr. Fareed Ullah Khan (Demonstrator Physiology)
			(Basement)	(PGT Physiology)					
5.	C1	(141-175)	Lecture Hall N0. 04	Dr. Maryam Abbas	10.	E2	(315 onwards)	Lecture Hall no.02	Dr. Kashif Rauf
			(Basement)	(PGT Physiology)					(Demonstrator Biochemistry)

	Table No. 4 Batch Distribution and Venues for Anatomy Supervised SDL											
Topic: Anter	erior Axioappendicular l	Muscles		Topic: Po	sterior Axioappendicula	ar Muscles						
Date: 26-02-7	Date: 26-02-2024 Time: 09:00am - 09:50am Date: 27-02-2024 Time: 09:00am - 09:50am											
Batches Roll No Anatomy Teacher Venue Batches Roll No Anatomy Teacher Venue												
A	01-90	Dr. Zeneara Saqib	New Lecture Hall Complex 02	A	01-90	Dr. Zeneara Saqib	New Lecture Hall Complex 02					
В	91-180	Dr Quraul Ain	New Lecture Hall Complex 03	В	91-180	Dr Quraul Ain	New Lecture Hall Complex 03					
С	181- 270	Dr Sajjad	Anatomy Lecture Hall 03	С	181- 270	Dr Sajjad	Anatomy Lecture Hall 03					
D	271 and onwards	Dr Ali Raza	Anatomy Lecture Hall 04	D	271 and onwards	Dr Ali Raza	Anatomy Lecture Hall 04					

			Table No. 5 Bate	ch Distribution with Venu	ies and To	eachers Na	me for Problem I	Based Learning (PBL) Sessi	ons
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	6.	C2	(176-210)	Lecture Hall NO. 05	Dr. Nayab Zonish (PGT Physiology)
			(Physiology)	(PGT Physiology)				(Basement)	
2.	A2	(36-70)	Lecture Hall no.04 (1st	Dr. Ali Zain	7.	D1	(210-245)	Lecture Hall NO. 03	Dr. Iqra Ayub (PGT Physiology)
			Floor Anatomy)	(PGT Physiology)				(First Floor)	
3.	B1	(71-105)	Lecture Hall no.02	Dr. Afsheen Batool	8.	D2	(246-280)	Anatomy Museum (First	Dr. Muhammad Usman
			(Basement)	(PGT Physiology)				Floor Anatomy)	(PGT Physiology)
4.	B2	(106-140)	Conference room	Dr. Najam-us-Sehar	9.	E1	(281-315)	Lecture Hall no.01	Dr. Fareed Ullah Khan (Demonstrator Physiology)
			(Basement)	(PGT Physiology)					
5.	C1	(141-175)	Lecture Hall N0. 04	Dr. Maryam Abbas	10	E2	(315 onwards)	Lecture Hall no.02	Dr. Kashif Rauf
			(Basement)	(PGT Physiology)					(Demonstrator Biochemistry)
				N	O DRI S	accion duri	ng 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 # 03						
Even Roll Number New Lecture Hall Complex Lecture Theater # 02							

Time Table for Foundation Module (Fourth Week) (04-03-2024 to 09-03-2024)

DATE/ DAY	8:00 AM	I – 9:00 AM	9:00 AM -	09:50 AM	9:50 AM – 10:10 AM	10:10 AM	I – 11:00 AM	11:00 AM	- 11:50 AM	11:50 AM - 12:20 PM	12:20 PM TO 02:00PM	Home Assignment
	BIOCHEM	ISTRY (LGIS)	PATHOLO	OGY LGIS	10.10 AM	ANATO	MY(LGIS)	PHYSIOLO	OGY (LGIS)	12.20 1 1/1	02.0011/1	
04-03-2024 Monday	Introduction & Classification of Enzymes	Nucleic Acid Chemistry-I	Free Radicals/ Reactive Oxygen Species (ROS).	Free Radicals/ Reactive Oxygen Species (ROS).		Embryology Female Reproductive Cycles	Histology Intra cellular junctions & adhesions Asst. Prof. Dr.	Structure of nucleus, ribosomes and cell division	Cell membrane ion channels, transport across cell membrane		Practical &CBL Topics & Venue mentioned at the end (Refered to table no. 1)	SDL Physiology Genetics, transcription & translation
	Dr. Uzma Zafar (Even)	Dr. Kashif Rauf (Odd)	Dr. Rabia (Even)	Dr Fatima (Odd)		Prof. Dr. Ayesha (Even)	Arsalan Manzoor (Odd)	Dr. Uzma (Even)	Dr. Faizania Shabir (Odd)		,	
	BIOCHEM	ISTRY (LGIS)		MY LGIS		PBL SI	ESSION -I	BIOCHEMIS	STRY (LGIS)	<u>~</u>		
05-03-2024 Tuesday	Nucleic Acid Chemistry-I	Introduction & Classification of Enzymes	Histology Intercellular junctions and adhesions	Embryology Female Reproductive Cycles		PBI	_ Team	Nucleic Acid Chemistry-II	Properties / Factors of Enzymes	a	Practical &CBL Topics & Venue mentioned at the end	SDL Physiology Structure of nucleus ribosome's & cell
	Dr. Kashif Rauf (Even)	Dr. Uzma Zafar (Odd)	Asst. Prof. Dr. Arsalan Manzoor (Even)	Prof. Dr. Ayesha (Odd)	PATHO			Dr. Kashif Rauf (Even)	Dr. Uzma Zafar (Odd)	e	(Refered to table no. 1)	division
		DISS	ECTION / SGD		_	PATHOL	OGY (LGIS)	PHYSIOLO	OGY (LGIS)			
06-03-2024 Wednesday			Axilla		B	Irreversible i	njury / Necrosis	Transport across cell membrane, Osmosis	Cellular control mechanism, cell cycle programmed cell death/ apoptosis	B r	Practical &CBL Topics & Venue mentioned at the end (Refered to table no. 1)	SDL Biochemistry Nucleic Acid Chemistry
					ပ	Dr. Rabia (Even)	Dr Fatima (Odd)	Dr. Faizania Shabir (Even)	Dr. Uzma (Odd)		(Terefore to those not 1)	
	DISSEC	FION / SGD	BIOCHEMIS	STRY (LGIS)		PBL SE	SSION -II	PHYSIOLO Cellular control	OGY (LGIS)			
07-03-2024 Thursday	DISS	ECTION	Properties / Factors of Enzymes	Nucleic Acid Chemistry-II	B	PBI	PBL Team		Transport across cell membrane, Osmosis		Practical &CBL Topics & Venue mentioned at the end (Refered to table no. 1)	SDL Biochemistry Cancer
			Dr. Uzma Zafar (Even)	Dr. Kashif Rauf (Odd)				Dr. Uzma (Even)	Dr. Faizania Shabir (Odd)		(
	PATHOL	OGY LGIS.	BIOCHEMIS	STRY (LGIS)	Į.		MY (LGIS)	PHYSIOLO	OGY (LGIS)			
08-03-2024	Irreversible I	njury Apoptosis	MM Equation, Coenzymes, Co Factors	Replication		Embryology	Histology	Active Transport I	Active Transport II	S	DL Anatomy	
Friday	Dr. Rabia (Even)	Dr Fatima (Odd)	Dr. Uzma Zafar (Even)	Dr. Aneela (Odd)		Fertilization Prof. Dr Ayesha	Glands Ass. Prof. Dr	Dr. Faizania Shabir	Dr. Sheena		Axilla	
]	(Even)	Muhtashim (Odd)	(Even)	(Odd)			
		DISS	ECTION / SGD		-	BIOCHEM	ISTRY (LGIS)	PHYSIOLO	OGY (LGIS)			
09-03-2024 Saturday		Ві	rachial plexus			Replication	MM Equation, Coenzymes, Co Factors	Active Transport II	Active Transport I	reak	Practical &CBL Topics & Venue mentioned at the end	SDL Anatomy Brachial plexus
		Bracniai piexus				Dr. Aneela (Even)	Dr. Uzma Zafar (Odd)	Dr. Sheena (Even)	Dr. Faizania Shabir (Odd)	В	(Refered to table no. 1)	

					Table No. 1	(Time: 12	2:20 pm - 0.00 m								
		n for Practical	Topics for Skill Lab			T					Group Discussion			1	
	ll subjects		Stratified epithelium a		Day	Histolog	gy Practical		chemistry		hysiology	Pł	nysiology		hemistry
		up Disscusion	epithelium (Anatomy				1		ractical	_	Practical		SGD		SGD
(Biochei	mistry and	d Physiology)	practical) venue-Histo	ology Laboratory		Batch	Teacher	Batch	Teacher	Batch	Teacher	Bat	Teacher	Batch	Teache
~			(Dr. kashif)			~	Name		Name		Name	ch	Name		Name
Sr. No	Batch	Roll No.	 Physiochemical Aspe Surface Tension and I 		Monday	С	Prof. ociate na)	В	Dr. Rahat	Е	Dr. Ali	A	Dr. Sheena	D	Dr. Uzn
1.	A	01-70	(Biochemistry practic Biochemistry Lab)	al) venue-	Tuesday	D	sed by & Assonim Hi	С	Dr. Nayab	A	Dr. Sheena	В	Dr. Uzma	Е	Dr. Almas
2.	В	71-140	 Apparatus identificati Neubauer's chamber, 		Wednesday	Е	upervi ousaf Iohtash	D	Dr. Uzma	В	Dr. Uzma	С	Dr. Fahd	A	Dr. Romess
3.	С	141-210	(RBC) pipettes& Whi	RBC) pipettes& White Blood Cell (WBC) pipette (Physiology-Practical		В	Dr. Kashif (Supervised by Prof. Dr. Ayesha Yousaf & Associate Prof. Dr. Mohtashim Hina)	A	Dr. Almas	D	Dr. Maryam	Е	Dr. Ali	С	Dr. Nayab
4.	D	211-280		(Physiology Laboratory) Sa		A	Dr. Ka Dr. Ay Prof	Е	Dr. Romessa	C	Dr. Fahd	D	Dr. Maryam	В	Dr. Rah
5.	Е	281-onwards	Topics for CBLs	with Venue	Т	able No. 2	Ratch Dis	tribution an	d Venues for A	natomy S	Small Group Diss	cuesio		esections	
3.	L	201 onwards	Topics for CBLs	with vehice	1					_	sociate Prof. Dr				
			Physiology CBL Dow	vn's syndrome –	Batches		oll No	Anato	my Teacher				enue		
			(venue-Lecture Hall 5	5)	A	01-90		_	eara Saqib	New L	ecture Hall Comp	plex 02			
			Biochemistry CBL – 1	Enzymes-Lecture	В	91-180		Dr Qura		_	ecture Hall Comp				
			Hall 3		С	181- 270		Dr Sajja		_	ny Lecture Hall (
					D		onwards	Dr Ali R			ny Lecture Hall ()4			
			Table No. 3	3 Batch Distribution	with Venues a	nd Teache	rs Name fo	r Problem F	Based Learning	g (PBL) Se	essions				
Sr No.	Batches	Roll No	Venue	Teache		Sr No.	Batches	Roll N	О	Ven	ue			achers	
1.	A1	(01-35)	Lecture Hall no.05 (Physiology)	Prof. Dr. Ayesha Y (Professor of Ana		6.	C2	(176-21	0) Lecture	Hall NO.	05 (Basement)	Dr. N	Nayab Zonish	ı (PGT Pl	nysiology
2.	A2	(36-70)	Lecture Hall no.04 (1st Floor Anatomy)	Dr. Aneela Jamil (Assistant Professo Biochemisty)		7.	D1	(210-24	Floor)	Hall NO.	· ·		qra Ayub (Po	•	ology)
3.	B1	(71-105)	Lecture Hall no.02 (Basement)	Dr. Afsheen Batoo Physiology)	ol (PGT	8.	D2	(246-28	0) Anaton Anaton	-	n (First Floor		Muhammad U Physiology		
4.	B2	(106-140)	Conference room (Basement)	Dr. Najam-us-Seh Physiology)	ar (PGT	9.	E1	(281-31	5) Lecture	Hall no.0)1	Dr. 1	Fareed Ullah nonstrator Ph	Khan)
5.	C1	(141-175)	Lecture Hall No. 04 (Basement)	Dr. Sidra Hamid (Assisttant Profess Physiolgy)		10	E2	(315 onwa		Hall no.0)2	Dr. k	Kashif Rauf nonstrator Bi		
					enues for Lar	<u> </u>									
				Odd Roll Number	rs New Lea	cture Hall	Complex L	ecture Thea	ter # 03						

Even Roll Number New Lecture Hall Complex Lecture Theater # 02

Time Table for Foundation Module (Fifth Week) (11-03-2024 to 16-03-2024)

DATE/ DAY	8:00 AM - 9:00 AM	9:00 AM - 09:50 AM	9:50 AM – 10:10 AM	10:10 AM – 11:0	00 AM	11:00 AM	– 11:50 AM	11:50 AM - 12:20 PM	12:20 PM - 02:00PM	Home Assignment
	DISSEC	TION / CBL		ANATOMY (L	GIS)	MEDICI	NE(LGIS)		Practical (Supervised by Prof	
11-03-2024	Brachial plexus injurie	es and winging Of Scapula		Embryology	Histology	Chromosom	al Abrassions	¥	Ayesha) & SGD	
Monday		Assit. Prof. Dr. Arsalan		Ovulation and fertilization	Glands		,	Break	Topics & Venue mentioned at the	SDL Physiology
	Pro. Dr. Saima (Even)	Mughal (Odd)		Prof. Dr. Ayesha	Ass. Prof. Dr.	Dr. Madiha	Dr. Unazua	H	end	Cell membrane
DATE/ DAY	0.00 434 0.00 434	0.00 AM 00.50 AM		(Even)	Mohtashim (Odd)	Nazr (Odd)	(Even)		(Refered to table no. 1) 11:50 AM - 01:00 PM	Home Assignment
DATIM/ DAT	8:00 AM - 9:00 AM	9:00 AM – 09:50 AM ECTION		10:10 AM – 11:0 BIOCHEMISTRY			– 11:50 AM E & OBS		11:50 AM - 01:00 FM	Home Assignment
	DISS	ECTION	-	BIOCHEMISTRY	T)		to fertilization			
12-03-2024 Tuesday	F	Breast	*	Transcription	Regulation & . implantation. Inhibition of Enzyme Activity		& Venue mentioned at the end	SDL Physiology Cell organelles		
			B	Dr. Aneela (Even)	Dr. Uzma Zafar (Odd)	Dr. Ammara Arooj (Even)	Lecture Theater No. 2		(Refered to table no. 1)	
	DISSECTION / SGD	PATHOLOGY (LGIS)	ت	BIOCHEMISTRY	(LGIS)	BIOCHEMI	STRY (LGIS)			
				Regulation & Inhibition of Enzyme Activity	Transcription	Translation	Mutation	Practical (S	upervised by Prof Ayesha) & SGD	SDL Biochemistry
13-03-2024 Wednesday	Dissection/spotting	Genetic disorder Dr. Rabia Dr Fatima (Even) (Odd)	B r	Dr. Uzma Zafar (Even)	Dr. Aneela (Odd)	Dr. Aneela (Even)	Dr. Kashif Rauf (Odd)		& Venue mentioned at the end (Refered to table no. 1)	Diagnostic Role of Enzymes
	DISSEC	TION / SGD	i	ANATOMY (L	GIS)	BIOCHEMI	STRY (LGIS)			
				Histology	Embryology					SDL Biochemistry
14-03-2024 Thursday	Sternoclavicular and	acromioclavicular joints		Histology & Development of Mammary Gland	Cleavage and formation of blastocyst	Mutation	Translation	Practical (Supervised by Prof Ayesha) & SGD Topics & Venue mentioned at the end (Refered to table no. 1)		Transcription Online Clinical Evaluation will be conducted from 12
				Prof. Dr. Ifra Saeed / Asso. Dr. Mohatashim Hina (Even)	Prof. Dr. Ayesha Yousaf (Odd)	Dr. Kashif Rauf (Even)	Dr. Aneela (Odd)			to 12:15 noon
	DISSEC	TION / SGD		BIOCHEMISTRY	(LGIS)	MEDICI	NE(LGIS)			
15-03-2024 Friday	Radiograph/Surface anato	omy of axioapendicular region		Recombinant DNA/ PCR (Polymerase Chain Reaction)	Clinical Enzymology		ng and General Examination		SDL Anatomy Brachial plexus injuries (Refered to table no. 1)	
				Dr. Kashif Rauf (Even)	Dr. Uzma Zafar / Dr. Aneela (Odd)	Dr. Imran Saeed (Odd)	Dr. Saima Mir (Even)		,	
DATE/ DAY	8:00 AM - 9:00 AM	9:00 AM - 09:50 AM		10:10 AM – 11:0		11:00 AM	- 12:00 PM			
				ANATOMY (L		BIOCHEMI	STRY (LGIS)			
			∠	Histology	Embryology	_	Recombinant			
16-03-2024 Saturday	Dissection/Snottir	on/Spotting	Brea	Histology & Development of Mammary Gland	Cleavage and formation of blastocyst	Clinical Enzymology	(Polymerase		upervised by Prof Ayesha) & SGD & Venue mentioned at the end (Refered to table no. 1)	SDL Anatomy Breast
				Prof. Dr. Ifra Saeed / Asso. Dr. Mohatashim Hina (Odd)	Prof. Dr. Ayesha (Odd)	Dr. Uzma			(Telefold to table 110. 1)	

				Table No. 1	(Time: 12	:20pm – 02:	(00pm)							
Batch D	istributio	n for Practical	Topics for Skill Lab with Venue				Schedu	ule for Practical / S	Small Gr	oup Discussi	on			
	ll subject mall Gro	s) up Disscusion	Mammary Gland (Anatomy/Histology- practical) Venue-Histology Laboratory	Day	Histolog	y Practical		ochemistry Practical		vsiology actical		rsiology SGD		hemistry CBL
(Biocher	mistry an	d Physiology)	(Dr. Kashif)Physiochemical aspects of cell-		Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name
Sr. No	Batch	Roll No.	Adsorption & Tonicity (Biochemistry practical) venue- Biochemistry	Monday	С	by Prof. ssociate Hina)	В	Dr. Rahat	Е	Dr. Ali	A	Dr. Sheena	D	Dr. Uzma
1.	A	01-70	laboratory) • Apparatus identification (Introduction to	Tuesday	D	sed & A iim	С	Dr. Nayab	A	Dr. Sheena	В	Dr. Uzma	E	Dr. Almas
2.	В	71-140	centrifuge machine) (Physiology- Practical) Venue-Physiology Laboratory	Wednesday	Е	Supervis Yousaf o Mohtash	D	Dr. Uzma	В	Dr. Uzma	С	Dr. Fahd	A	Dr. Romessa
3.	С	141-210		Thursday	В	.: Kashif () .: Ayesha ` Prof. Dr. I	A	Dr. Almas	D	Dr. Maryam	Е	Dr. Ali	С	Dr. Nayab
4.	D	211-280		Saturday	A	Dr. K Dr. A Pre	Е	Dr. Romessa	С	Dr. Fahd	D	Dr. Maryam	В	Dr. Rahat
5.	Е	281-onwards	Topics for Small Group Discussion with Venue	Т				d Venues for Ana Ayesha Yousaf		_				
			Physiology SGD – Cellular control	Batches	Ro	ll No	Anat	omy Teacher			V	⁷ enue		
			mechanism, cell cycle, programmed cell	A	01-90		Dr. Zene	eara Saqib	New L	ecture Hall C	Complex (02		
			death, Apoptosis Lecture Hall 5	В	91-180		Dr Qura	ul Ain	New L	ecture Hall C	Complex (03		
			• Biochemistry CBL – Genetics (PCR) -	C 181- 270			Dr Sajjad Anatomy Lecture Hall 03							
			Lacture Hall 2	D	271 and		D _v A1; D			y Lastura U	M 1101			

Table No. 3 Batch Distribution with Venues and Teachers Name for Small Group Disscussion (SGD) Physiology

Topic: Concept of Body Fluid and Internal Environment Date: 22-02-2024 Time: 10:10am – 11:00am

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	6.	C2	(176-210)	Lecture Hall NO. 05	Dr. Nayab Zonish (PGT Physiology)
			(Physiology)	(PGT Physiology)				(Basement)	
2.	A2	(36-70)	Lecture Hall no.04 (1st Floor	Dr. Ali Zain	7.	D1	(210-245)	Lecture Hall NO. 03	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(PGT Physiology)				(First Floor)	
3.	B1	(71-105)	Lecture Hall no.02	Dr. Afsheen Batool	8.	D2	(246-280)	Anatomy Museum (First	Dr. Muhammad Usman
			(Basement)	(PGT Physiology)				Floor Anatomy)	(PGT Physiology)
4.	B2	(106-	Conference room	Dr. Najam-us-Sehar	9.	E1	(281-315)	Lecture Hall no.01	Dr. Fareed Ullah Khan (Demonstrator Physiology)
		140)	(Basement)	(PGT Physiology)					
5.	C1	(141-	Lecture Hall N0. 04	Dr. Maryam Abbas	10.	E2	(315 onwards)	Lecture Hall no.02	Dr. Kashif Rauf
		175)	(Basement)	(PGT Physiology)					(Demonstrator Biochemistry)

Table No. 4 Batch Distribution and Venues for Anatomy Case Base Learning (CBL)									
Topic: Brac	Topic: Brachial plexus injuries and winging Of Scapula								
Date: 11-03-2	Date: 11-03-2024 Time: 08:00am – 09:50am								
Batches	Roll No	Anatomy Teacher	Venue						
A	01-90	Dr. Zeneara Saqib	New Lecture Hall Complex 02						
В	91-180	Dr Quraul Ain	New Lecture Hall Complex 03						
С	181- 270	Dr Sajjad	Anatomy Lecture Hall 03						
D	271 and onwards	Dr Ali Raza	Anatomy Lecture Hall 04						

	Table No. 6 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. Mohtashim Hina (Assoc. Prof. Anatomy)	6.	C2	(176-210)	Lecture Hall NO. 05 (Basement)	Dr. Nayab Zonish (PGT Physiology)	
2.	A2	(36-70)	Lecture Hall no.04 (1st Floor Anatomy)	Dr. Aneela Jamil (Assistant Professor of Biochemisty)	7.	D1	(210-245)	Lecture Hall NO. 03 (First Floor)	Dr. Iqra Ayub (PGT Physiology)	
3.	B1	(71-105)	Lecture Hall no.02 (Basement)	Dr. Afsheen Batool (PGT Physiology)	8.	D2	(246-280)	Anatomy Museum (First Floor Anatomy)	Dr. Muhammad Usman (PGT Physiology)	
4.	B2	(106- 140)	Conference room (Basement)	Dr. Najam-us-Sehar (PGT Physiology)	9.	E1	(281-315)	Lecture Hall no.01	Dr. Fareed Ullah Khan (Demonstrator Physiology)	
5.	C1	(141- 175)	Lecture Hall N0. 04 (Basement)	Dr. Sidra Hamid (Assisttant Professor of Physiolgy)	10	E2	(315 onwards)	Lecture Hall no.02	Dr. Kashif Rauf (Demonstrator Biochemistry)	

Table No. 7 Venues for Large Group Interactive Session (LGIS)						
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 03					
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02					

Early Clinical Exposure, Basic Life Support Workshop (BLS) for Foundation Module (Sixth Week) (18-03-2024 to 23-03-2024)

Date / Days	Early Clinical Exposure (ECE) and Basic Life Support (BLS)	9:30 - 09:45 AM				
	08:00am	- 09:30am		10:00am – 01:00 pm			
18-03-2024	Orientation So	ession on ECE		Early Clinical Exposure			
Monday	Prof. Dr.	Ifra Saeed	ica 	Basic Life Support			
Wionday	Lecture Th	eater No. 2	Clinical	Workshop (BLS)			
	Synopsis Wi	riting Session	_	Early Clinical Exposure			
19-03-2024	Dr. Khola Noreen	Dr. Afifa kalsoom		Basic Life Support			
Tuesday	Research Team A, B, C, D & E	Research Team F, G, H, I & J	EC E	Workshop (BLS)			
	Lecture Theater No. 2	Lecture Theater No. 3	ng Time for Early Exposure (ECE)				
	Questionare	Development	me	Early Clinical Exposure			
20-03-2024	Dr. Khola Noreen	Dr. Afifa kalsoom	Tij.	Basic Life Support			
Wednesday	Research Team A, B, C, D & E	Research Team F, G, H, I & J	ng Ey	Workshop (BLS)			
	Lecture Theater No. 2	Lecture Theater No. 3	Assembling				
	Hands on Session	on Data Analysis	em	Early Clinical Exposure			
21-03-2024	Dr. Khola Noreen	Dr. Afifa kalsoom	4ss	Basic Life Support			
Thursday	Research Team A, B, C, D & E	Research Team F, G, H, I & J		Workshop (BLS)			
	Lecture Theater No. 2	Lecture Theater No. 3					
22-03-2024							
Friday		SDL					
23-03-2024 Saturday	Pakistan Day						

Implementation Details of Early Clinical Exposure and Basic Life Support Workshop (BLS) for First Year MBBS Foundation Module Week Six 18-03-2024 – 21-03-2024 (Time: 10:00am – 1:00pm)

	Time Table 1 st year MBBS														
	Early Clinical Teaching and Training Posting														
			Me	dicine		Surger	y + Trauma		Emerge	ency		Basic Life Support (Bls)			
	Batch		1	T	<u> </u>						T			by Dr Jawad	
Distribu	tion & Units	HFH	HFH	BBH	BBH		BBH Unit- II		RIUT	BBH	BBH	LTC-1	LTC-2	LTC-3	LTC-4
		Unit-I	01110 11	Unit-I	Unit- II	Dr. Sidra	Dr. Hina	HFH	(Emergency	Medicine	Surgery	Dr Asma	Dr Abeera	Dr Ayesha	Dr Anum
		(RIUT)	(RIUT)	Dr. Sana	Dr. Ali				Medicine)	Dr. Sana	Dr.		Zareen	Nazir	Malik
		Dr. Seemab	Dr Nida	Ahmed	Murtaza				Dr. Iqra	Ahmed /	Sidra /				
		Seemao	Anjum						Ashraf / Dr.	Dr. Ali	Dr.				
			/ Dr.						Aeiman	Murtaza	Hina				
			Unaiza												
		A1	A2	A3	A4	D4, D3	D1, D2	C1	C2	C3	C4	B-BLS 1	B-BLS 2	B-BLS 3	B-BLS 4
	Dates / Days	B1	B2	В3	B4	A3. A4	A1. A2	D1	D2	D3	D4	C-BLS 1	C-BLS 2	C-BLS 3	C-BLS 4
Modules		C1	C2	C3	C4	B3, B4	B1, B2	A1	A2	A3	A4	D-BLS 1	D-BLS 2	D-BLS 3	D-BLS 4
		D1	D2	D3	D4	C3, C4	C1, C2	B1	B2	В3	B4	A-BLS 1	A-BLS 2	A-BLS 3	A-BLS 4
<u>e</u>	Monday]	Medicine	(A BATCI	H)	Surgery (D BATCH)	Emergency (C BATCH)				BLS (B BATCH)			
[npo	18-03-2024														
Mc	Tuesday Medicine (B BATCH)		Surgery (A BATCH)	Emergency (D BATCH)				BLS (C BATCH)						
lon	19-03-2024			(G.D.) EG	· • ·	G (D D A TICK)					DI G (D D L MGII)				
Foundation Module	Wednesday Medicine (C BATCH) Surgery (B BATCH		R RATCH)	Emergency (A BATCH)				BLS (D BATCH)							
unc	20-03-2024 Thursday	1	Madicina	(D BATCI	<u> </u>	Surgery	C BATCH)		Emergency (B	RATCH)		BLS (A BATCH)			
FC	21-03-2024	,	vicultille	(D DATCI	11)	Surgery (C DATCII)		Lineigency (D	DATCII)			DLS (A.	Diff CII)	

	Medicine		Surgery				
Name Hospital Contact No.		Name	Hospital	Contact No.			
Dr. Semab	HFH, Unit-I	0335-8438595	Dr. Waqas	HFH, Unit-I	0334-5267644		
Dr. Nadia Anjum	HFH, Unit-II	0323-5894543	Dr. Amjad Umair / Dr. Asad Amir	HFH, Unit-II	0312-5255299 / 0345-5533704		
Dr. Sana Ahmed	BBH, Unit-I	0322-4726472	Dr, Sidra	BBH, Unit-I	0336-7021694		
Dr. Ali Murtaza	BBH, Unit-II	0321-6539011	Dr. Hina	BBH, Unit-II	0336-0553435		
Dr. Iqra Ashraf	RIUT, ER (Unit-I)	0342-5430577	Dr. Aieman	RIUT, ER Unit-II	0331-5388375		
Dr. Unaiza	RIUT. MU-II	0305-7910755					

Details of Batch Distribution

Sr No.	Batches	Sub batches	Roll No.
DI 140.	Butches	with Roll No.	Kon 110.
1			1 22
1.		A1	1-22
	A	A2	23-45
		A3	46-68
		A4	69-92
2.		B1	93-115
	В	B2	116-139
		В3	140-162
		B4	163-184
3.		C1	185-206
	C	C2	207-228
		C3	229-250
		C4	251-272
4.		D1	273-295
	D	D2	296-317
		D3	318-340
		D4	340-onwards

List of Facilitators with Venues

Sr. No	Venue	Batch Incharge		
1.	Rawalpindi Institute of Urology (RIUT)	Dr. Zenera Saqib	MU-I	
		Dr. Qurat ul Ain	MU-II	
		Dr. Fahd Anwar	Emergency	
2.	Benazir Bhutto Hospitals	Dr. Sheena	MU-I	
		Dr. Almas	MU-II	
		Dr. Rahat	SU-I	
		Dr. Uzma	SU-II	
		Dr. Sajjad Hussain	ER Medicine	
		Dr. Ali Raza	ER Surgery	
3.	Skill lab HFH	Dr. Jawad Hassan	Skill Lab	

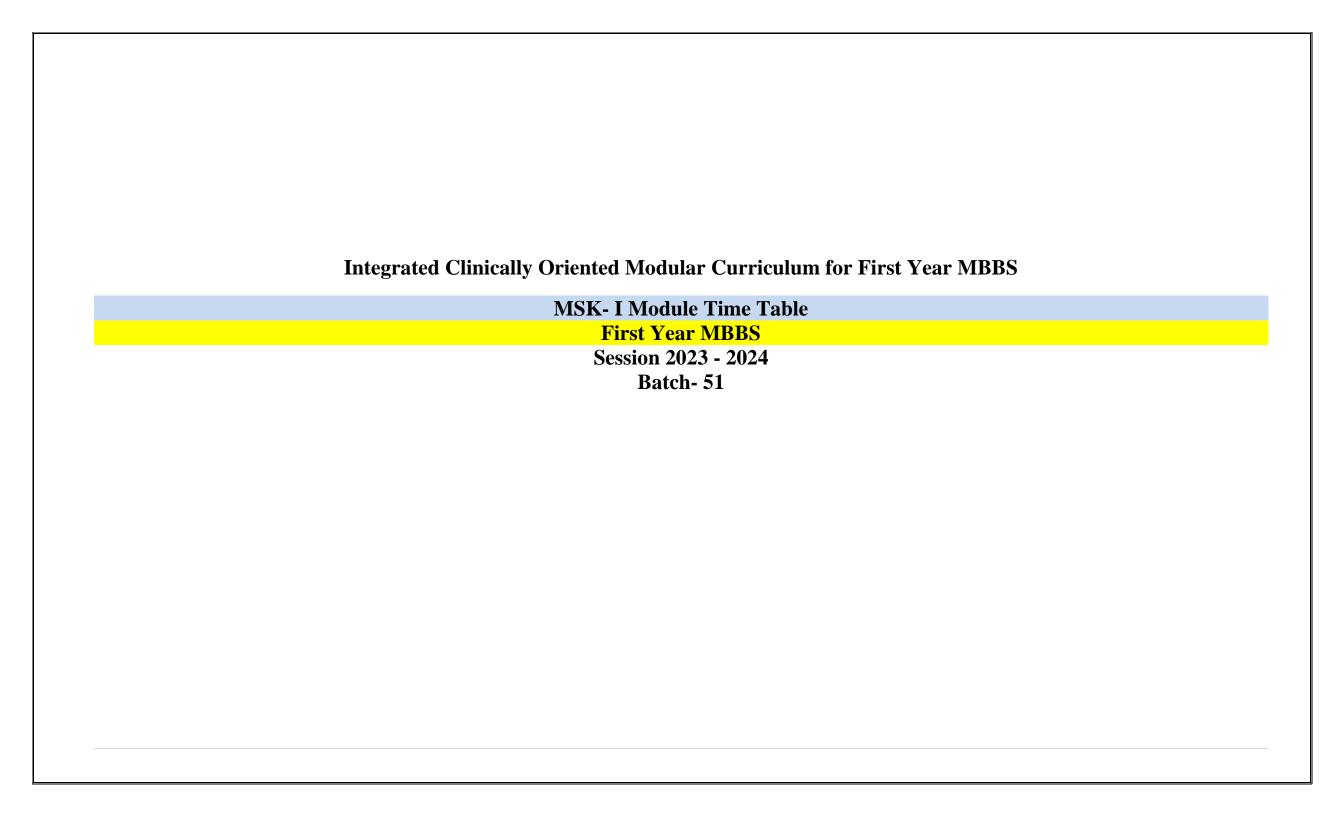
Facilitators for Basic Life Support Workshop

Sr. No	Facilitators	Venues
1.	Dr. Uzma Kiyani	LTC Hall No. 02
2.	Dr. Nayab	LTC Hall No. 03
3.	Dr. Minahil	Anatomy LT No. 03
4.	Dr. Kashif (Anatomy)	Anatomy LT No. 04

End of Foundation Module Assessment (25-03-2024 to 30-03-2024)

Date / Days	Tentative Datesheet	Time
25-03-2024 Monday 26-03-2024 Tuesday 27-03-2024	End of Module Assessments (3 days) 25 th march – 27 th March, 2024	
Wednesday		
28-03-2024 Thursday		
29-03-2024 Friday	Commencement of MSK-I Module	
30-03-2024 Saturday		

^{*}Details will be shared separately with venue and Roll No. details



MSK-I Module Team

Module Name : MSK-I Module

Duration of module : 05 Weeks

Coordinator : Dr. Maria Tasleem

Co-coordinator : Dr. Gaiti Ara

Reviewed by : Module Committee

	Module Comr	nittee		Module Task Force Team			
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Maria Tasleem (Assistant Professor of Anatomy)		
2.	Chairperson Anatomy & Dean	Prof. Dr. Ayesha Yousaf	2.	DME Focal Person	Dr. Farzana Fatima		
	Basic Sciences						
3.	Director DME	Prof. Dr. Ifra Saeed	3.	Co-coordinator	Dr. Gaiti Ara (Senior Demonstrator of Anatomy)		
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Fahd Anwar (Demonstrator of Physiology)		
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Romessa Naeem (Demonstrator of Biochemistry)		
6.	Focal Person Anatomy First Year						
	MBBS	Asso. Prof. Dr. Mohtashim Hina					
7.	Focal Person Physiology	Dr. Sidra Hamid		DN	ME 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.	Implementation Incharge 1st & 2 nd	Prof. Dr. Ifra Saeed		
				Year MBBS	Dr. Farzana Fatima		
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. Fahad Anwar					
	Lectures						
14.	Focal Person Family Medicine	Dr. Sadia Khan					

Discipline Wise Details of Modular Content

Block	Module	General Anatomy	Embryology	Histology	Gross Anatomy			
		Skeletal System	General Embryology	General Histology				
	 Anatomy 	 Bones 	Second Week of	Connective Tissue				
		 Joints 	Human Development till	Cartilage	Shoulder joint till Hand			
			Placenta & Fetal	• Bone				
		76 1 77	Membranes					
	• Biochemistry • Minerals, Vitamins (A, D, E, ascorbic acid, thiamin and niacin), Introduction & Classification of Amino Acids							
I	D1 1 1	*	*		Synthesis & Fate of Acetylcholine			
1	 Physiology 		NMJ, Myasthenia Gravis, I					
			ons. Classification of Neuro	ons & Nerve Fibers				
		Nernst Potential,		LOE A ESS A N. C				
				•	onduction & Hyperpolarized State			
		Stimulus & Resperience	onse & Types of Stimuli, St	Spiral Courses				
	• The Hely Ouron	• Imaniat		Spiral Courses				
	• The Holy Quran Translation	• Imaniat						
	 Seerat Mubarak 	• The Significance	of Seerah Studies					
		The Status of Had	lith and Sunnah in Islam					
	• Bioethics & Professionalism	Islamic concept of	f Bioethics					
	Research Club Activity	Comprehend their	r role in under "theme and s	cheme"				
	Family Medicine		ient with Body aches					
	Artificial		apper limb Radiograph & us	se of AI				
	Intelligence/Radiology							
	• Vertical components	The Holy Quran Translation Component						
	Vertical Integration							
	Clinically content relevant		odule					
	Shoulder Dislocation (Sur The state of	~ ·	1 (0					
	• Tennis elbow, Fracture of	olecranon, Radiusand U	Ina (Surgery)					

Accidents (Commun	Early Clinical Exposure (ECE)
Clinical Rotations	 How to Read Bone X- ray. How to find Bone age Fractures of distal Bones Placental abanormalities Uterine abnormalities Pregnancy and effects of congenital uterine abnormalities X-ray in paediatric age group
	Pathologies like Rickets, congenital dislocation of hip joint and other abnormalities

Categorization of Modular Content of Anatomy:

Category A*	Category B**		Categor	ry C		
General Embryology	General Histology	Demonstrations / SGD	CBL	Practical's	SDL	SSDL
 General Embryology Second week of Human Development Gastrulation (3rd week) Notochord Formation (3rd week) Neurulation & differentiation of Somites (3rd week) Early development of CVS & highlights of 4th-8th week Folding of Embryo Fetal period Placenta Fetal Membranes & Multiple pregnancy 	• Connective Tissue II • Connective Tissue III • Connective Tissue III • Cartilage • Bone	 Gross Anatomy: Shoulder joint -Flexor Compartment & Neurovascular organization of Arm Extensor compartment & Neurovascular organization of Arm Bones of Forearm Flexor compartment of forearm Extensor compartment of forearm Neurovascular organization of Forearm Neurovascular organization of Forearm Elbow joint Proximal & Distal radioulnar joints Bones of Hand Wrist joint Dorsum of Hand, Flexor & Extensor retinaculum Palm of Hand & Facial spaces Neurovascular organization of Hand Surface Marking 	• Shoulder Dislocation • Wrist Drop	 Practical's Histology of connective Tissue I Connective tissue II Cartilage Bone 	 Shoulder joint Flexor and Extensor compartment of arm Flexor & Extensor compartment of forearm Elbow joint Bones of Hand Wrist joint Neurovascular organization of Hand 	• Proximal & distal radioulnar joint • Bones of hand

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
2.	Associate professor of Anatomy department	01
3.	Assistant professor of Anatomy department (AP)	01
4.	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 * 23= 46 hours
2.	Small Group Discussions (SGD)	1.5 * 18 + 2*1=29 hours
3.	Case Based Learning (CBL)	2* 2 = 4 hours
5.	Practical / Skill Lab	1.5 * 20 = 30 hours

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	1 * 20 = 20 hours
2.	Small Group Discussions (SGD)	1.5 * 18 + 2*1=29 hours
3.	Case Based Learning (CBL)	2*2 = 4 hours
4.	SSDL	3*2 = 6 hours
5.	Practical / Skill Lab	1.5 * 4 = 6 hours
6.	Self-Directed Learning (SDL)	1 * 7= 7 hours

Categorization of Modular Content of Physiology:

Category A*	Category B**			Category	C***	
LGIS	LGIS	PB L	CBL	Practical's	SGD	SDL
NMJ, Introduction concept of motor unit. Neuromuscular transmission, synthesis & fateo facety Icholine (Prof. Dr. Samia Sarwar /Dr Aneela)	Structureofneurons. Classification of neurons & nerve fibers (By Dr Sheena Tariq)		1. Paresthesia, Paresis 2. Insecticide poisoning	 Determination of Hemoglobin concentration Determination of Hematocrit (HCT) Determination of Erythrocyte Sedimentation Rate (ESR) Determination of Differential leukocyte Count (DLC) 	1. Nernst potential 2. NMJ, Transmission across NMJ, Diseases of NMJ	1. Structure of neurons. Classification of neurons & nerve fibers 2. Nernst potential, RMP 3. Properties of nerve fibers 4. Measuret of RMP & effect of electrolytes on RMP 5. Concept of degeneration & regeneration 6. Stimulus & response & types of stimuli, Stages of action potential 7.A Refractory period, types of action potential. Graded potential comparison with action potential B. Recording & propagation of action potential & factors effecting nerve conduction & hyperpolarized state SDL:(On Campus) 1. Nernst potential, RMP Action Potential
Drugsactingon NMJ, Myasthenia Gravis, Lambart Eaton	Nernst potential, RMP (By Dr Shazia)					

Syndrome (Prof. Dr. Samia Sarwar / Dr Aneela)				
	Properties of nerve fibers (By Dr Sheena)			
	Measurement of RMP& effect of electrolytes on RMP (By Dr. Shazia)			
	Concept of degeneration & re generation (By Dr Kamil)			
	Stimulus & response & types of stimuli, Stages of action potential (By Dr Fareed)			
	Refractory period, types of action potential. Graded potential comparison With action potential (By Dr Shazia)			
	Recording & propagation of action potential & factors effect ingnerve Conduction & hyper polarized state (By Dr Fareed)			

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 (DME)
4.	Demonstrators of physiology department	07
5.	Residents of physiology department (PGTs)	06

Contact Hours (Faculty) & Contact Hours (Students)

Sr.#	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (Lectures)	$10X\ 2 = 20\ Hours$
		$18x \ 2 \text{ hours} = 36\text{hours} + 2\text{hours} (4\text{th week}) + 1 \text{ hour} (1^{\text{st}})$
2.	Small Group Discussions (SGD)/ Case based learning (CBL)	week) =39 hours
3.	Problem Based Learning (PBL)	
4.	Practical / Skill Lab	$18x \ 2 \text{ hours} = 36 \text{hours} + 2 \text{ hours (4th week)} = 38 \text{ hours}$
5.	Self-DirectedLearning (SDL)	7x 1hour= 7 hours (Off Campus)
		4x 1hour= 4hours (On Campus) (Third week)

Categorization of Modular Content of Department of Biochemistry:

Category A*	Category B**			Category C***	
LGIS	LGIS	PBL	CBL	Practical's	SGD
Minerals: Introduction & Classification. Calcium & Phosphate	Vitamins: Introduction & Classification. Vitamin A & Vitamin E		Night BlindnessRickets	 7 Colour Tests for Proteins Serum Calcium & 	Introduction & Classification of Vitamins. Vitamin E
Culcium & I nospitute				Ascorbic Acid	, italian 2
	Vitamin C				•Minerals
	Niacin & Thiamine Magnesium, Sulphur, Fluoride				•lviinerais
Vitamin D	Minerals: Copper, Zinc, Selenium, Iodine,				
	Magnesia Classification & Structure of				
	Amino Acids& Isomerism				

Category A*: Assistant Professor & Senior Demonstrator with post graduate Qualification

Category B**: 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	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)	12	6
2.	Small Group Discussions (SGD)	6 * 5 = 30 hours	1.5*4=6
3.	Problem Based Learning (PBL)	2 * 1 = 2 hours	02
4.	Practical / Skill Lab	30 hours	6
5.	Self-Directed Learning (SDL)	1 * 7= 7hours	07

Time Table for Musculoskeletal-I Module (First Week) (01-04-2024 To 03-04-2024)

Day & Date	08:00AM	- 09:00AM	09:00AM – 09:50AM	09:50AM	- 10:40AM	10:40AM- 11:00 AM	11:00AM	- 11:50AM		11:50AM – 01:00PM	Home Assignment
	BIOCHEMI	STRY (LGIS)	DME	ANATON	MY (LGIS)		PHYSIOL	OGY(LGIS)		Practical &	
Marshar	classification of vitamins vitamin A & E Dr. Aneela / Dr. Uzma (Even) Classification of vitamins vitamin A & E Foundation Module 1st Students MBBS Foundation Module 1st Students MBBS Foundation Module To CBL	Students Feedbacks of	Embryology	Histology		Structure of neurons	Nernst Poten	ntial &	Tutorial Venue & topic mentioned at the	SDL Physiology Structure of	
Monday 01- 04-2024			2nd Week of Development	Connective tissue (CT) – I (Cells of CT)		Classification of neurons and nerve fibers	RMP		end Batches, Teachers & Venue Mentioned in	Neurons & Classification of Neurons	
			Foundation Module Team	Prof. Dr. Ayesha (Even)	Ass. Prof. Dr. Mohtasham (Odd)		Dr. Sheena (Even)	Dr. Shazia ((Odd)	Table No. 1	
		CBL		PHYSIOL	OGY (LGIS)		RES	EARCH CLUB	ACTIVIT	ГҮ	
Tuesday 02 -04-2024	Batches,	(Shoulder Disle	ocation)	Nernst Potential & RMP	Structure of neurons Classification of neurons andnerve fibers	reak	Hand	s on Session on I	Data Analy	ysis	SDL Physiology Nernst Potential & RMP
		(Shoulder Dislocat Batches, Teachers & Venue Mentio		Dr. Shazia (Even)	Dr. Sheena (Odd)	B	Dr. Rizwana Shah	id (Even)	Di	r. Asif (Odd)	
		SGD/ DISSEC	CTION	ANATON	MY (LGIS)		BIOE	THICS		Practical &	
				Histology	Embryology		Islamic conce	ept of Bioethics		Tutorial	
Wednesday	-			Connective tissue-I (Cells of CT)	2nd Week of Human Development		Islamic conce	pt of Biocunes		Venue & topic mentioned at the	SDL Biochemistry
03-04-2024	Plexor comparti		scular organization of arm entioned in Table No. 2	Ass. Prof. Dr. Mohtasham (Even)	Prof. Dr. Ayesha (Odd)		Dr. Kashif Rauf (Even)	Dr. Fahd A (Odd)		end (Tuesday Batch) Batches, Teachers & Venue Mentioned in Table No. 1	Definition & classification of vitamins, Vitamin A, Vitamin E

Spring Holidays & Eid Ul Fitr Holidays 2024 04th April 2024 to 13th April, 2024

				Tabl	e No. 1	(Time: 12	:20pm – 02	2:00pm)								
Batch Dis	tribution f	or Practical	Topics for Skill Lab with Venue					Schedule	for Practical	/ Small C	Group Discussion					
Skills (all	subjects)		Connective Tissue I (Anatomy	Day	Hi	stology	Bioc	hemistry			Physiology	Ph	ysiology	Bioc	hemistry	
		Disscusion	Histology Practical) Venue-		Pr	actical		actical			Practical		SGD		GD	
(Biochem	istry and l	Physiology)	Histology Laboratory-Dr Ali Raza		Ba	Teacher	Batch	Teacher		Batch	Teacher Name	Batc	Teacher	Batch	Teacher	
			Biuret, Ninhydrin Test (Biochemistry Practical) Venue-		tc	Name		Name				h	Name		Name	
Sr. No	Batch	Roll No.	Biochemistry Laboratory • Determination of Hemoglobin	Monday	C		В	Dr. Rahat	, HOD	Е	Dr. Farid/Dr. Ali Zain	A	Dr. Sheena/ Dr. Ali Zair		Dr. Uzma	/ HOD
1.	A	01-70	concentration (Physiology- Practical)	Tuesday	D	НОБ	С	Dr. Nayab	ised by	A	Dr. Sheena/Dr.Nazia	В	Dr. Uzma/ Dr. Nazia	Е	Dr. Almas	ised by
2.	В	71-140		Wednesday	Е	by	D	Dr. Uzma	Supervised	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	A	Dr. Romessa	Supervi
3.	С	141-210		Thursday	В	Supervised	A	Dr. Almas	N N	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zair	C	Dr. Nayab	S
4.	D	211-280		Saturday	A	Su	Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr. Afsheer	В	Dr. Rahat	
5.	Е	281-onwards	Topics for SGDs / CBL with Venue			Table No	o. 2 Batch I	Distribution an	d Venues for	Anatomy	y Small Group Discu	ssion S				
	•		Physiology SGD: Nernst potential	Batches	R	oll No		ny Teacher		~		Venue				
			(Physiology Lecture Hall 05)	A	()1-90	Dr. Ali R	aza	Anatomy L	ecture Ha	all No.4					
			Biochemistry SGD: Introduction and	В	9	1-180	Dr Zenea	ra Saqib	New Lectur	re Hall Co	omplex No. 02					
			Classification of Vitamins & Vitamin E		_	31-270	Dr. Kash				omplex No. 03					
			(Venue: Lecture Hall No 2)	D	271-	onwards	Dr. Sajja		Anatomy I							
			• Anatomy CBL: Shoulder Dislocation, Wrist drop					Su	pervised by F	Prof. Dr. A	Ayesha Yousaf					

	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 (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. Nayab (PGT Physiology)	10	E2	(315	Lecture Hall no.04	Dr. Jawad Hassan						
			(Basement)				onwards)		(Demonstrator Physiology)						
				No	o PBL Ses	sion during t	his week								

Table No. 6 V	enues for Large Group Interactive Session (LGIS)
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 03
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02

Time Table for Musculoskeletal-I Module (First Week) (15-04-2024 To 17-04-2024)

Day & Date	08:00AM	I – 09:00AN	I 09:00Al	M – 09:50AM	09:50AM – 10:10AM	10:10AN	I – 11:00AM	11:00AM- 11:20 AM	11:20AM	- 12:20PM	12:20PM – 02:00PM	Home Assignment
			CBL				OMY (LGIS)		PHYSIOL	OGY(LGIS)	Practical &	SDL
	Extensor of	compartment	& Neurovascu	lar organization		General Anatomy	Histology			Measurement	Tutorial	Biochemistry
Monday 15-04-2024		(V	of arm Vrist Drop) Venue Mentioned	-		Bone-I (General Features)	Connective tissue-II (Extracellular Matrix & Types of CT)		Properties of nerve Fibers	& effect of electrolytes on RMP	Venue & topic mentioned at the end	Mineral introduction/ classification/
	<i>Buones</i> ,					Dr. Arslan (Even)	Prof. Dr. Saima Naz / Ass. Prof. Dr. Mohtasham (Odd)		Dr. Sheena (Even)	Dr. Shazia (Odd)	(Wednesday Batch)	calcium & Phosphate
	MEDI	CINE	BIOCHEMI	ISTRY (LGIS)		ANATO	MY (LGIS)		FAMILY	MEDICINE	Practical &	
			Definition &			Histology	Embryology				Tutorial	
Tuesday 16-04-2024	Osteop	oorosis	classification of vitamins, Vitamin A, Vitamin E	introduction/ classification/ calcium & Phosphate	e a k	Connective Tissue – II (Extracellular Matrix & Types of CT)	3 rd week of development (Gastrulation)	e a k		o a patient with y Pains	Venue & topic mentioned at the end (Thursday Batch)	SDL Anatomy
16-04-2024 Ss	Dr Saima Mir (Even)	Dr Javaria Malik (odd)	Dr. Almas (Even)	Dr. Aneela / Dr. Uzma (Odd)	Bre	Prof. Dr. Saima Naz / Ass. Prof. Dr. Mohtasham (Even)	Prof. Dr. Ayesha (Odd)	Bre	Dr Sadia (Even)	Dr. Sidra Hamid (Odd)	Batches, Teachers & Venue Mentioned in Table No. 1	Shoulder joint
		SGD/	DISSECTION			ANATO	OMY (LGIS)		PHYSIOL	OGY(LGIS)	Practical &	
						Embryology	General Anatomy		Measurement		Tutorial	SDL
Wednesday 17-04-2024	Ratches		tion & Spotting			3 rd week of development (Gastrulation)	Bone-I (General Features)		& effect of electrolytes on RMP	Properties of nerve Fibers	Venue & topic mentioned at the end	Anatomy Flexor and Extensor
	Daiches,	reactions &	enue Menuolleu	iii Taule INO. 2		Prof. Dr. Ayesha (Even)	Ass. Prof. Dr. Arslan (Odd)		Dr. Shazia (Even)	Dr. Sheena (Odd)	(Saturday Batch) Batches, Teachers & Venue Mentioned in Table No. 1	compartments of arm

				Tabl	e No. 1	(Time: 12	:20pm – 02	2:00pm)								
Batch Dis	stribution t	or Practical	Topics for Skill Lab with Venue				-	Schedule	for Practical	/ Small C	Group Discussion					
	subjects)		Connective Tissue I (Anatomy	Day	Hi	stology	Bioc	hemistry			Physiology	Ph	ysiology	Bioc	hemistry	
		Disscusion	Histology Practical) Venue-		Pr	actical	Pra	actical			Practical		SGD	9	SGD]
(Biochen	nistry and l	Physiology)	Histology Laboratory-Dr Ali Raza		Ba	Teacher	Batch	Teacher		Batch	Teacher Name	Batc	Teacher	Batch	Teacher	
			Biuret, Ninhydrin Test		tc	Name		Name				h	Name		Name	
G N	D . 1	D 11 M	(Biochemistry Practical) Venue-	3.7. 1	h			D D 1 .	Q		D E :1/D		<i>D</i> 01	,	Ъ	Q
Sr. No	Batch	Roll No.	Biochemistry Laboratory	Monday	С		В	Dr. Rahat	НОО	Е	Dr. Farid/Dr. Ali Zain	A	Dr. Sheena/ Dr. Ali Zaii		Dr. Uzma	НОБ
1	Λ	A 01-70 • Determination of Hemoglobin concentration (Physiology-		Tuesday	D	Ω	С	Dr.	by	A	Dr.	В	Dr. Uzma/	E	Dr.	by
1.	Λ	Practical)		Tuesday		НОБ		Nayab	pes	Λ	Sheena/Dr.Nazia	Б	Dr. Nazia		Almas	sed
2.	В	71-140	Tractical)	Wednesday	Е	l yc	D	Dr. Uzma	Supervised by	В	Dr. Uzma/	С	Dr. Fahd	A	Dr.	Supervised by
						ed 1			edn		Dr. Farhat				Romessa	adn
3.	С	141-210		Thursday	В	Supervised by	A	Dr. Almas	Š	D	Dr. Maryam/ Dr.	Е	Dr. Farid/	С	Dr.	Š
						.per					Afsheen		Dr. Ali Zai	n	Nayab	.
4.	D	211-280		Saturday	Α	Sn	E	Dr.		С	Dr. Fahd	D	Dr.	В	Dr.	
								Romessa					Maryam/ Dr. Afsheer	,	Rahat	
5.	E	281-onwards	Topics for SGDs / CBL with Venue			Table No	o. 2 Batch I	Distribution an	d Venues for	Anatom	y Small Group Discu	ssion S				
		201 011114145	Physiology SGD: Nernst potential	Batches	R	oll No		y Teacher		1 111400111		Venue	020, 210000	10115		-
			(Physiology Lecture Hall 05)	A	_)1-90	Dr. Ali R	*	Anatomy L	ecture Ha	all No.4					
			Biochemistry SGD: Introduction and	В	9	1-180	Dr Zenea	ra Saqib	New Lectur	re Hall C	omplex No. 02					
			Classification of Vitamins & Vitamin E	С	18	31-270	Dr. Kash	if Ashraf	New Lectur	re Hall C	omplex No. 03					
			(Venue: Lecture Hall No 2)	D	271-	onwards	Dr. Sajja		Anatomy I							
			Anatomy CBL: Shoulder Dislocation,					Su	pervised by F	Prof. Dr. A	Ayesha Yousaf					
			Wrist drop													

	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 (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. Nayab (PGT Physiology)	10	E2	(315	Lecture Hall no.04	Dr. Jawad Hassan						
			(Basement)				onwards)		(Demonstrator Physiology)						
				N	o PBL Ses	sion during t	this week								

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

Odd Roll Numbers New Lecture Hall Complex Lecture Theater # 03

Even Roll Number New Lecture Hall Complex Lecture Theater # 02

Time Table for Musculoskeletal-I Module Second Week (18-04-2023 to 24-04-2024)

DATE/ DAY	8:00 AM – 09:50 AM	09:50 AM – 10: 10 AM	10:10 A	M – 11:00 AM	11:00 AM – 11:20 AM	11:20 AM	- 12:20 PM	12:20 PM -02:00PM	Home Assignment
Thursday 18-04-2024	Bones of forearm (Ulna & Radius) Batches, Teachers & Venue Mentioned in Table No. 2	Break	General Anatomy Bone-II (Classification & Blood Supply) Ass. Prof. Dr. Arslan(Even)	OMY (LGIS) Embryology 3rd week (Notochord formation & Differentiation of Somites) Prof. Dr. Ayesha (Odd)	Break	Physical	Activity	Practical & CBL Venue & topic mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	SDL Physiology Resting Membrane Potential
DATE/ DAY	8:00 AM – 10:00 AM SGD / DISSECTION		10:00 AM – 11 ANATOMY (11:00 AM - 12:00 I PHYSIOLOGY(L			
Friday 19-04-2024	Flexor compartment of forearm Batches, Teachers & Venue Mentioned in Table No. 2	3 rd week (No & Different	bryology otochord formation	General Anatomy Bone-II Classification & Blood Supply) Ass. Prof. Dr. Arslan (Odd)		pt of Degeneration and regeneration Dr. Kamil (Even)	Stimulus & Response &Type of stimuli. Stages of action potential Dr. Fareed (Odd)	SDL Physiology Action Potential	
	SGD / DISSECTION			OMY (LGIS)		PHYSIOL(Practical & CBL	
Saturday 20-04-2024	Extensor compartment of forearm Batches, Teachers & Venue Mentioned	reak	Histology Connective Tissue-III (Types of CT)	Embryology 3 rd week (Neurulation)	reak	Stimulus & Response &Type of stimuli. Stages of action potential	Concept of Degeneration and regeneration	Venue & topic mentioned at the end. Batches, Teachers &	SDL Biochemistry Biochemical role of vitamin D
	in Table No. 2	В	Ass. Prof. Dr. Mohtashar (Even)	n Prof. Dr. Ayesha (Odd)	B	Dr. Fareed (Even)	Dr. Kamil (Odd)	Venue Mentioned in Table No. 1	YMMINI D
	SGD / DISSECTION			OMY (LGIS)		BIOCHEMI	STRY LGIS	Practical & CBL	SDL Biochemistry
Monday 22-04-2024	Neurovascular organization of forearm Batches, Teachers & Venue Mentioned		Embryology 3 rd week (Neurulation)	Histology Connective Tissue-III (Types of CT)		Fluoride, Magnesium & Sulphur Copper, Zinc, Selenium, Iodine, Manganese	Vitamin D	Venue & topic mentioned at the end. Batches, Teachers & Venue Mentioned in	Fluoride, Magnesium & Sulphur Copper, Zinc, Selenium,
	in Table No. 2		Prof. Dr. Ayesha (Even)	Ass. Prof. Dr. Mohtasham (Odd)		Dr. Uzma (Even)	Dr. Aneela (Odd)	Table No. 1	Iodine, Manganese
	SGD/ DISSECTION			OMY (LGIS)		PBL SES	SSION –I	D (Le CDI	
Tuesday 23-04-2024	Elbow joint & Anastomosis around elbow joint Batches, Teachers & Venue Mentioned	Break	Embryology 4 th -8 th week of developm & Early development of CVS		Break	Muscle V	Veakness	Practical & CBL Venue & topic mentioned at the end. Batches, Teachers & Venue Mentioned in	SDL Anatomy Flexor & Extensor compartments of forearm
	in Table No. 2		Prof. Dr. Ayesha Yousaf Prof. Dr. Saima (Even)	/ Prof. Dr. Ifra Saeed/Ass. Prof. Dr. Mohtasham (Odd)		PBL	Team	Table No. 1	Torearm
	SGD/ DISSECTION			OMY (LGIS)		PHYSIOLO		Practical & CBL	
Wednesday 24-04-2024	Proximal & Distal Radioulnar joints Batches, Teachers & Venue Mentioned in Table No. 2		Histology Cartilage	Embryology 4 th -8 th week of development & Early development of CVS		Recording & propagation of action potential & factors effecting nerve conduction & hyperpolarized state	Refractory period, types of action potential. Graded potential comparison with action potential	Venue & topic mentioned at the end. Batches, Teachers & Venue Mentioned in	SDL Physiology NMJ <mark>Online SDL Evaluation</mark>)
	in Table No. 2		Prof. Dr. Ifra Saeed/Ass. Pro .Dr. Mohtasham (Even)	of Prof. Dr. Ayesha Yousaf / Prof. Dr. Saima (Odd)		Dr. Fareed (Even)	Dr Shazia (Odd)	Table No. 1	Evanuation)

						Table No	. 1 (Time: 12	2:20pm – 02	:00pm)								
Batch Di	stribution	for Practical	Topics for Skill I	ab with Venue					Schedule f	or Practic	al / Smal	Group Discus	ssion				
	ll subjects mall Grou	p Disscusion	Connective Tissu Histology Practice		Day	Histolog	gy Practical		nemistry actical			ysiology ractical	I	Physiology SGD			chemistry SGD
Biocher	nistry and	l Physiology)	Histology Labora Saqib	atory-Dr Zeneara		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teache Name
Sr. No	Batch	Roll No.	Xanthoproteic To (Biochemistry Properties) Biochemistry La	actical) Venue-	Monday	С		В	Dr. Rahat	QOJ	Е	Dr. Farid/Dr. Ali Zain	A	Dr. Sheena/Dr. Ali Zain	IOD	D	Dr. Uzm
1.	A	01-70	Determination of (HCT)(Physiological Physiological Ph		Tuesday	D	Supervised by HOD	С	Dr. Nayab	Supervised by HOD	A	Dr. Sheena/Dr. Nazia	В	Dr. Uzma/ Dr. Nazia	Supervised by HOD	Е	Dr. Alm
2.	В	71-140			Wednesday	Е	sed b	D	Dr. Uzma	uperv	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	uperv	A	Dr. Romessa
3.	С	141-210				В	Superv	A	Dr. Almas	S	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zain	S	С	Dr. Nay
4.	D	211-280			Saturday	A		Е	Dr. Romessa	-	С	Dr. Fahd	D	Dr. Maryam/ Dr. Afsheen		В	Dr. Rah
5.	Е	281-onwards	Topics for SGDs /	CBL with Venue			Table No. 2			enues for	Anatomy	Small Group		on SGDs / Dissect	ions		
			Physiology CBL		Batches		oll No		y Teacher				٦	Venue			
			paraesis (Physiol	ogy Lecture Hall	A		1-90	Dr. Ali Ra				Hall No.4					
			05)		В		l-180	Dr Zenear	a Saqib			l Complex No					
				L: Night Blindness	C		1-270	Dr. Kashi	Ashraf			l Complex No	. 03				
			(Venue: Lecture	Hall No 2)	D	271-	onwards	Dr. Sajjad				e Hall No.3					
												Ayesha Yousaf	•				
				Table No. 3 Batch	Distribution w	ith Venues	s and Teache	ers Name for	Problem Base	d Learnii	ng (PBL)	Sessions					
r No.	Batches	Roll No	Venue	Teach	ers	Sr No.	Batches	Roll No	1	7	Venue			Tea	achers	S	
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Farhat Jabee Physiology)	n (PGT	6.	C2	(176-210) Lecture l	Hall no.04	4 (Basemo	ent)	Dr. Na	yab Zonish (PGT)	Physic	ology)	
2.	A2	(36-70)	Lecture Hall #.04 (1s Floor Anatomy)	Prof. Dr. Ifra Sa (Professor of Ar		7.	D1	(210-24:	Execute 1	Hall no.02	2 (Basemo	ent)	Dr. Iqr	a Ayub (PGT Phy	siolog	y)	
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy	Dr. Afsheen Bat Physiology)		8.	D2	(246-280	O) Conferen	nce Room	(Baseme	nt)		nhammad Usman Physiology)			
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prof. Dr. Ayesha (Professor of Ar		9.	E1	(281-31:	New Lec	ture Hall	no.01			ımsha (PGT Physi	ology)	
5.	C1	(141-175)				10	E2	(315 onwards	Lecture 1	Hall no.0	4			vad Hassan nstrator Physiolog	`		

New Lecture Hall Complex Lecture Theater # 02

Even Roll Number

Time Table for Musculoskeletal-I Module Third Week (25-04-2024 to 08-05-2024)

DATE/ DAY	8:00 AM – 09	2:00 AM	09	2:00 AM – 09: 50 AM	09:50 AM – 10:10 AM	10:10	AM – 11:00 AM	11:00 AM - 11:20 PM	11:20	PM -12:20PM	12:20 PM - 02:00PM	Home Assignment
		RESEARCI	H CLUB ACT	TIVITY		ANA	ATOMY (LGIS)			OLOGY (LGIS)	Practical &	2
Thursday					e a k	Histology Bone I (Cells & types)	Embryology Folding of Embryo	e a k	Refractory period, types of action potential. Graded potential comparison with action potential	NMJ, Introduction concept of motor unit. Neuro muscular transmission, synthesis & fate of acetylcholine	Venue & topic mentioned at the end. Batches,	SDL Anatomy
25-04-2024		Manuscrip	ot Writing Worl	kshop	Br	Prof. Dr. Ifra Saee /Ass. Prof. Dr. Mohtasham (Even	Prof. Dr. Ayesha	Br	Dr Shazia (Even)	Prof. Dr. Samia Sarwar/ Dr Aneela (Odd)	Teachers & Venue Mentioned in Table No. 1	Wrist Joint
DATE/ DAY	8:00 AM - 9:		9:00	AM – 10:00 AM		10:00 AM – 1			11:00 AM – 1			
	QURA TRANSLA		SEER	AT MUBARIK		ANATOMY	(LGIS)		PHYSIOLOG		SDL Physiology	
Friday 26-04-2024	Imania	nt	The Sign	nificance of Seerah Studies		oryology g of Embryo	Histology Bone I (Cells & types)		ction concept of motor unit. Neuro ransmission, synthesis & fate of acetylcholine	Recording & propagation of action potential & factors effecting nerve conduction & Hyperpolarized state	Concept of Degeneration and	
20-04-2024	Moulana Abdul Wahid (Even)	Mufti Naeem Sherazi (Odd)	Mufti Naee Sherazi (Odd)	Moulana Abdul Wahid (Even)		Or. Ayesha Even)	Prof. Dr. Ifra Saeed / Ass. Prof. Dr. Mohtasham (Odd)	Sa	Prof. Dr. Samia rwar/ Dr Aneela (Even)	Dr. Fareed (Odd)	regeneration	
		SGD/	DISSECTION	N		ANA	TOMY (LGIS)				Practical &	
						Histology	Embryology				CBL	SDL
Saturday 27-04-2024	Rotches T		ction & Spottin	ig ed in Table No. 2	e a k	Fetal period	Bone II (Ossification)	e a k		NCH RMU n for Integrated Modular System	Venue & topic mentioned at the end. Batches,	Biochemistry Fluoride, Magnesium & SulphurCopper,
27-04-2024	Batches, 1	cachers & V	venue iviention	icu iii Table Ivo. 2	Br	Prof. Dr. Ayesha (Even)	Ass. Prof. Dr. Mohtasham (Even)	Br			Teachers & Venue Mentioned in Table No. 1	Zinc, Selenium, Iodine, Manganese
						Spor	ts Week 29 th April – 04 ^t	May, 2024				
		SGD/	DISSECTION	N		ANA	ATOMY (LGIS)		PBL	SESSION -II	Practical &	
						Bone II (Ossification)	Embryology Fetal period		Mus	cle Weakness	Venue & topic mentioned at	SDL Bisshamistan
Monday 06-05-2024	Batches, T		ones of Hand Venue Mention	ed in Table No. 2	Break	Ass. Prof. Dr. Mohtasham (Even)	Prof. Dr. Ayesha (Odd)	Break	I	PBL Team	the end. Batches, Teachers & Venue Mentioned in Table No. 1	Biochemistry Deficiency manifestation of thiamine
	SGD / DISSEC	CTION	BIOCHE	CMISTRY (LGIS)		AN	ATOMY LGIS		PHYSIC	DLOGY (LGIS)	Practical &	
Tuesday 07-05-2024	Wrist join	Wrist joint Vitamin D. & Sulphyr Copper		General Anatomy Joints 1(types)		SDL: Nernst Potential & RMP & Action Potential	Drugs acting on NMJ, Myasthenia Gravis, Lambart Eaton Syndrome	Venue & topic mentioned at the end.	SDL Anatomy Elbow joint			

	Dr. Aneela (Even)	Dr. Uzma (Odd)	Prof. Dr. Ayesha (Odd)	Ass. Prof. Dr. Arslan (Even)	Dr Shazia (Even)	Prof. Dr. Samia Sarwar/Dr Aneela (Odd)	Batches, Teachers & Venue Mentioned in Table No. 1 Practical & CBL Venue & topic mentioned at the end Batches, Teachers &	
	SGD/ DISSECTION	ON	ANATO	MY LGIS	PHYSI	OLOGY LGIS		
Wednesday	Dorsum of Hand, Flexor & Ext	ensor Retinacula	General Anatomy	Embryology	Drugs acting on NMJ, Myasthenia Gravis, Lambart Eaton Syndrome	SDL: Nernst Potential & RMP & Action Potential	Venue & topic mentioned at the end	SDL Physiology Nernst Potential
08-05-2024	Batches, Teachers & Venue Mentio		Joints I (Types)	Placenta	-		· ·	& RMP
			Ass. Prof. Dr. Arslan (Even)	Prof. Dr. Ayesha (Odd)	Prof. Dr. Samia Sarwar /Dr Aneela (Even)	Dr Shazia (Odd)	Teachers & Venue Mentioned in Table No. 1	& Action Potential

				ŗ	Γable No. 1	(Time: 12:	20 pm - 0	2:00pm)								
Batch D	istribution	for Practical	Topics for Skill Lab with Venue						or Practic	al / Small	Group Discus	ssion				
Skills (a	ll subjects)	Disscusion	Cartilage (Anatomy Histology Practical) Venue-Histology	Day	Histolog	y Practical	В	iochemistry Practical			logy Practical		ysiology SGD		Bioche	mistry SGD
(Biocher	mistry and	Physiology)	Laboratory-Dr Kashif Ashraf Tryptophan Test, Sakaguchi's Tes	ıt	Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name
Sr. No	Batch	Roll No.	(Biochemistry Practical) Venue-Biochemistry Laboratory • Determination of Erythrocyte	Monday	С		В	Dr. Rahat	HOD	Е	Dr. Farid/ Dr. Ali Zain	A	Dr. Sheena/Dr. Ali Zain	НОБ	D	Dr. Uzma
1.	A	01-70	Sedimentation Rate (ESR)(Physiology-Practical)	Tuesday	D	Supervised by HOD	С	Dr. Nayab	Supervised by HOD	A	Dr. Sheena/ DrNazia	В	Dr. Uzma/Dr. Nazia	by	Ľ	Dr. Almas
2.	В	71-140		Wednesday	Е	ised b	D	Dr. Uzma	uperv	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	Supervised	A	Dr. Romessa
3.	С	141-210		Thursday	В	Superv	A	Dr. Almas	S	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zain	S	С	Dr. Nayab
4.	D	211-280		Saturday	A	-	Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr. Afsheen		В	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Venue	2	Ί	Table No. 2	Batch Di	stribution and Ve	enues for	Anatomy	Small Group	Discussio	on SGDs / Dissection	ons		
			Physiology CBL: Insecticide	Batches	Ro	ll No	Ana	tomy Teacher				7	Venue			
			poisoning (Physiology Lecture Ha	11 A	01	1-90	Dr. Al	i Raza	Anaton	ny Lectur	e Hall No.4					
			05)	В	91	-180	Dr Ze	neara Saqib	New Le	ecture Ha	ll Complex No	0. 02				
			Biochemistry SGD: Minerals	С	181	1-270	Dr. Ka	ashif Ashraf	New Lo	ecture Ha	ll Complex No	o. 03				
			(Venue: Lecture Hall No 2)	D	271- 0	onwards	Dr. Sa	jjad	Anator	my Lectu	re Hall No.3					
								Superv	ised by P	rof. Dr. A	Ayesha Yousaf	•				
			Table No. 3 Bat	ch Distribution wit	h Venues ai	nd Teacher	s Name fo	or Problem Based	l Learning	g (PBL) S	Sessions					
Sr No.	Batches	Roll No	Venue	Teachers		Sr No. I	Batches	Roll No		Venu			Teac			
1.	A1	(01-35)		Dr. Farhat Jabeen (Physiology)	PGT	6.	C2	(176-210)	Lecture (Basem	e Hall no. nent)	04	Dr. Nay	yab Zonish (PGT Pl	hysic	ology)	
2.	A2	(36-70)	`	Prof. Dr. Ifra Saeed		7.	D1	(210-245)	Lecture (Basem	Hall no.	02	Dr. Iqra	a Ayub (PGT Physi	olog	y)	
3.	B1	(71-105)	Anatomy Museum (First Floor	Professor of Anatomy) Dr. Afsheen Batool (PGT Physiology)		8.	D2	(246-280)		ence Roo	m		nhammad Usman Physiology)			
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Prysiology) Prof. Dr. Ayesha Yousaf (Professor of Anatomy)		9.	E1	(281-315)		ecture Ha	ll no.01		amsha (PGT Physio)	logy)	
5.	C1	(141-175)		,	Nayab (PGT Physiology)			(315 onwards)	Lecture	Hall no.	04		vad Hassan	`		

(Demonstrator Physiology)

Table No. 6 Venues for Large Group Interactive Session (LGIS)							
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 03						
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02						

Time Table for Musculoskeletal-I Module Fourth Week (09-05-2024 to 15-05-2024)

					(0) 00 201	24 to 15-05-2024)							
DATE/ DAY	8:00 AM -	09:00 AM	09:00 AM – 09: 50 AM	09:50 AM – 10:10 AM	10:10 A	M – 11:00 AM	11:00 AM - 11:20 PM	11:20 PM -1	2:20PM	12:20 PM -02:00PM	Home Assignment		
Thursday 09-05-2024	Batches, Te	Dissection & Spoachers & Venue Ment	otting	BIOCHEMISTRY LGIS Classification & Vitamin C, Niacin & Thiamine Physical Activity Dr. Rahat (Even) Dr. Almas/ Dr Aneela (Odd) Physical Activity		Practical & CBL Venue & topic mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	SDL Anatomy Wrist joint (Online Clinical content Evaluation)						
Friday 10-05-2024	Farly Clinical Exposure (ECF)												
	MEDICINE SGD/ DISSECTION				ANA	TOMY LGIS		COMMUNITY	MEDICINE				
	0-41	-14- D-141:4:			Embryology	General Anatomy				Practical & CBL	ani		
Saturday 11-05-2024	Dr. Umer Daraz	ckets Polyarthritis Dr Iqra Ashraf	Cross Sectional Anatomy Batches, Teachers & Venue Mentioned in		Fetal membranes & multiple pregnancy	Joints II		Accidents		Venue & topic mentioned at the end Batches, Teachers &	SDL Biochemistry Niacin and Thiamin		
	(Even)	(Odd)	Table No. 2		Prof. Dr. Ayesha (Even)	Ass. Prof. Dr. Arsalan (Odd)		(Odd)	r. Maimoona (Even)	Venue Mentioned in Table No. 1	<u> </u>		
	SGD / DISSECTION					TOMY LGIS		BIOCHEMISTRY (LGIS)		Practical & CBL	İ		
Monday 13-05-2024	Palm of Hand & Facial spaces Batches, Teachers & Venue Mentioned in Table No. 2				Ass. Prof. Dr. Arsalan (Even) Prof. Dr. Ayesha (Odd)		Vitamin C, Niacin & Structure of Thiamine Amino Acids Isomerism Dr. Almas/Dr Aneela (Even) Dr. Rahat (Odd)		Venue & topic mentioned at the end Batches Teachers &	SDL Biochemistry Classification and structure of Amino acid			
		SGD/ DISSECTION		SGD/ DISSECTION		=	SURGERY LGIS		ľ	ANATOMY LGIS		Practical & CBL	SDL Anatomy Neurovascular
	Nour	ovascular Organiza		B	Tennis elbow, Fracture of Olecranon, radius,		B	Embryology Embryolog		Venue & topic mentioned at the end			
Tuesday 14-05-2024			Mentioned in Table No. 2		Dr. Junaid Khan	ulna Dr. Rana Adnan		Teratogenesis Ass. Prof. Dr. Arsalan (Even)	Prof. Dr. Saima (Odd)	Batches, Teachers & Venue Mentioned in Table No. 1	organization of Hand		
		SGD / DISSECT	TION		ARTIFICIAL INTELLIGENCE/RADIOLOGY(LGIS)			DISSECT	ΓΙΟΝ	Practical & CBL	SDL		
Wednesday 15-05-2024		ation & Dermatome weight transmis achers & Venue Ment				er limb Radiograph & use of AI Dr. Riffat Raja		Dissection &	Spotting	Venue & topic mentioned at the end Batches, Teachers & Venue Mentioned in Table No. 1	physiology Drugs acting on NMJ		

						Table No	. 1 (Time: 12	:20pm – 02:	00pm)								
Batch Distribution for Practical Skills Topics for Skill Lab with Venue						Schedule for Practical / Small Group Discussion											
(all subjects) CBL / Small Group Discussion		Bone (Anatomy Histology Practical) Venue-Histology Laboratory-Dr Sajjad		Day Histology Practical		Biochemistry Practical		Physiology Practical			Physiology SGD		Biochemistry SGD				
(Biochemi	(Biochemistry and Physiology)		Calcium & Ascorbic Acid Estimation (Biochemistry Practical) Venue-			Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name
Sr. No	Batch	Roll No.	•	Biochemistry Laboratory Determination of Differential leukocyte Count (DLC)(Physiology-Practical)	Monday	С		В	Dr. Rahat		Е	Dr. Farid/Dr. Ali Zain	A	Dr. Sheena/Dr. Ali Zain		D	Dr. Uzma
1.	A	01-70		, , , ,	Tuesday	D	НОБ	С	Dr. Nayab	НОБ	A	Dr. Sheena/ Dr. Nazia	В	Dr. Uzma/ Dr. Nazia	НОБ	Е	Dr. Almas
2.	В	71-140			Wednesday	Е	ed by	D	Dr. Uzma	vised by	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	ed by	A	Dr. Romessa
3.	С	141-210			Thursday	В	Supervised	A	Dr. Almas	Supervis	D	Dr. Maryam/Dr. Afsheen	Е	Dr. Farid/Dr. Ali Zain	Supervised	С	Dr. Nayab
4.	D	211-280			Saturday	A		Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr .Afsheen	-	В	Dr. Rahat
5.	Е	281-onwards		Topics for SGDs / CBL with Venue					Distribution and V	enues for	Anatomy S	Small Group Disc	cussion SC	Ds / Dissections			
			Physiology: NMJ, Transmission across		Batches Roll No			_	Anatomy Teacher		Venue						
				NMJ, Diseases of NMJ (Physiology	A		1-90	Dr. Ali R			y Lecture I						
				Lecture Hall 05)	В	91	-180	Dr Zenea	ra Saqib	New Le	cture Hall (Complex No. 02					
			•	Biochemistry CBL: Rickets (Venue:	С	181	1-270	Dr. Kash	Dr. Kashif Ashraf New Lecture Hall Complex No. 03								
			Lecture Hall No 2)	D 271- onwards		Dr. Sajjad		Anatomy Lecture Hall No.3									

Supervised by Prof. Dr. Ayesha Yousaf
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. Nayab (PGT Physiology)	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Jawad Hassan
			(Basement)						(Demonstrator Physiology)

No PBL Session during this week

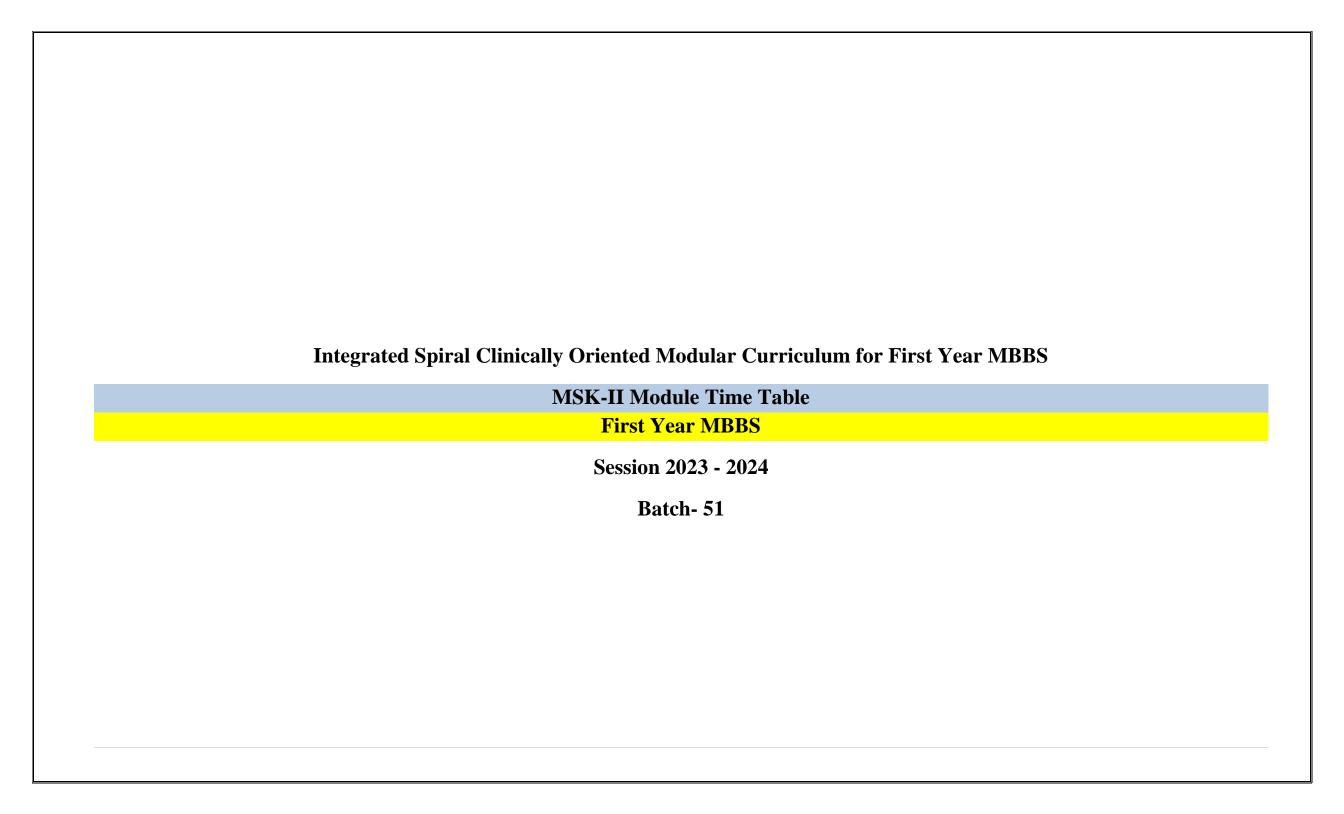
Table No. 6 Venues for Large Group Interactive Session (LGIS)						
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 03					
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02					

Time Table for Musculoskeletal-I Module Fifth Week (16-05-2024 to 25-05-2024)

Date & Day	
Thursday 16-05-2024	
Friday 17-05-2024	
Saturday 18-05-2024	
Monday 20-05-2024	
Tuesday 21-05-2024	Assessment Week
Wednesday 22-05-2024	
Thursday 23-05-2024	
Friday 24-05-2024	
Saturday 25-05-2024	

(Logistics Details of assessments will be notified separately)





MSK-II Module Team

Module Name : MSK- II Module

Duration of module : 05 Weeks

Focal Person Quran Translation

Focal Person Family Medicine

Lectures

Coordinator : Dr. Fahd Anwar Co- Coordinator : Dr. Sajjad Hussain Reviewed by : Module Committee

Dr. Fahad Anwar

Dr. Sadia Khan

1(0)	Reviewed by . Would Committee				
	Module Comm	nittee			Module Task Force Team
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Fahd Anwar (Demostrator of Physiology)
2.	Chairperson Anatomy & Dean Basic	Prof. Dr. Ayesha Yousaf	2.	DME Focal Person	Dr. Farzana Fatima
	Sciences				
3.	Director DME	Prof. Dr. Ifra Saeed	3.	Co-coordinator	Sajjad Hussain (Senior Demonstrator of Anatomy)
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Almas (Senior Demonstrator Biochemistry
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Fareed Ullah Khan (Senior Demonstrator Physiology) &
					Clinical Co- Coordinatior
6.	Focal Person Anatomy First Year	Asso. Prof. Dr. Mohtashim Hina			
	MBBS				
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.	Implementation Incharge 1st & 2 nd	Prof. Dr. Ifra Saeed
				Year MBBS	Dr. Farzana Fatima
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 Content

Block	Module	General Anatomy	Embryology	Histology	Gross Anatomy
	 Anatomy 	MusclesSkin	 Development of Axial Skeleton Development of limbs Development of muscles 	MusclesSkinSkin appendages	Gluteal Region to Lateral compartment of leg
-	Biochemistry	Protein chemi	stry, Protein separation techniques, Collagen a	nd Elastin	
II	• Physiology	 Molecular Me Introduction t Energetics, ef Physiologic at Mechanism of Introduction t Regulation of Comparison of Introduction t 	system, excitation contraction coupling mechanism of skeletal muscle contraction, Rigorn or muscle physiology, Structure of sarcomere ficiency and types of contraction, heat production atomy, types and properties of Smooth Muscle of smooth muscle contraction & its control of pericardium Properties of myocardium & enomyocardial activity f 3 types of Muscle of CVS Conducting system of heart Spiral Courses	nortis, Muscular dystrophies on in muscle	otential
	Bioethics & Professionalism		o Professional Ethics and PM&DC Code of Co	nduct	
	Behavioural Sciences	 History of Medical Ethics Communication Skills Rights and Responsibilities of patients and doctors 			
<u> </u>	Artificial Intelligence	Introduction to	o Atificial Intelligence		
	Family Medicine	Communication and consultation skills in Family Medicine Practice			
 The Holy Quran Translation Imaniat-I Ibadat-II Ibadat-III Immaniat-II Immaniat-III 					

	• Ibadat-IV	
Seerat Mubarak	Importance of Hadees and Sunnah	
	Vertical Integration	
Fractures of Lower Limb (Orthop	edics)	
x-rays of hipbone lower limb (Ra		
	Early Clinical Exposure (ECE)	
Clinical Rotations	 Cases of myopathies/ muscular dystrophy Polymyositis/Muscle atrophy Muscle enzyme interpretation Medicine	
	 Burns and Plastic Surgery Management of superficial and deep burns Surgery	
	X-Ray of Hip Bone and Hip Joint	
	 X ray of pelvis X ray of long Bones Radiology	

Categorization of Modular Content Department of Anatomy

Category A*	Catego	ry B**		Category C**	*	
Embryology	General Histology	General Anatomy	Demonstrations (SGD)	Practicals/Skill lab. (SKL)	CBL	SDL
 Development of Axial Skeleton Development of limbs Development of muscles 	- Muscles-II - Skin - Appendages	- Muscles-II - Muscles-II - Skin	Gross Anatomy: - Hip bone - Femur - Anterolateral compartment of thigh (muscles) - Anterolateral compartment of thigh (neurovascular organization) - Medial compartment of thigh - Gluteal region (muscles) - Gluteal region (neurovascular organization) - Posterior compartment of thigh (muscles) - Posterior compartment of thigh (neurovascular organization) - Hip joint - Tibia - Fibula - Popliteal fossa - Knee joint - Anterior compartment of leg(muscles) - Anterior compartment of leg(muscles) - Anterior compartment of leg (neurovascular organization) - Lateral compartment of leg Surface marking and radiology	 Skeletal muscles Smooth muscle and cardiac muscle Thick skin Thin skin 	- Hip Dislocation - Fracture of neck of femur	 Hip bone Femur Anterolateral compartment of thigh Medial compartment of thigh Gluteal region Posterior compartment of thigh Hip joint, Tibia & Fibula

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
2.	Associate professor of Anatomy department	01
3.	Assistant professor of Anatomy department (AP)	01
4.	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 * 13 = 26 hours
2.	Small Group Discussions (SGD)	2*21=42 hours
3.	Case Based Learning (CBL)	2* 2 = 4 hours
4.	Practical / Skill Lab	1.5 * 20 = 30 hours

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	1 * 13 = 13 hours
2.	Small Group Discussions (SGD)	2*21=42 hours
3.	Case Based Learning (CBL)	2* 2 = 4 hours
4.	Practical / Skill Lab	1.5 * 4 = 6 hours
5.	Self-Directed Learning (SDL)	1 * 8= 8 hours

Department of Physiology

Category A	Category B	Category C
Sarcotubular system, excitation contraction coupling mechanism inskeletal muscle (Prof. Dr. Samia Sarwar/Dr Aneela) (Even)	Introduction to pericardium Properties of myocardium & endocardium, myocardial action potential (By Dr. Sidra)	Length tension curve, Load and velocity of contraction, diseases of muscle (By Dr. Nayab) Properties of skeletal muscles, Tetanus & Fatigue (By Dr. Nayab)
Molecular Mechanism of skeletal muscle contraction, Rigormortis, Muscular dystrophies (Prof. Dr. Samia Sarwar/ Dr Aneela) (Even)	Regulation of myocardial activity (By Dr Sidra) Introduction to muscle physiology, Structure of sarcomere (By DrAneela) (Even)	Practical: 1. Determination of RBC count 2. Determination of TLC 3. Determination of Platelet Count 4. Determination of ABO, Blood groups SGD: 1. Sliding filaments of skeletal muscle, sarcotubular system 2. Physiology of smooth muscle, mechanism of smooth muscle contraction 3. Properties of myocardium, myocardial action potential, Excitatory and conduction system of heart 4. Comparison of three types of muscle
	Physiologic anatomy, types and properties of Smooth Muscle (ByDr Aneela)	 SDL: (ON CAMPUS) Sarcotubular system, excitation contraction coupling mechanism in skeletal muscle Molecular Mechanism of skeletal muscle contraction, Rigor mortis, Muscular dystrophies Length tension curve, Load and velocity of contraction, diseases of muscle Physiological properties and types of Smooth Muscle Mechanism of smooth muscle contraction & its control Regulation of myocardial activity Excitatory & Conducting system of heart Comparison of 3 types of muscle
	Mechanism of smooth muscle contraction & its control (By DrAneela)	
	Comparison of 3 types of Muscle (By Dr Aneela)	

Introduction to muscle physiology, Structure of sarcomere (By DrUzma) (Odd) Sarcotubular system, excitation contraction coupling mechanism inskeletal muscle (By Dr Uzma)	 SDL: (OFF CAMPUS) Introduction to muscle physiology, Structure of sarcomere Sarcotubular system, excitation contraction coupling mechanism in skeletal muscle Mechanism of skeletal muscle contraction. Rigor mortis, Muscular dystrophies Energetics, efficiency and types of contraction Properties of skeletal muscles, Tetanus & Fatigue Physiological properties of Smooth Muscle Myocardial Action potential
(Odd) Molecular Mechanism of skeletal muscle contraction, Rigormortis, Muscular dystrophies (By Dr Uzma)(Odd)	
Energetics, efficiency and types of contraction, heat production in muscle (By Dr Uzma)	
Introduction to CVS (By Dr Fahad) Excitatory & Conducting system of heart (By Dr Fahad)	PBL=NIL CBL=NIL

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 (DME)
4.	Demonstrators of Physiology department	07

Contact Hours (Faculty)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	13 * 2 = 26 hours
2.	Small Group Discussions (SGD) / (CBL)	20 * 1.5=30 hours
3.	Practical / Skill Lab	20 * 1.5 = 30 hours

Department of Biochemistry

Category A*	Category B**			Category C***	
LGIS	LGIS	PBL	CBL	Practical's	SGD
Protein folding and denaturation	Properties of amino acids and important peptides Classification of protein and function of protein		Protein folding and misfolding Alpha -1 Antitrypsin deficiency	 Color tests for detection of proteins Detection of proteins by Isoelectric pH 	Protein structure
Collagen and elastin	Primary sturcutres of protiens Secondary structure of protein			Fractional precipitation of proteins	Collagen
Techniques of separation of protein	Tertiary and quarternary structure of proteins			Chromatography	Elastin

Category A*: By Assistant Professor and Senior Demonstrator with Postgraduate Qualification.

Category B**: By Senior Demonstrators

Category C***: By Senior Demonstrators and 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	01
2.	Demonstrators of biochemistry department	06

Contact Hours (Faculty)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	5 * 2 = 10 hours
2.	Small Group Discussions (SGD)	6 * 5 = 30 hours
3.	Case Based Learning (PBL)	2 * 1 = 2 hours
4.	Practical / Skill Lab	6 * 5 = 30 hours

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	5
2.	Small Group Discussions (SGD)	6
3.	Case Based Learning (PBL)	02
4.	Practical / Skill Lab	6
5.	Self-Directed Learning (SDL)	08

Time Table For Module MSK-II (First Week) (27-05-2024 To 01-06-2024)

D / /D			0.00 135 11.20	A 3-4	(2. 00 202	11 20 4			11 40 ANT 12 20 DAT		12.20 2.00	
Date/Day			8:00 AM - 11:20	AM			11;20 A	M - 11:40 AM		11:40 AM - 12:30 PM		12:30pm – 2:00pm	Home Assignment
Monday 27-05-2024			LMS Based Assessment	of Block - I			В	rea k		PBL 1 (Session-I) PBL Team		Practical & SGD/CBL Topics & venue mentioned at the end	SDL Physiology Sarcotublar system, excitation contraction coupling mechanism in skeletal muscle
Date/Day	8:00 AM -	09:00 AM	09:00 AM – 10:00 AM	10:00am – 10:20am		10:20am-11:20am		1		n-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
Tuesday 28-05-2024	Biochemistry LGIS PBL 1 (Session-II) Properties of Collagn structure, important synthesuis and peptides related disorders Dr. Rahat Even Dr. Aneela Odd		K	(Muscle I) (Skeleta		Histology keletal Muscle) Assoc. Prof.	Introduction to r physiology,Stru ofsarcomer Dr Aneela (Even)	muscle acture re	ogy LGIS Introduction to muscle physiology, Structure of sarcomere Dr. Uzma (Odd)	K	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Physiology Molecular Mechanism of skeletal muscle contraction rigor mortis, Muscular dystrophies	
		SGD/Dissec	otion		Anatomy LGIS			(/	Dhysiol	ogy LGIS			dystropines
Wednesday 29-05-2024	Hip bone		e a			eneral Anatomy (Muscle I)	Sarcotubular sy excitation contra coupling mechan skeletal muse	rstem, raction nism in cle	Sarcotubular system, excitation contraction coupling mechanism in skeletal muscle	e a	Practical & SGD/CBL Topics & venue	SDL Biochemistry Classification of proteins	
				Ţ	Dr Mohta	Assoc. Prof. Dr Mohtasham Even Assoc. Prof. Assoc. Prof. Dr Arsalan		Prof. Dr. Sam Sarwar/ Dr Ane (Even)	eela	Dr. Uzma (Odd)	-	mentioned at the end	
		CBL/Dissec	etion		Radiology		У			Physiology LGIS			SDL
Thursday 30-05-2024		B			Bone	Molecular Mech of skeletal mu contraction ri mortis, Muscu dystrophies	iscle igor ular	Molecular Mechanism of skeletal muscle contraction rigor mortis, Muscular dystrophies	B	Practical & SGD/CBL Topics & venue mentioned at the end	Biochemistry Introduction to proteins and amino acids		
					Dr. Qurat V (Odd) Dr.	Aneeqa (Even)	Prof. Dr. Samia S Dr. Aneela (Ev	ven)	Dr. Uzma (Odd)			
Date/Day	8:00 AM - 09		09:00AM – 10:00 AM			M – 11:00 AM		1		- 12:00 PM			
Friday	CBL / Disse	Iı	Seerat Mubarak mportance of Hadees and Sunnah	General A	Anatomy		stology Smooth Muscles)	Communicatio	n and cor	Medicine nsultation skills in Family ne Practice	\$	SDL Anatomy Hip bone.	
31-05-2024	Femur		Molana Abdul Wahid	Assoc. Dr Arsala	an (Even)	Dr Mohta	oc. Prof. asham (Odd)	Г	Or. Sadia	Azam Khan		riip oone.	
		SGD / Disse	ction			Biochemistry I				ogy LGIS	k		
Saturday 01-06-2024		Femur / Patella		Collagn structure, Proper synthesuis and acids related disorders		perties of amino ids & important peptides	Length tension cu Load and velocity contraction, disea muscle	y of ases of	ve, Energetics, efficiency and types of contraction, heat production in muscle		Practical & SGD/CBL Topics & venue mentioned at the end	SDL Anatomy Femur	
					Dr. Aneela	Even Dr. R	Rahat Odd	Dr. Nayab Ev	ven	Dr. Uzma Odd			

				Т	able No. 1	(Time: 12:2	0pm – 02	:00pm)								
Batch D	istribution	for Practical	Topics for Skill Lab with Venue					Schedule for	r Practic	al / Small	Group Discus	ssion				
CBL / Si		Disscusion	Anatomy Histology Practical: Skeletal Muscles (Dr. Kashif)	Day Histology Practical			chemistry Practical		Physiol	ogy Practical	Ph	Physiology SGD			emistry SGD	
(Biochei	nistry and	Physiology)	Physiology Practical: Determination of Red blood cell count		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name
Sr. No	Batch	Roll No.	Biochemistry Practical: Color tests for detection of proteins	Monday	С		В	Dr. Rahat	Ю	Е	Dr. Farid/ Dr. Ali Zain	A	Dr. Sheena/Dr. Ali Zain	(OD	D	Dr. Uzma
1.	A	01-70		Tuesday	D	у НОБ	С	Dr. Nayab	sed by HOD	A	Dr. Sheena/ DrNazia	В	Dr. Uzma/Dr. Nazia	Supervised by HOD	Е	Dr. Almas
2.	В	71-140		Wednesday	Е	ised b	D	Dr. Uzma	Supervised	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	uperv	A	Dr. Romessa
3.	С	141-210		Thursday	В	Supervised by	A	Dr. Almas	S	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zain	S	С	Dr. Nayab
4.	D	211-280		Saturday	A		Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr. Afsheen		В	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Venue		T	able No. 2 I	Batch Dist	ribution and Ve	enues for	Anatomy	Small Group	Discussion	on SGDs / Dissection	ons		
			 Physiology SGD: Sliding filaments 	Batches	Ro	ll No	Anato	my Teacher					Venue			
			of skeletal muscle, sarcotubular	A		-90	Dr Sajja		New L	ecture the	atre complex	no.2				
			system (Lecture Hall 5)	В		-180	Dr Ali l				e Hall No.03					
			Biochemistry SGD: Protein	C 181-270			Dr Zene			-	e Hall No.04					
			structure	D	271- c	onwards	Dr Qura	at ul Ain	New L	ecture the	atre complex	no.3				
			 Anatomy CBL: Fracture Neck of Femur Table No. 3 Batch D 					•			yesha Yousaf					

	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. Nayab (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 # 03									
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02									

Time Table For Module MSK-II (Second Week) (03-06-2024 To 08-06-2024)

						05-00-2024 10 00-	00 2021)				
Date/Day	8:00am-9:00am	9:00am	– 10:00am	10:00am - 10:20am	10:2	20am-11:20am	11:	20am-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
	SO	GD / Dissection		10.20am	Ar	natomy LGIS	Ph	ysiology LGIS			
Monday 03-06-2024		ral compartmen leurovascular oi			Histology (Cardiac & Smoot Muscles)	General Anatomy (Muscle II)	Energetics, efficiency types of contraction, h production in musc	neat Load and velocity of		Practical & SGD/CBL Topics & venue mentioned at the end	SDLPhysiology Rigor mortis, Muscular dystrophies
					Assoc. Prof. Dr Mohtasham Ev	Assoc. Prof. Ven Dr Arsalan Odd	Dr. Uzma Even	Dr. Nayab Odd		mentioned at the end	dystropines
	SGD / Dissection	Anato	my LGIS			hemistry LGIS		ysiology LGIS			
Tuesday		Embryology (Development of Axial Skeleton)	Histology (Skin)	Ä	Classification and functions of protein	Elastin structure and related disorders	Properties of skeletal muscles, Tetanus & Fa	tigue Introduction to CVS	4	Practical & SGD/CBL	SDL Physiology Length tension curve, Load and
04-06-2024	Dissection	Prof. Dr Ayesha Even	Assoc. Prof. Dr. Mohtasham Odd	е 9	Dr. Rahat Even	Dr. Aneela / Dr. Uzma Odd	Dr. Nayab Even	Dr. Fahd Odd	e a	Topics & venue mentioned at the end	velocity of contraction, diseases of muscle
	SGD / Dissection		<u> </u>		hemistry LGIS	Ph	ysiology LGIS	-		SDL	
Wednesday 05-06-2024	Medial (f thigh	B	Elastin structure an related disorders	d Classification and functions of proteins	Introduction to CVS	Properties of skeletal muscles, Tetanus & Fatigue	\mathbf{B}	Practical & SGD/CBL Topics & venue	Biochemistry Collagen and related	
		-		Dr. Aneela Dr. Uzma Even	Dr. Rahat Odd	Dr. Fahd Even	Dr. Nayab Odd		mentioned at the end	disorders	
	SC	GD / Dissection				natomy LGIS	Ph	ysiology LGIS			SDL
Thursday 06-06-2024		Dissection			Histology (Skin)	Embryology (Development of Axial Skeleton)	Physiologic anatomy, types and properties of Smooth muscle	Introduction topericardium Properties of myocardium & endocardium myocardial action		Practical & SGD/CBL Topics & venue	Biochemistry Secondary Structure of
				Assoc. Prof. Di Mohtasham Eve	Prof. Dr Ayesha	Dr. Aneela (Even)	potential Dr. Sidra Odd		mentioned at the end	protiens	
DATE/ DAY		0 AM – 10:00 AN			10:00 AM -			AM – 12:00 PM			
Friday		GD / Dissection			Anatomy Histology	Embryology (Development of limbs)	Qui Imaniat-I	ran Translation Ibadat-II		OL Anatomy I compartment of thigh	
07-06-2024		Gluteal Region (muscles)		A	n appendages) ssoc. Prof. ohtasham Even	Prof. Dr Ayesha Odd	Mufti Naeem Sherazi	Even Molana Abdul Waahid Abbasi Odd	_		
	SC	GD / Dissection				natomy LGIS	Ph	ysiology LGIS			
Saturday 08-06-2024	Gluteal Region (Neurovascular organization)		reak	Embryology (Development of limbs)	appendages)	Introduction topericard Properties of myocardi & endocardium myoca action potential	um types	reak	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Anatomy Medial Compartment of thigh	
		(reurovascurai organization)		anai organization)	Prof. Dr Ayesha Even	a Assoc. Prof. Dr Mohtasham Odd	Dr. Sidra Even	Dr. Aneela Odd	B	mondoned at the clid	ungn

Datch Di	stribution f	or Practical	Topics for Skill Lab with Venue					Schedule for	r Practica	al / Small	Group Discus	sion			
	l subjects) nall Group	Disscusion	Anatomy Histology Practical: Smooth and cardiac muscles (Dr.	Day	Histology	Practical		ochemistry Practical		Physiol	ogy Practical	Phy	vsiology SGD	Bioche	mistry SGI
(Biochen	nistry and I	Physiology)	Kashif) • Physiology Practical: Determination		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name
Sr. No	Batch	Roll No.	of Total leukocyte Count (TLC) • Biochemistry practical: Detection of proteins by Isoelectric pH	Monday	С		В	Dr. Rahat	OD	Е	Dr. Farid/ Dr. Ali Zain	A	Dr. Sheena/Dr. Ali Zain	D	Dr. Uzm
1.	A	01-70		Tuesday	D	Supervised by HOD	С	Dr. Nayab	Supervised by HOD	A	Dr. Sheena/ DrNazia	В		E E	Dr. Alma
2.	В	71-140		Wednesday	Е	ised by	D	Dr. Uzma	upervi	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	A A	Dr. Romessa
3.	С	141-210		Thursday	В	Superv	A	Dr. Almas	Š	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zain	C	Dr. Naya
4.	D	211-280		Saturday	A		Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr. Afsheen	В	Dr. Raha
5.	Е	281-onwards	Topics for SGDs / CBL with Venue						enues for	Anatomy	Small Group		on SGDs / Dissections		
			 Physiology SGD: Physiology of 	Batches	Roll			omy Teacher					⁷ enue		
			smooth muscle, mechanism of	A	01-		Dr Sajj				atre complex n	10.2			
			smooth muscle contraction	В	91-1		Dr Ali		Anatomy Lecture Hall No.03						
			• (Lecture Hall 5)	C 181-270 Dr Zeneara				Anatomy Lecture Hall No.04							
			Biochemistry CBL: Protein folding	D	271- on	ıwards	Dr Qur	at ul Ain	New Lecture theatre complex no.3						
			and misfolding								yesha Yousaf				
ı		T	Table No. 3 Batch						Learning						
Sr No.	Batches	Roll No	Venue	Teachers			tches C2	Roll No (176-210)		Venu			Teacher		
1.	A1	(01-35)		cture Hall no.05 Physiology Dr. Sana Latif (Demostrator Biochemistry)					Lecture Hall no.04 (Basement)			Dr. Nayab Zonish (PGT Physiolo			
_									_ `						
2.	A2	(36-70)	Anatomy) (De	Farah monstrator of Ph		7.	D1	(210-245)	_ `	Hall no.0)2	Dr. Iqra	Ayub (PGT Physiolo	gy)	
3.	A2 B1	(36-70) (71-105)	Anatomy) (De Anatomy Museum (First Floor Dr.	Farah			D1 D2	(210-245) (246-280)	Lecture (Basem	Hall no.(ent) ence Roor		Dr. Mu	Ayub (PGT Physiolo hammad Usman hysiology)	gy)	
		, ,	Anatomy) (De Anatomy Museum (First Floor Anatomy) Dr. Biod Lecture Hall no.03 (First Floor) Prof	Farah monstrator of Ph Rohina Khalid (De	emostrator saf	8.		, , , , ,	Lecture (Basem Confere (Basem	Hall no.(ent) ence Roor	n	Dr. Mul	hammad Usman		
3.	B1	(71-105)	Anatomy) (De Anatomy Museum (First Floor Anatomy) Biod Lecture Hall no.03 (First Floor) Prof	Farah monstrator of Ph Rohina Khalid (De chemistry) T. Dr. Ayesha Yous	emostrator saf	8.	D2 E1	(246-280)	Lecture (Basem Confere (Basem New Le	Hall no.(ent) ence Roor ent)	n 1 no.01	Dr. Mul (PGT P Dr. Ran	hammad Usman hysiology)		
3.	B1 B2	(71-105)	Anatomy) (De Anatomy Museum (First Floor Anatomy) Biod Lecture Hall no.03 (First Floor) Prof	Farah monstrator of Ph Rohina Khalid (De chemistry) . Dr. Ayesha Yous fessor of Anatomy	emostrator saf y) vsiology)	8.	D2 E1 E2	(246-280) (281-315)	Lecture (Basem Confere (Basem New Le	Hall no.(ent) ence Roor ent) ecture Hal	n 1 no.01	Dr. Mul (PGT P Dr. Ran	hammad Usman hysiology) msha Zafar (PGT Phy ad Hassan		
3.	B1 B2	(71-105)	Anatomy) (De Anatomy Museum (First Floor Anatomy) Biod Lecture Hall no.03 (First Floor) Prof (Pro Lecture Hall no.05 (Basement) Dr.	Farah monstrator of Ph Rohina Khalid (De chemistry) . Dr. Ayesha Yous fessor of Anatomy	saf // // // // // // // No	8. 9. 10 PBL in this	D2 E1 E2 s week	(246-280) (281-315) (315 onwards)	Lecture (Basem Confere (Basem New Le	Hall no.(ent) ence Roor ent) ecture Hal	n 1 no.01	Dr. Mul (PGT P Dr. Ran	hammad Usman hysiology) msha Zafar (PGT Phy ad Hassan		

New Lecture Hall Complex Lecture Theater # 02

Odd Roll Numbers Even Roll Number

Table No. 1 (Time: 12:20pm – 02:00pm)

Time Table For Module MSK-II (Third Week) (10-06-2024 To 15-06-2024)

				(-	0-00-2024 10 1	10 00 2021)				
Date/Day	8:00 am	n – 10:00 am	10:00am – 10:20am	10:20	am-11:20am	11:20a	nm-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
Monday 10-06-2024	08:00 AM – 09:00 AM SGD / Dissection Dissection	Dissection PBL 2 (Session-I) Dissection PBL Team PBL Team Embryology (General (Development of Muscles) Skin) Prof. Dr Ayesha Assoc. Prof. Dr Arsalan Compared to the professional Even Prof. Dr Arsalan Even Prof. Dr Arsa		of Anatomy of Skin)	Mechanism of smooth muscle contraction & its control DrAneela Even	Regulation of myocardial activity Dr. Sidra Odd	k	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Physiology Physiologic anatomy, types and properties of Smooth muscle	
Tuesday 11-06-2024	Posterior compartment of thigh (muscles)		r e a	Biochemistry LGIS Primary protein structure Protein folding and misfolding Dr. Rahat Even Dr. Kashif (odd)		Regulation of myocardial activity DrSdra Odd Dr. Aneela Odd Dr. A		r e a	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Physiology Mechanism of smooth muscle contraction & its control
Wednesday 12-06-2024	SGD / Dissection Posterior compartment of thigh (Neurovascular organization)		B	Anatomy LGIS (General Anatomy of Skin) Assoc. Prof. Dr Arsalan Even Anatomy LGIS Embryology (Development of Muscles) Prof. Dr Ayesha Odd		Excitatory &Conducting system ofheart Dr. Fahd Even	Comparison of 3 types of muscle Dr. Aneela Odd	B	Practical & SGD/CBL Topics & venue mentioned at the end	Biochemistry Protein misfolding disorders
Thursday 13-06-2024					Early Clinical Exp	osure				Biochemistry Protein Denatureration
Date/ Day	08:00AM- 09:00AM	9:00 AM – 10:00 AM		10:00 AM - 11:0	00 AM	11:00 A	M – 12:00 PM			
Friday 14-06-2024	SGD/ Dissection Biochemistry LGIS Protein folding and misfolding			Quran Tranla adat-II m Sherazi Even	Imaniat -I Molana Abdul Waahid Abbasi Odd	Topics & venue	l & SGD/CBL mentioned at the end. atch (13-06-2024)		DL Anatomy uteal Region	
Saturday 15-06-2024	CBL / Dissection		Break	Protein separati techniques Dr. Kashif Eve	on Secondary protein structure	Comparison of 3 types of muscle Dr. Aneela Even	Excitatory &Conducting system of heart Dr. Fahd Odd	Break	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Anatomy Posterior compartment of thigh Online Clinical evaluation

				Т	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		Disscusion	 Anatomy Histology Practical: Thick Skin (Dr. Kashif) 	Day Histology Practical			chemistry ractical		Physiol	ogy Practical	Ph	ysiology SGD		Bioche	mistry SGD	
(Bioche	mistry and	Physiology)	 Physiology Practical: Determination of platelet count 		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name			Teacher Name
Sr. No	Batch	Roll No.	Biochemistry Practical: Fractional precipitation of proteins	Monday	С		В	Dr. Rahat	НОД	Е	Dr. Farid/ Dr. Ali Zain	A	Dr. Sheena/Dr. Ali Zain	IOD	D	Dr. Uzma
1.	A	01-70		Tuesday	D	у НОБ	С	Dr. Nayab	by	A	Dr. Sheena/ DrNazia	В	Dr. Uzma/Dr. Nazia	sed by HOD	Е	Dr. Almas
2.	В	71-140		Wednesday	Е	ised by	D	Dr. Uzma	Supervised	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	Supervised	A	Dr. Romessa
3.	С	141-210		Thursday	В	Supervised	A	Dr. Almas	Š	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zain	Š	С	Dr. Nayab
4.	D	211-280		Saturday	A		Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr. Afsheen		В	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Venue		Ta	ble No. 2 E	Batch Dist	ribution and Ve	enues for	Anatomy	Small Group	Discussion	on SGDs / Dissection	ons		
			 Physiology SGD: Properties of 	Batches	Roll	No		my Teacher					Venue			
			myocardium, myocardial action	A	01-		Dr Sajja				atre complex i	10.2				
			potential, Excitatory and	В	91-		Dr Ali				e Hall No.03					
			conduction system of heart	C	181-		Dr Zene			-	e Hall No.04					
			 (Physiology Lecture 05) Biochemistry SGD: Collagen Anatomy CBL: Hip Dislocation 	D 271- onwards Dr Qurat ul Ain New Lecture theatre complex no.3 Supervised by Prof. Dr. Ayesha Yousaf												

			Table No. 3	3 Batch Distribution with Venues a	nd Teach	ners 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 (Demostrator	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 Physiology)				(Basement)	
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid (Demostrator	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman
			Anatomy)	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 Zafar (PGT Physiology)
				(Senior Demonstrator of Anatomy)					
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 # 03
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02

Eid Ul Adha & Summar Vacations	17 June 2024 to 21 July 2024

Time Table For Module MSK-II (Fourth Week) (22-07-2024 To 27-07-2024)

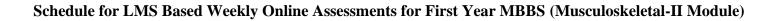
		10.10		(·	<i>3 21-01-2024)</i>				**
Date/Day	8:00 am – 10:10 am	10:10am – 10:30am		10:30am-11:20am		11:20am-1	2:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
	SGD / Dissection		В	iochemistry LGI	S	Behavioral	Sciences			
			Protein folding denaturation	g & Tertiary	and quaternary tructure	Communica			Practical &	SDL Physiology
Monday 22-07-2024	Fibula		Dr. Aneela Dr. Uzma ev	/	Rahat odd	Dr. Sadia	a Yasir		SGD/CBL Topics & venue mentioned at the end	Regulation of Myocardial Activity
	SGD / Dissection			Orthopedics		Biochemis	try LGIS			SDL
Tuesday 23-07-2024	Popliteal Fossae	a k	Frac	tures of Lower L	imb	Tertiary and quaternary structure	Protein denaturation	a A	Practical & SGD/CBL Topics & venue	Physiology Excitatory & Conducting
23-07-2024		r e	Dr. Muhamma Hassan (Odd		ahman Rasool tar (Even)	Dr. Rahat Even	Dr. Aneela Dr. Uzma Odd	e L	mentioned at the end	system of heart Comparison of 3 types of muscle
	SGD / Dissection	B				Biomedica	al Ethics	e	Practical &	
Wednesday 24-07-2024	Knee joint]	Physical Activity	7	Introduction to Professional of Con			SGD/CBL Topics & venue	SDL Anatomy Tibia, Fibula
	Knee joint					Dr. Aneela Even	Dr. Kashif Odd		mentioned at the end	Tibia, Fibuia
	SGD / Dissection		Ar	tificial Intelligen	ice	Family M			Practical &	SDL
Thursday 25-07-2024	Anterior compartment of leg (muscles and neurovascular		Introduction	on to Artificial Ir	ntelligence	Communication and cons Medicine			SGD/CBL Topics & venue	Biochemistry Importance of
20 07 202 .	organization)		Pro	of. Dr. Riaz Ahm	ned	Dr. Sadia A	zam Khan		mentioned at the end	variousclasses of protein
Date/ Day	8:00 AM – 09:00 AM	09:00 AM -		10:00 AM -		11:00 AM –				
	SGD / Dissection	Quran T	ranlation	Quran Tı		PBL 2 (Se	ssion-II)			
Friday 26-07-2024	Lateral compartment of leg (muscles and neurovascular organization)	Ibadat-III Molana Abdul Waahid (Even)	Immaniat-II Mufti Naeem Sherazi (Odd)	Ibadat-IV Molana Abdul Waahid (Even)	Immaniat- III Mufti Naeem Sherazi (Odd)	PBL T			SDL Biochemistry Elastin and relateddisor	ders
	SGD / Dissection	ᅩ	Be	havioural Science	ces	Biomedica	al Ehtics	7	``	
Saturday 27-07-2024	Cross Sectional Anatomy / Radiology	r e a l	Rights and responsibilitie patients and do	s of respo ctors patient	ights and nsibilities of ts and doctors	History of Me		r e a l	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Anatomy Hip joint, Knee Joint
		B	Dr. Mehboob Shah (Odd		Iehmood Ali (Even)	Dr. Arsalan (Even)	Dr. Maria (Odd)	8		Joint

					_ т	abla Na 1	(Time: 12:2	00nm 00	:00nm)								
Dotals F	Ni stuile esti sur	San Duantinal	Topics for Skill Lab with Ven		1	able No. 1	(11me: 12:2	20pm – 02		n Das eti e	-1 / C11	Casar Disass					
	Distribution in all subjects)	for Practical	-	-	Davi	Histology	y Practical	D:	schemistry	or Practica		Group Discus		ysiology SGD	I	Diocho	mistry SGI
		Disscusion	 Anatomy Histology Practical Skin (Dr. Kashif) 	: Inick	Day	Histology	y Practical		Practical		Physioi	ogy Practical	PII	ysiology SGD		Diocile	illistry SGI
		Physiology)	` ′	instian		Batch	Teacher	Batch	Teacher	-	Batch	Teacher	Batch	Teacher Name		Batch	Teacher
(Bloche	inistry and	inysiology)	 Physiology Practical: Determ of ABO, Blood groups 	illiation		Daten	Name	Daten	Name		Daten	Name	Daten	Teacher Ivallie		Daten	Name
Sr. No	Batch	Roll No.	Biochemistry Practical:	-	Monday	С	Tvarric	В	Dr. Rahat		Е	Dr. Farid/	A	Dr. Sheena/Dr.		D	Dr. Uzma
51.110	Butch	Ron 110.	Chromatography		William				Dr. Runat		L	Dr. Ali	7.1	Ali Zain			Di. Czinc
			Cinomatography							10		Zain					
1.	A	01-70		•	Tuesday	D		С	Dr. Nayab	by HOD	Α	Dr.	В	Dr. Uzma/Dr.	by HOD	Е	Dr. Alma
					·		НОБ		•	d b		Sheena/		Nazia	d b		
							by I			Supervised		DrNazia			Supervised		
2.	В	71-140			Wednesday	E	, d	D	Dr. Uzma	erv	В	Dr. Uzma/	С	Dr. Fahd	erv	Α	Dr.
				-			/ise			dnş		Dr. Farhat			dn,		Romessa
3.	C	141-210			Thursday	В	Supervised	A	Dr. Almas		D	Dr.	Е	Dr. Farid/ Dr.		C	Dr. Nayal
							Sul					Maryam/		Ali Zain			
												Dr.					
	D	211-280	-	-	Cotumdor	Λ		Е	Dr. Romessa	4	С	Afsheen Dr. Fahd	D	Du Manyam/	-	В	Dr. Rahat
4.	р П	211-280			Saturday	A		E	Dr. Komessa		C	Dr. Fand	D	Dr. Maryam/ Dr. Afsheen		ь	Dr. Kanat
5.	E	281-onwards	Topics for SGDs / CBL with Ve	enile		Т	able No. 2	Ratch Dis	tribution and Ve	enues for	Anatomy	Small Group	Discussion	on SGDs / Dissection	ons		
	<u> </u>	201 onwards	Physiology SGD: Compariso		Batches		ll No		my Teacher	indes for	rinacomy	Sman Group		Venue	J115		
			three types of muscle (Physic		A		-90	Dr Saii		New Le	ecture the	atre complex i		,			
			Lecture 05)	23	В	91-	-180	Dr Ali	Raza	Anaton	ny Lectur	e Hall No.03					
			Biochemistry CBL: Alpha-1	•	С	181	-270	Dr Zen	eara	Anaton	ny Lectur	e Hall No.04					
			Antitrypsin Deficiency	•	D	271- о	nwards	Dr Qur	at ul Ain	New Lo	ecture the	atre complex i	10.3				
									Superv	ised by P	rof. Dr. A	yesha Yousaf					
				Batch Di					Problem Based	Learning	g (PBL) S	essions					
Sr No.	Batches	Roll No	Venue		Teachers		Sr No. B	atches	Roll No		Venu			Teac			
1.	A1	(01-35)			Latif (Demostra	tor	6.	C2	(176-210)		Hall no.	04	Dr. Na	yab Zonish (PGT P	hysi	ology)	
		1		Biochemi	istry)					(Basem	ent)		1				

			1 4010 110.	Bateli Bistilbation with vendes	and react	icis i tailic i	or recording Duseu	Ecarining (1 BE) Bessions	
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 (Demostrator	6.	C2	(176-210)	Lecture Hall no.04	Dr. Nayab Zonish (PGT Physiology)
			1	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 Physiology)				(Basement)	
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Rohina Khalid (Demostrator	8.	D2	(246-280)	Conference Room	Dr. Muhammad Usman
			Anatomy)	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 Zafar (PGT Physiology)
				(Senior Demonstrator of Anatomy)					
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)
	<u> </u>		·	1	I DDI '	.1 1	•	·	

No PBL in this week

Table No. 6 Venu	es for Large Group Interactive Session (LGIS)
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 03
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02

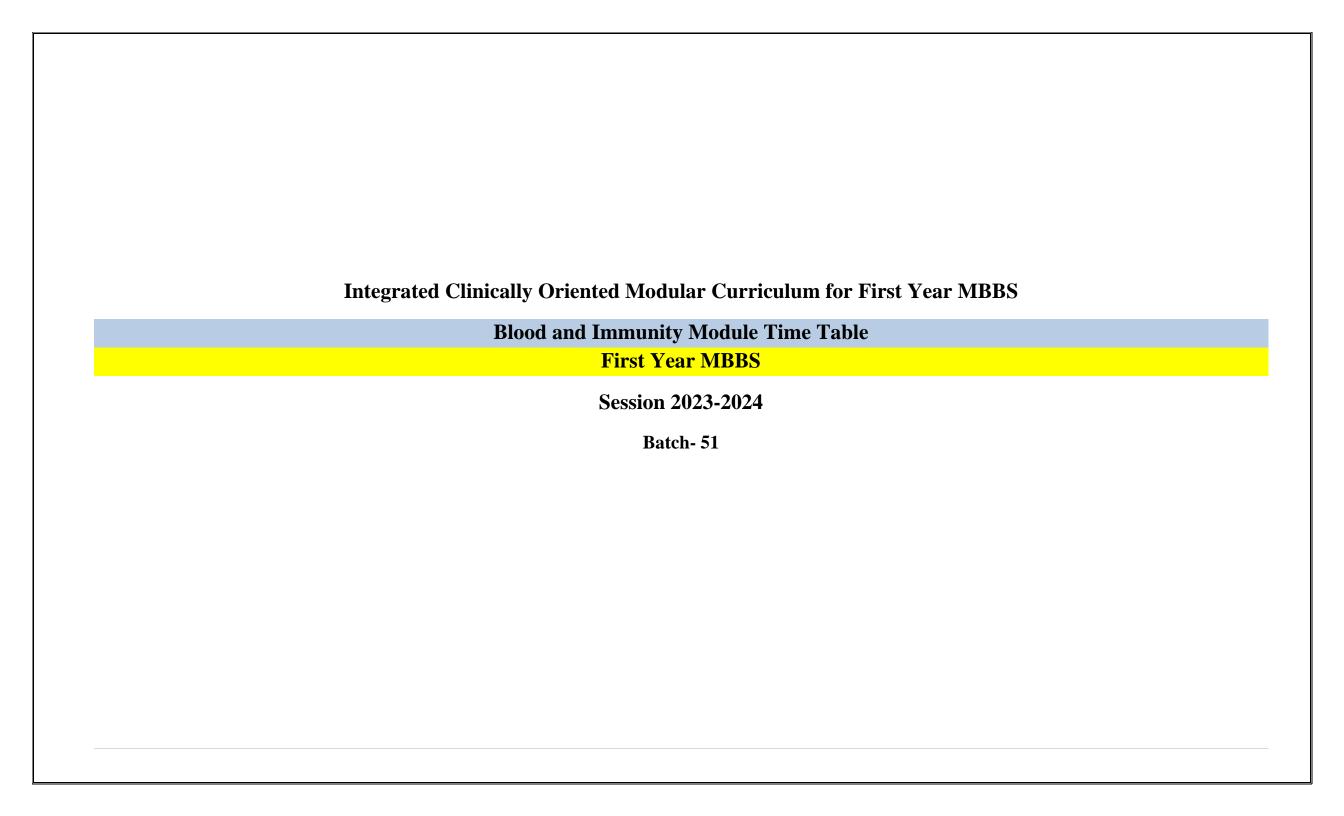


The online assessment for Musculoskeletal -II Module for First Year MBBS will be as per following schedule:

Class	Module	Day & Date	Time of Assessment	Focal person	Department Responsible
		Monday 3 rd June,2024	7:00 pm-7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 4 th June,2024	7:00 pm-7:30pm	Prof. Dr Samia Sarwar	Physiology
First Year	MSK-II	Wednesday 5 th June,2024	7:00 pm-7:30pm	Dr Aneela Jamil	Biochemistry
MBBS	Module	Monday 10 th June,2024	7:00 pm-7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 11 th June,2024	7:00 pm-7:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 12 th June,2024	7:00 pm-7:30pm	Dr Aneela Jamil	Biochemistry

Assessment Week (29-07-2024 To 03-08-2024)

Date & Day	8:00 AM – 02:00 PM
Monday 29-07-2024	
Saturday 30-07-2024	
Monday 31-07-2024	
Tuesday 01-08-2024	Assessment Week
Wednesday 02-08-2024	
Thursday 03-08-2024	



Blood and Immunity Module Team

Module Name : Blood and Immunity Module

Duration of module : 05 Weeks
Coordinator : Dr. Rahat

Co-coordinator : Dr. Kamil Tahir Reviewed by : Module Committee

	Module Comn	nittee		N	Iodule Task Force Team
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Rahat (APWMO of Biochemistry)
2.	Chairperson Anatomy & Dean	Prof. Dr. Ayesha Yousaf	2.	DME Focal Person	Dr. Farzana Fatima
	Basic Sciences				
3.	Director DME	Prof. Dr. Ifra Saeed	3.	Co-coordinator	Dr. Ali Raza (Senior Demonstrator of Anatomy)
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Uzma Zafar (APWMO of Biochemistry)
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Kamil Tahir (Senior Demonstrator Physiology)
6.	Focal Person Anatomy First Year MBBS	Asso. Prof. Dr. Mohtashim Hina			
7.	Focal Person Physiology	Dr. Sidra Hamid		DN	ME 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.	Implementation Incharge 1st & 2 nd	Prof. Dr. Ifra Saeed
				Year MBBS	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. Fahad Anwar			
	Lectures				
14.	Focal Person Family Medicine	Dr. Sadia Khan			

Discipline Wise Details of Modular Contents

Block	Subjects	Embryology	Histology	Gross Anatomy	CBL	SDL
	• Anatomy	 Development of pharyngeal arches Development of spleen Development of thymus 	SpleenThymusLymph nodesTonsils	Posterior compartment of leg to foot	Ankle sprainFlat foot	 Posterior compartment of leg and flexor retinaculum Neurovascular organization of posterior compartment of leg Foot joints Ankle joints Sole of foot Spleen Gait cycle
II	• Physiology	 Hemoglobin & Hem Red cell fragility, ES Fate of RBCs & Jau Types of immunity, Physiology of acquire Composition of bloce WBCs classification Platelet formation & Blood coagulation Concept of intravase thrombocytopenia) Thromboembolic correct of blood clotting out Physiological mechan Role of Hypothalam 	SR & Red cell indice ndice Physiology of innate red immunity B-Cell red immunity T-Cell od & Hemopoiesis & formation. Neutral function. hemostasis cular anticoagulants andition (DVT, Pulmoside the body) anism of temperature us in temperature regulation (Fevrouping system system and Erythroble azards	n Metabolism s, Anemia & polycyther s immunity tolerance & a s s. Allergy and Hypersen ophils, Eosinophils & Ba s, blood coagulation test and bleeding disorders (V onary Embolism, DIC) A regulation gulation er, Heat stroke, Exposur	nuto immunity sitivity reactions, A asophils and their pr s (BT, CT, PT, AP) Vit K deficiency, he anticoagulant therap	Auto-immune diseases and AIDS roperties IT and INR emophilia and by (Heparin, warfarin, Prevention
-	Biochemistry	Heme synthesis	nspianianons			
	- Diodicinistry	- Heme symmesis				

	Porphyria
	Breakdown of hemoglobin
	• Jaundice
	• Blood
	Structure of hemoglobin and myoglobin
	Types of Hemoglobin
	Oxygen dissociation curve.
	Abnormalities in Hemoglobin.
	Hemoglobinopathies
	Plasma proteins
	Acute phase proteins & Albumin
	Haptoglobin and transferring.
	Ferritin and hemosiderin
	• Ceruloplasmin.
	Antiproteases and amyloidosis
	• Immunoglobulins
	• AIDs
	• Folic acid.
	• Vitamin B12
	• Iron
	Spiral Courses
• Bioethics & Professionalism	Activity IActivity II
	Activity IIActivity III
Research Club Activity	Student practical session no 3
(IUGRC)	
 Family Medicine 	Aproach to a Patient Aneamia
The Holy Quran Translation	•
	Vertical components
• Pathology	Mediators of Inflammation
	• (Medicine)
 Medicine 	AnemiaJaundice
Gynae & Obs	Rh Incompatibility And Its Significance -Immune
- Oynac & Ous	Early Clinical Exposure (ECE)

Categorization of Modular Contents Anatomy

Category A*	Category B**		Category	C***	
		Demonstrations / SGD	CBL	SKL/Practical's	Self-Directed Learning (SDL)
General Embryology	General Histology	 Posterior compartment of leg and flexor retinaculum Posterior compartment of leg (Neurovascular organization) Bones of the foot Dorsum of foot (Muscles and Neurovascular organization) Ankle joint (ankle sprain) Joints of foot Sole of foot (Muscles) Sole of foot (Neurovascular organization) Arches of foot Spleen Thymus and tonsils Radiology and surface marking 	Ankle sprainFlat foot	 Lymph node Spleen Thymus Tonsil 	 Posterior compartment of leg and flexor retinaculum Neurovascular organization of posterior compartment of leg Foot joints Ankle joints Sole of foot Spleen Gait cycle

Category A*: By Professor

Category B**: By Associate & Assistant Professors

Category C***: By Senior Demonstrators & Demonstrators

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.	Associate Professor	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 * 04 = 08 hours
2.	Small Group Discussions (SGD)	2*16 =32 hours
3.	Practical / Skill Lab	1.5 * 20 = 30 hours

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies Total Ho			
1.	Large Group Interactive Session (LGIS)	1 * 4 = 04 hours		
2.	Small Group Discussions (SGD)	2*16=32 hours		
3.	Practical / Skill Lab	1.5 * 4 = 6 hours		
4.	Self-Directed Learning (SDL)	2* 4 = 8 hours		

Physiology

Category A*	Category B**				Category C***	
LGIS	LGIS	PBL	CBL	Practical's	SGD	SDL
 Monocytes - macrophage system & lymphocytes Process of inflammation and Lines of defense during inflammation 	 Plasma Proteins Stages of erythropoiesis & factors affecting erythropoiesis Hemoglobin & Hemoglobinopathies, Iron Metabolism Red cell fragility, ESR & Red cell indices, Anemia & polycythemia Fate of RBCs & Jaundice Types of immunity, Physiology of innate immunity tolerance & auto immunity Physiology of acquired immunity B-Cells Physiology of acquired immunity T-Cells. Allergy and Hypersensitivity reactions, Auto-immune diseases and AIDS Composition of blood & Hemopoiesis WBCs classification & formation. Neutrophils, Eosinophils & Basophils and their properties Platelet formation & function. hemostasis, blood coagulation tests (BT, CT, PT, APTT and INR Blood coagulation Concept of intravascular anticoagulants and bleeding disorders (Vit K deficiency, hemophilia and thrombocytopenia) Thromboembolic condition (DVT, Pulmonary Embolism, DIC) Anticoagulant therapy (Heparin, warfarin, Prevention of 			 Determination of Rh blood group Determination of Clotting time (CT) Determination of Bleeding time (BT) Recording of Body Temperature 	 Functions & composition of blood, Hemopoiesis and Bone marrow Hemoglobin & Hemoglobinopathies, Iron Metabolism Platelet formation & function. hemostasis, blood coagulation tests (BT, CT, PT, APTT and INR) Physiological mechanism of temperature regulation Stages Of Erythropoiesis Factors Affecting Erythropoiesis (First week) Physiology of WBC (third week) Physiology of platelets (Fourth week) Blood transfusion hazards. Tissue and organ transplantations (Fifth week) Disorders of temperature regulation (Fever, Heat stroke, Exposure of body to extreme cold) (Fifth 	1. SDL On Campus Platelet formation & function. hemostasis, blood coagulation tests (BT, CT, PT, APTT and INR) 2. Concept of intravascular anticoagulants and bleeding disorders (Vit K deficiency, hemophilia and thrombocytopenia) 3. SDL Off Campus Composition of blood 4. Functions of Plasma Proteins 5. WBCs classification & formation. Neutrophils, Eosinophils & Basophils and their properties 6. Monocytes - macrophage system & lymphocytes 7. Process of inflammation and Lines of defense during inflammation 8. Red cell fragility,

 blood clotting outside the body) Physiological mechanism of temperature regulation Role of Hypothalamus in temperature regulation Disorders of temperature regulation (Fever, Heat stroke, Exposure of body to extreme cold) ABO & Rh Blood grouping system Rh Blood grouping system and Erythroblastosis fetalis Blood transfusion hazards. Tissue and organ transplantations 		week)	ESR & Red cell indices, Anemia & polycythemia 9. Blood coagulation 10. ABO & Rh Blood grouping system

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 /	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)	06

Contact Hours (Faculty) & Contact Hours (Students)

	Hours Calculation for Various Type of	Total Hours
Sr. #	TeachingStrategies	
1.	Large Group Interactive Session (LECTURES)	$11 \times 2 = 22 \text{ hours}$
2.	Small Group Discussions (SGD)/CBL	20 x 1.5 hour = 30 hours + 6 hours= 36 hours
3.	Problem Based Learning (PBL)	
4.	Practical / Skill Lab	20 x 1.5 hour = 30 hours
5.	Self-Directed Learning (SDL)	2x1 = 2hours (on campus) 8x1 = 8 hours (off campus)

Biochemistry

Category A*	Category B**			Category C***	
LGIS	LGIS	PBL	CBL	Practical's	SGD
 Heme synthesis Porphyria Breakdown of hemoglobin Jaundice 	 Blood Structure of hemoglobin and myoglobin Types of Hemoglobin Oxygen dissociation curve. Abnormalities in Hemoglobin. Hemoglobinopathies Plasma proteins Acute phase proteins & Albumin Haptoglobin and transferring Ferritin and hemosiderin Ceruloplasmin. Antiproteases and amyloidosis Immunoglobulins AIDs Folic acid. Vitamin B12 Iron 		Thalassemia Jaundice	 Estimation of Bilirubin by spectrophometer Estimation of total protein by spectrophometer How to draw blood technique Haemin crystals 	Types of Hb and oxygen dissociation curve Iron

Category A*: By HOD and APWMO with Postgraduate Qualification

Category B**: By All 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 * 12 = 24 hours	12
2.	Small Group Discussions (SGD)	1.5 * 5*4 = 30 hours	06
3.	Problem Based Learning (PBL)	Zero	zero
4.	Practical / Skill Lab	1.5 * 5*4 = 30 hours	6
5.	Self-Directed Learning (SDL)		06

First Year Blood and Immunity Module (First Week)

(29-07-2024 To 03-08-2024)

						(43-07-404	<u> </u>	<u>0 05-00-</u> 20	<u> </u>				
Date/Day	8:00am-9:20	am	9:20am –	0:10am	10:10am – 10:30am	10:30	am-11:	:20am	11:20am	n-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
	SGD/DISSECTION					PBL 1 (S	SESSIC	ON – I)	PHYSIOLO	OGY (LGIS)			-
29-07-2024 MONDAY	Postarior	Comportment	of Log & Flover Peti	nagulum		DD	I Toon	m	Composition of blood & Hemopoiesis	Plasma Proteins		Practical & SGD/CBL Topics & venue	SDL Physiology Composition of
MONDAT	Posterior	Posterior Compartment of Leg & Flexor Retinaculum				PBL Team		Dr Sheena (Even)	Dr. Sidra (Odd)		mentioned at the end	blood	
		SGD/DI	SSECTION			BIOCHEM	BIOCHEMISTRY (LGIS)		PHYSIOLOGY (LGIS)				
30-07-2024 TUESDAY	Posterior Compartment of Leg (Neurovascular Organization)			Types of Hb & O2 Dissociation Curve				Plasma Proteins	Composition of blood & Hemopoiesis		Practical & SGD/CBL Topics & venue mentioned at the end	SDL Physiology Functions of plasma protein	
						Dr. Kashif		Dr. Romessa	Dr. Sidra	Dr Sheena			
						(Even)		(Odd)	(Even)	(Odd)			
		SGD/DI	ISSECTION		a k	PHYSIO			PHYSIOL	OGY (LGIS)	Ā		
31-07-2024 WEDNESDAY	31-07-2024		of the foot		Brea	Stages of erythropoiesis & factors affecting erythropoiesis	i E	Cs classification & formation. Neutrophils, Eosinophils & sophils and their properties	WBCs classification & formation. Neutrophils Eosinophils & Basophils and their properties		Brea	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Biochemistry Structure of hemoglobin, Types of Hb & O2 Dissociation Curve
						Dr. Sidra (Even)	Dr Sheena (Odd) Dr Sheena (Even)		Dr. Sidra (Odd)				
	PATHOLOGY	(LGIS)	PBL 1 (SES	SION – II)		BIOCHEMISTRY (LGIS)		PHYSIOLOGY (LGIS)		Ī		l l	
01-08-2024 THURSDAY	Mediators of infl	ammation	PBL.	Геат		Heme Synthesis & Porphyria	stru	ypes of Hb and acture of Hb and myoglobin	Monocytes - macrophage system & lymphocytes	Hemoglobin & Hemoglobinopathies, IronMetabolism		Practical & SGD/CBL Topics & venue mentioned at the end	SDL Anatomy Bones of Foot
	Dr. Saeed (Even)	Dr. Iqbal (Odd)				Dr. Romessa (Even)		Dr. Kashif (Odd)	Prof. Dr. Samia Sarwar / Dr. Sheena (Even)	Dr. Sidra (Odd)			
	8:00 AM – 9:		9:00 AM -			10:00AM- 11:				11:00AM—12:00PM			
	FAMILY ME	DICINE	QURAN TRA	QURAN TRANSLATION		BIOCHEMISTR	Y (LG	IS)		OGY (LGIS)			
02-08-2024 FRIDAY	Anemia	1	Muaamlaat-3	Muaasharat-1	Hemogl	obinopathies	Degradation & Jaundice		Hemoglobin & Hemoglobinopathies, Iron Metabolism	Monocytes - macrophage system & lymphocytes	Biochemistry SDL Heme Synthesis & Porphyria		
	Dr. Umer Daraz	Dr. Iqra	Mufti Naeem	Abdul Wahid		zma Zafar		Dr. Aneela	Dr. Sidra	Prof. Dr. Samia Sarwar			
	(Even)	(Odd)	(Even)	(Odd)	(Even)	OM (\$7.	(Odd)	(Even)	/ Dr. Sheena(Odd)		T	
03-08-2024	Dorsum of F	SGD/DISSECTION Dorsum of Foot (Muscles and Neurovascular Organization)		e a k	Development of pharyngeal arches	De	evelopment and cology of Lymph node		SDL ×		Practical & SGD/CBL Topics &	SDL Anatomy Posterior	
SATURDAY	Doisuil of F	oot (wuscies a	nu reurovascular Ol	gamzauon)	Bre	Prof. Dr. Ayesha Yousaf (even)		Mohtasham Hina Associate prof.) (odd)	3.	oL.	Bre	venue mentioned at the end	Compartment of Leg

				Table 1	No. 1 (T	ime: 12:20	pm – 02:	00pm)								
Batch Dis	stribution	for Practical	Topics for Skill Lab with Venue					Schedule fo	r Practical	/ Small C	roup Discussion					
CBL / Sn		Disscusion	Lymph node (Anatomy Histology Practical) Venue-Histology	Day		stology actical		chemistry ractical			Physiology Practical		ysiology SGD		hemistry SGD	
(Biochen	nistry and	Physiology)	laboratory (Dr. Kashif) • Draw of blood technique (Biochemistry Practical) Venue-		Bat ch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batc h	Teacher Name	Batch	Teacher Name	
Sr. No	Batch	Roll No.	Biochemistry laboratory Determination of Rh blood group	Monday	С		В	Dr. Rahat	Supervised by HOD	Е	Dr. Farid/Dr. Ali Zain	A	Dr. Sheena Dr. Ali Zai		Dr. Uzma	y HOD
1.	A	01-70	(Physiology –practical) Venue – Physiology Lecture Hall No 5	Tuesday	D	НОБ	С	Dr. Nayab	ised b	A	Dr. Sheena/Dr.Nazia	В	Dr. Uzma/ Dr. Nazia	Е	Dr. Almas	vised by
2.	В	71-140		Wednesday	Е	vised by	D	Dr. Uzma	uperv	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	A	Dr. Romessa	Superv
3.	С	141-210		Thursday	В	Supervis	A	Dr. Almas	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid Dr. Ali Zai	_	Dr. Nayab	
4.	D	211-280		Saturday	A	Su	Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr. Afshee	n B	Dr. Rahat	
5.	Е	281-onwards	Topics for SGDs / CBL with Venue		T	able No. 2	Batch Di	stribution and `	Venues for	Anatomy	Small Group Discu	ssion So				
			Physiology SGD - Functions &	Batches		oll No		my Teacher				Venue				
			composition of blood, Hemopoiesis	A	_)1-90		eara Saqib			Complex No. 02					
			and Bone marrow (Basement))	В		1-180		jad Hussain	Anatomy							
			Biochemistry SGD: Types of Hb and	C		81-270	Dr. Ali		Anatomy							
			oxygen dissociation curve	D	271-	onwards	Dr. Qu	rat ul Ain			Complex No. 03					
			(Venue: Lecture Hall No 2)					Supe	rvised by F	rot. Dr. A	Ayesha Yousaf					

	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. Sana Latif (Demostrator	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)					
			Physiology	Biochemistry)										
2.	A2	(36-70)	Lecture Hall #.04 (1st	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)					
			Floor Anatomy)	(Demonstrator of Physiology)										
3.	B1	(71-105)	Anatomy Museum (First	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room (Basement)	Dr. Rahat Afzal					
			Floor Anatomy)	(Demostrator Biochemistry)					(Senior Demonstrator Biochemistry)					
4.	B2	(106-140)	Lecture Hall no.03 (First	Dr. Zeneara Saqib	9.	E1	(281-315)	New Lecture Hall Complex	Dr. Ramsha (PGT Physiology)					
			Floor)	(Senior Demonstrator of				Lecture Theater # 03						
				Anatomy)										
5.	C1	(141-175)	Lecture Hall no.05	Dr. Ali Zain (PGT Physiology)	10	E2	(315	New Lecture Hall Complex	Dr. Jawad Hassan					
			(Basement)				onwards)	Lecture Theater # 02	(Demonstrator Physiology)					

Table No. 6 Venues for Large Group Interactive Session (LGIS)									
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 03								
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02								

First Year Blood and Immunity Module (Second Week)

(12-08-2024 To 17-08-2024)

	(12-00-2024 10 17-00-2024)															
Date/Day	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	10:30a	am-11:20am	11:20a	m-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)						
	SGD/DISSE	CTION	×	ANATO	OMY (LGIS)	PHYSIO	LOGY (LGIS)	K								
12-08-2024 MONDAY	Ankle Joint (An	ıkle Sprain)	Breal	Development of pharyngeal arches	Development and histology of Lymph Node	Process of inflammation and Lines of defense during inflammation	Red cell fragility, ESR & Red cell indices, Anemia & polycythemia	e a k	Practical & SGD/CBL Topics & venue mentioned at the	SDL Physiology WBCs classification & formation. Neutrophils, Eosinophils & Basophils and						
				Prof. Dr. Ayesha Yousaf (Odd) Prof. Dr. Mohtasham Hina (Associate prof.) (Even)		Prof. Dr. Samia Sarwar / Dr. Sheena (Even) Dr. Sidra (Odd)		r	end	their properties						
	DISSECTIO)N/CBL		BIOCHEM	MISTRY (LGIS)		LOGY (LGIS)	B								
13-08-2024 TUESDAY	Joints of Foot			Hemoglobinopathies	Heme degradation & Jaundice	Red cell fragility, ESR & Red cell indices, Anemia & polycythemia	Process of inflammation and Lines of defense during inflammation		Practical & SGD/CBL Topics & venue mentioned at the	SDL Physiology Monocytes -macrophage system & lymphocytes						
				Dr. Uzma (Odd)	Dr. Aneela (Even)	Dr. Sidra (Even)	Prof. Dr. Samia Sarwar / Dr. Sheena (Odd)		end							
14-08-2024 WEDNESDAY				Independence Day												
		PBL 2 (SESSION – I)	PBL 2 (SESSION – I) BIOCHE		MISTRY (LGIS)	PHYSIOLOGY (LGIS) Platelet formation & function. hemostasis, blood coagulation tests (BT, CT, PT, APTT and										
15-08-2024 THURSDAY	SDL	PBL Team		Aids	Plasma proteins functions, Albumin			reak	Practical & SGD/CBL Topics & venue mentioned at the	SDL Anatomy Neurovascular organization of posterior compartment of						
				Dr. Aneel / Dr. Almas	Dr. Kashif		INR)	B	end	leg						
				(Even)	(Odd)	Dr. Sidra (Odd)	Dr. Fareed (Even)									
16-08-2024 FRIDAY					Early Clinical Exposu	re (ECE)										
	SGD/DISSE	CTION		BIOCHEN	MISTRY (LGIS)	PBL 2 (S	SESSION – II)		Practical &	Biochemistry SDL						
17-08-2024 SATURDAY	Discont				್ಲಿ ಇ ಸ		e a k		a Aius P		Plasma proteins functions, Albumin	PI	BL Team	Break	SGD/CBL Topics & venue	Plasma proteins functions, Albumin,
SATURDAT	Dissection		Bro	Dr. Aneel / Dr. Almas (Odd)	Dr. Kashif (Even)	f			mentioned at the end	AIDs						

				Table l	No. 1 (T	ime: 12:20 ₁	pm – 02:0	0pm)								
Batch Di	stribution 1	or Practical	Topics for Skill Lab with Venue					-	or Practical	/ Small C	roup Discussion					
CBL / Sn		Disscusion	Spleen (Anatomy Histology Practical) Venue-Histology	Day		stology actical		nemistry actical			Physiology Practical		ysiology SGD		hemistry SGD	
(Biochen	nistry and l	Physiology)	Laboratory (Dr. Kashif) • Estimation of bilirubin by Spectrophotometer (Biochemistry		Bat ch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batc h	Teacher Name	Batch	Teacher Name	
Sr. No	Batch	Roll No.	Practical) Venue- Biochemistry Laboratory	Monday	С		В	Dr. Rahat	Supervised by HOD	Е	Dr. Farid/Dr. Ali Zain	A	Dr. Sheena Dr. Ali Zai		Dr. Uzma	y HOD
1.	A	01-70	Determination of Clotting time (CT) (Physiology Practical) Venue –	Tuesday	D	НОБ	С	Dr. Nayab	sed by	A	Dr. Sheena/Dr.Nazia	В	Dr. Uzma/ Dr. Nazia	Е	Dr. Almas	sed by
2.	В	71-140	Physiology Lab	Wednesday	Е	by	D	Dr. Uzma	upervi	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	A	Dr. Romessa	Supervised
3.	С	141-210		Thursday	В	jervised	A	Dr. Almas	N N	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid Dr. Ali Zai		Dr. Nayab	S
4.	D	211-280		Saturday	A	sednS	Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/	В	Dr. Rahat	
5.	Е	281-onwards	Topics for SGDs / CBL with Venue		Т	able No. 2	Batch Dis	tribution and	Venues for	Anatomy	Small Group Discu	ssion So	Dr. Afsheen			
			Physiology SGD- Hemoglobin &	Batches		oll No		y Teacher		~		Venue				
			Hemoglobinopathies, Iron Metabolism (Venue: Lecture Hall No 5)	A)1-90		ara Saqib			Complex No. 02					
			В	_	1-180	- 55	ad Hussain	Anatomy 1								
			С	_	31-270	Dr. Ali I		Anatomy Lecture Hall No.4								
			(Lecture Hall No 2)	D	271-	onwards	Dr. Qura				Complex No. 03					
			Anatomy CBL: Ankle Sprain	CBL: Ankle Sprain Supervised by Prof. Dr. Ayesha Yousaf												

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

Table No. 6 Venues for Large Group Interactive Session (LGIS)										
Odd Roll Numbers	New Lecture Hall Complex Lecture Theater # 03									
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02									

First Year Blood and Immunity Module (Third Week) (19-08-2024 To 24-08-2024)

_						(1) 00 =	024 10 24-00-2	••= •)							
Date/Day	8:00am-9	:20am	9:20am -	- 10:10am	10:10am – 10:30am	10:30am-11:2	20am	11:20am-12:10pm		12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)			
		SGD/DISS	ECTION			BIOCHEMISTR	Y (LGIS)	PHYSIOL	OGY (LGIS)	1	•	()			
19-08-2024 MONDAY		Sole of Foo				Vit K	Haptoglobin, ceruloplasmin	Blood coagulation	Types of immunity, Physiology of innate immunity tolerance & auto immunity		Practical & SGD/CBL Topics & venue mentioned at the	SDL Anatomy joints of Foot			
						Dr. Aneel / Dr. Almas (Even)	Dr. Kashif (Odd)	Dr. Fareed (Even)	Dr. Sidra (Odd)		end				
		SGD/DISS	SECTION			BIOCHEMISTR	Y (LGIS)		OGY (LGIS)		D : 10	CDI DI LI			
20-08-2024 TUESDAY	Sole o	of Foot (Neurova	ascular Organiz	ation)		Vitamin k	Haptoglobin, ceruloplasmin	Types of immunity, Physiology of innate immunity tolerance & auto immunity	Blood coagulation		Practical & SGD/CBL Topics & venue mentioned at the end	SDL Physiology Process of inflammation and Lines of defense during inflammation			
					k	Dr. Aneel / Dr. Almas (Even)	Dr. Kashif (Odd)	Dr. Sidra (Even)	Dr. Fareed (Odd)	×	Cita	miamiation			
		SGD/DISS	SECTION		a]	BIOMEDICAL	ETHICS		OGY (LGIS)	୍ଷ					
21-08-2024 WEDNESDAY				Bre	Activity 1		Concept of intravascular anticoagulants and bleeding disorders (Vit K deficiency, hemophilia and thrombocytopenia) Physiology of acquired immunity B-Cells		Bre	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Physiology Red cell fragility, ESR & Red cell indices, Anemia & polycythemia				
								Dr. Fareed (Even)	Dr. Sidra (Odd)						
		DISSECTI	ON / CBL			ANATOMY (LGIS)	PHYSIOL	OGY (LGIS)						
22-08-2024 THURSDAY		Arches of Foot			Histology & Development of Thymus and Tonsils	Histology and Development of Spleen	Physiology of acquired immunity B-Cells	Concept of intravascular anticoagulants and bleeding disorders (Vit K deficiency, hemophilia and thrombocytopenia)		Practical & SGD/CBL Topics & venue mentioned at the end	SDL Biochemistry Structure of hemoglobin Folic acid				
						Dr. Mohtasham Hina (Associate prof.) (Even)	Prof. Dr. Ayesha Yousaf / Assoc. Prof. Dr. Arslan (Odd)	Dr. Sidra (Even)	Dr. Fareed (Odd)		end	& Vitamin B-12			
Date/Day	08:00am- 10:00					10:00am – 11:00am			- 12:00pm						
	BIOCHEMIS	TRY (LGIS)	QURAN TR	ANSLATION		PHYSIOLOGY (LGIS	/		OGY (LGIS)						
23-08-2024	Vitamin 9 and vitamin B12	Transferrin, ferritin	Muaamlaat- 3	Muaasharat- 1		mbolic condition (DVT, Pulmonary Embolism, DIC)	Physiology of acquired immunity T-Cells. Allergy and	Physiology of acquired immunity T-Cells. Allergy and	Thromboembolic condition (DVT, Pulmonary Embolism, DIC) Anticoagulant therapy (Heparin,	Heme	ochemistry synthesis				
FRIDAY	Dr. Almas (Even)	Dr.Kashif (Odd)	Mufti Naeem (Odd)	Abdul Wahid (Even)		gulant therapy (Heparin, warfarin, of blood clotting outside the body)	Hypersensitivity reactions, Auto-immune diseases and AIDS ls. Ac	Hypersensitivity reactions, Auto-immune diseases and AIDS	warfarin, Prevention of blood clotting outside the body)	Vita	ımin K				
		SCD/DISS	` ′	(Even)		Dr. Fareed (Even) ANATOMY(I	Dr. Sidra (Odd)	Dr. Sidra (Even)	Dr. Fareed (Odd) OGY (LGIS)						
24-08-2024 SATURDAY		Gait cycle.				, , , , , , , , , , , , , , , , , , ,		e a	Histology & Development of Thymus and Tonsils Histology Development of Spleen		Thromboembolic condition (DVT, Pulmonary Embolism DIC) Anticoagulant therapy (Heparin, warfarin, Preventio of blood clotting outside the body)	Physiology of acquired immunity T-Cells. Allergy and Hypersensitivity reactions, Auto-immune	Break	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Anatomy Sole of Foot <mark>Online Clinical</mark> Evaluation
					H	Dr. Mohtasham Hina (Associate prof.) (Odd)	Prof. Dr. Ayesha Yousaf / Assoc. Prof. Dr. Arslan (Even)	Dr. Fareed (Even)	Dr. Sidra (Odd)						

				Tabl	e No. 1	(Time: 12	:20pm – 02	2:00pm)								
Batch Di	stribution t	or Practical	Topics for Skill Lab with Venue				•	Schedule	for Practical	/ Small C	Group Discussion					
	l subjects)		Thymus (Anatomy Histology	Day	Hi	stology		hemistry			Physiology		ysiology		hemistry	
		Disscusion	Practical) Venue-Histology			actical		actical	_		Practical		SGD		SGD	
(Biochen	nistry and l	Physiology)	Laboratory (Dr. Kashif)		Ba	Teacher	Batch	Teacher		Batch	Teacher Name	Batc		Batch	Teacher	
			Quantitative estimation of serum total proteins (Biochemistry		tc h	Name		Name				h	Name		Name	
Sr. No	Batch	Roll No.	Practical) Venue- Biochemistry	Monday	C		В	Dr. Rahat	НОБ	Е	Dr. Farid/Dr. Ali Zain	A	Dr. Sheena/ Dr. Ali Zair	n D	Dr. Uzma	HOD
1.	A	01-70	Laboratory • Determination of Bleeding time (BT) (Physiology Practical) Venue	Tuesday	D	HOD	С	Dr. Nayab	sed by	A	Dr. Sheena/Dr.Nazia	В	Dr. Uzma/ Dr. Nazia	E	Dr. Almas	Supervised by
2.	В	71-140	- Physiology Lab	Wednesday	Е	Supervised by HOD	D	Dr. Uzma	Supervised	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	A	Dr. Romessa	pervis
3.	С	141-210		Thursday	В	ervise	A	Dr. Almas	Sı	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zaii	C	Dr. Nayab	Sı
4.	D	211-280		Saturday	A	$_{ m Sn}$	Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr. Afsheen	В	Dr. Rahat	
5.	Е	281-onwards	Topics for SGDs / CBL with Venue			Table No	. 2 Batch I	Distribution an	nd Venues for	Anatomy	Small Group Discu	ssion S				
			Physiology SGD- Platelet formation a	& Batches	R	oll No		ny Teacher				/enue				
			function. hemostasis, blood	A	(01-90	Dr Zenea	ra Saqib	New Lecture Hall Complex No. 02							
			coagulation tests (BT, CT, PT, APTT		9	1-180		d Hussain	Anatomy L							
			and INR (Venue: Lecture Hall No 5)			81-270	Dr. Ali R		Anatomy L							
			Biochemistry CBL – Jaundice (In the III No. 2)	D	271-	onwards	Dr. Qurat				omplex No. 03					
			(Lecture Hall No 2)					Su	pervised by I	Prof. Dr. A	Ayesha Yousaf					
			 Anatomy CBL: Flate Foot 													

	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. Sana Latif (Demostrator	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)			
			Physiology	Biochemistry)								
2.	A2	(36-70)	Lecture Hall #.04 (1st	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)			
			Floor Anatomy)	(Demonstrator of Physiology)								
3.	B1	(71-105)	Anatomy Museum	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room (Basement)	Dr. Rahat Afzal			
			(First Floor Anatomy)	(Demostrator Biochemistry)					(Senior Demonstrator Biochemistry)			
4.	B2	(106-140)	Lecture Hall no.03	Dr. Zeneara Saqib	9.	E1	(281-315)	New Lecture Hall Complex	Dr. Ramsha (PGT Physiology)			
			(First Floor)	(Senior Demonstrator of				Lecture Theater # 03				
				Anatomy)								
5.	C1	(141-175)	Lecture Hall no.05	Dr. Ali Zain (PGT Physiology)	10	E2	(315	New Lecture Hall Complex	Dr. Jawad Hassan			
			(Basement)				onwards)	Lecture Theater # 02	(Demonstrator Physiology)			
				N	ODDI Soc	sion during t	hic wook	_	·			

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 # 03								
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02								

First Year Blood and Immunity Module (Fourth Week) (26-08-2024 To 31-08-2024)

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)	
26-08-2024 MONDAY	SO	GD/DISSECTION		reak	BIOCHEM Vitamin 9 and vitamin B12	ISTRY (LGIS) Transferrin, ferritin	PHYSIO Physiological mechanism of temperature regulation	ABO & Rh Blood grouping system	reak	Practical & SGD/CBL Topics & venue mentioned at	SDL Anatomy Spleen	
		us, Tonsils and Spleen		B	Dr. Aneela /Dr. Almas Odd)	Dr Kashif (Even)	Dr. Shazia (Even)	Dr. Fahad (Odd)	B	the end		
	MEDICINE (LGIS)	BIO MEDIO	CAL ETHICS			LOGY (LGIS)	PHYSIC	DLOGY (LGIS)				
27-08-2024 TUESDAY			(CLUB ACTIVITY 2)		Rh Blood grouping system and Erythroblastosis fetalis	Role of Hypothalamus in temperature regulation	Role of Hypothalamus in temperature regulation	Rh Blood grouping system and Erythroblastosis fetalis		Practical & SGD/CBL Topics & venue mentioned at the end	SDL Physiology Red cell fragility, ESR & Red cell indices, Anemia & polycythemia	
	Dr. Umer Dr. Id Daraz (Even) (Odd				Dr. Fahad (Even)	Dr. Shazia (Odd)	Dr. Shazia (Even)	Dr. Fahad (Odd)		mentioned at the end	e porycythenna	
	SO	GD/DISSECTION				OGY (LGIS)	PHYSIC	DLOGY (LGIS)				
28-08-2024 WEDNESDAY	Radiology, Surface A	Anatomy & Cross-Secti	onal Anatomy	Break	temperature regulation (Fever, Heat stroke, Exposure of body to extreme cold)	reacti Disorders of temperature Blood transfusion Disorders of temperature regulation (Fever, Heat stroke, Exposure of body to extreme cold) Blood transfusion Disorders of D		Tissue and organ transplantations	Break	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Physiology Monocyte & Macrophage System	
	GYNAE OBS	PHYSIOLOGY SUI	PERVISED SDL)		Dr. Shazia (Odd)	Dr. Fahad (Even) JOI	Dr. Shazia (Even) NT SESSION	Dr. Fahad (Odd)		Practical & SGD/CBL Topics & venue mentioned at the end		
29-08-2024 THURSDAY	Rh incompatibility and its significance Dr. Dr. Shama Ruqqia (Even) (Odd)	ABO & Rh Blood g	,				Fhalasimia				SDL Biochemistry Immunoglobulins, iron	
	(Even) (Odd) 8:00 AM – 9:00 AM	9:00 AM	- 10:00AM		10:00AM- 11:00	0AM	11.004	M—12:00PM				
	BIO MEDICAL ETHI		ANSLATION					CHEMISTRY (LGIS)				
30-08-2024 FRIDAY	(CLUB ACTIVITY-	Muaasharat-2	Muaamlaat-4			PHYSIOLOGY SUPERVISED SDL Blood transfusion hazards. Tissue and organ transplantations		oulins Iron	SE	DL Anatomy Tonsil		
		Abdul Wahid (Even)	Mufti Naeem (Odd)			(Odd) Dr. Rahat (I	Even) Dr. Uzma (Odd)					
31-08-2024 SATURDAY	SO	Dissection		B reak	BIOCHEMISTRY (LGIS) Immunoglobulins Iron Dr. Rahat (Odd) Dr. Uzma(Even		14 th August batch		Break	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Anatomy Gait Cycle Online Clinical Evaluation	

				Ta	ıble No. 1	1 (Time: 12:	:20pm – 02	2:00pm)								
Batch Dis	stribution f	or Practical	Topics for Skill Lab with Venue						for Practical	/ Small C	Froup Discussion					
CBL / Sn	Skills (all subjects) CBL / Small Group Disscusion		Tonsils (Anatomy Histology Practical) Venue-Histology			Histology Practical		Biochemistry Practical			Physiology Practical		ysiology SGD		chemistry SGD	
(Biochemistry and Physiology)		Physiology)	Laboratory (Dr. Kashif)Haemin crystals (Biochemistry Practical) Venue- Biochemistry		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batc h	Teacher Name	Batch	Teacher Name	
Sr. No	Batch	Roll No.	Laboratory	Monday	С		В	Dr. Rahat	НОО	Е	Dr. Farid/Dr.	A	Dr. Sheena		Dr.	HOD
1.	A	01-70	Recording of Body temperature (BT) (Physiology Practical) Venue – Physiology Lab	Tuesday	D	НОБ	С	Dr. Nayab	Supervised by	A	Ali Zain Dr. Sheena/Dr.Nazia	В	Dr. Ali Zain Dr. Uzma/ Dr. Nazia	n D E	Uzma Dr. Almas	by
2.	В	71-140		Wednesday	Е	by	D	Dr. Uzma	upervi	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	A	Dr. Romessa	Supervised
3.	С	141-210		Thursday	В	Supervised	A	Dr. Almas	Š	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zai		Dr. Nayab	S
4.	D	211-280		Saturday	A	InS	Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr. Afsheei	В	Dr. Rahat	
5.	Е	281-onwards	Topics for SGDs / CBL with Venue			Table No	. 2 Batch I	Distribution an	d Venues for	Anatomy	Small Group Discu	ssion S	GDs / Dissect	tions		
			Physiology SGD- Physiological	Batches		Roll No		ny Teacher			· · · · · · · · · · · · · · · · · · ·	⁷ enue				
			mechanism of temperature regulation			01-90	- i				omplex No. 02					
			(Venue: Lecture Hall No 5)	В		91-180		d Hussain	Anatomy Lecture Hall No.3							
			Biochemistry CBL – iron (Lecture H. 112) A control of the c	C		.81-270	Dr. Ali R		Anatomy L							
			Hall No 2)	D	271	- onwards	Dr. Qurat				omplex No. 03					
								Su	pervised by F	'rof. Dr. A	Ayesha Yousaf					

	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. Sana Latif (Demostrator	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
			Physiology	Biochemistry)					
2.	A2	(36-70)	Lecture Hall #.04 (1st	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
			Floor Anatomy)	(Demonstrator of Physiology)					
3.	B1	(71-105)	Anatomy Museum	Dr. Rohina Khalid	8.	D2	(246-280)	Conference Room (Basement)	Dr. Rahat Afzal
			(First Floor Anatomy)	(Demostrator Biochemistry)					(Senior Demonstrator Biochemistry)
4.	B2	(106-140)	Lecture Hall no.03	Dr. Zeneara Saqib	9.	E1	(281-315)	New Lecture Hall Complex	Dr. Ramsha (PGT Physiology)
			(First Floor)	(Senior Demonstrator of				Lecture Theater # 03	
				Anatomy)					
5.	C1	(141-175)	Lecture Hall no.05	Dr. Ali Zain (PGT Physiology)	10	E2	(315	New Lecture Hall Complex	Dr. Jawad Hassan
			(Basement)				onwards)	Lecture Theater # 02	(Demonstrator Physiology)
			·	N	O DRI Sec	cion during 1	hic wook	<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 # 03			
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02			

Schedule for LMS Based Weekly Online Assessments for First Year MBBS (Blood & Immunity Module)

The online assessment for Blood & Immunity Module for First Year MBBS will be as per following schedule:

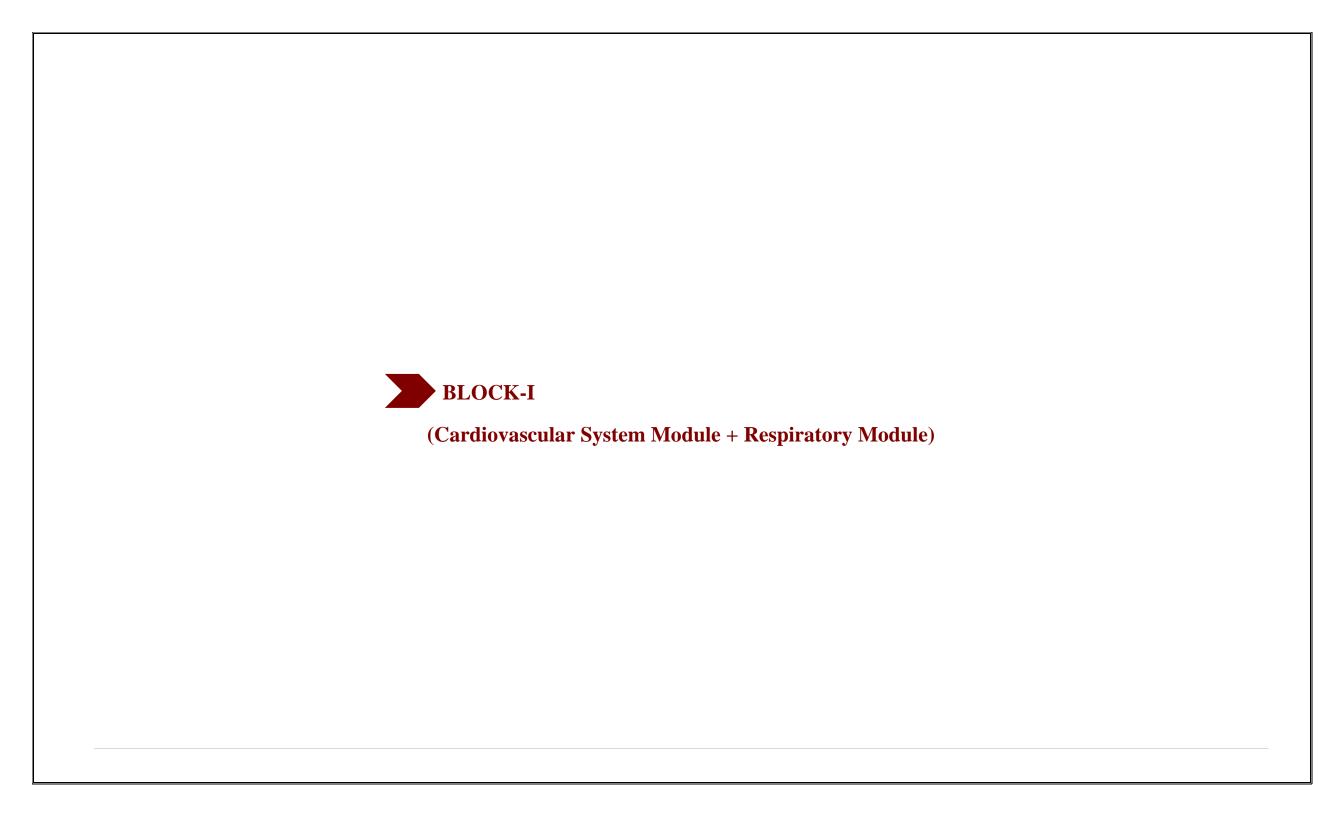
Class	Module	Day & Date	Time of Assessment	Focal person	Department Responsible
		Monday 12 th August ,2024	7:00 pm- 7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 13 th August ,2024	7:00 pm- 7:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 15 th August,2024	7:00 pm- 7:30pm	Dr Aneela Jamil	Biochemistry
First	Blood &	Monday 19 th August,2024	7:00 pm- 7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
Year MBBS	Immunity Module	Tuesday 20 th August,2024	7:00 pm- 7:30pm	Prof. Dr Samia Sarwar	Physiology
		Thursday 21st August,2024	7:00 pm- 7:30pm	Dr Aneela Jamil	Biochemistry
		Monday 26 th August,2024	7:00 pm- 7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 27 th August,2024	7:00 pm- 7:30pm	Prof. Dr Samia Sarwar	Physiology
		Thursday 28 th August,2024	7:00 pm- 7:30pm	Dr Aneela Jamil	Biochemistry

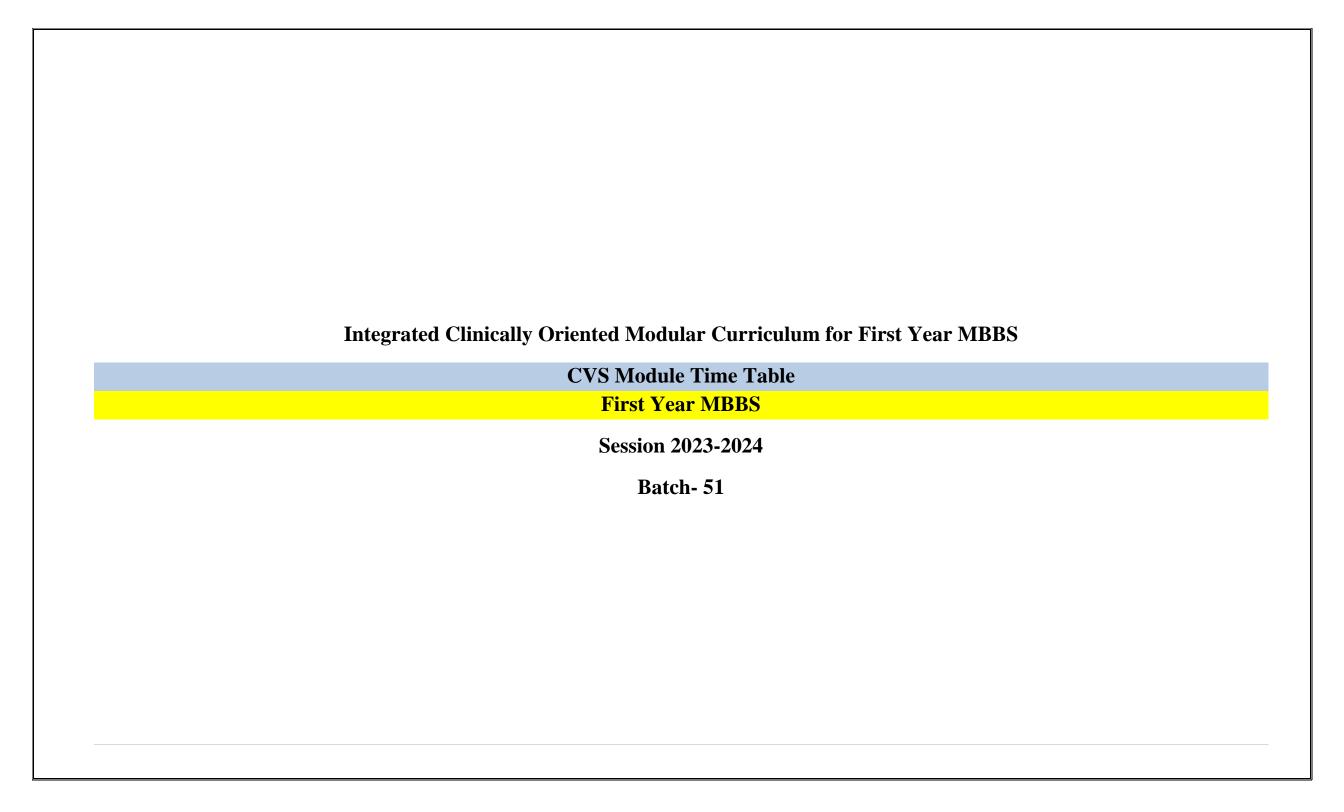
First Year Blood and Immunity Module (Fifth Week) (02-09-2024 To 07-09-2024)

Date/time	9:00am - 12:00pm	12:00-02:00pm	
02-09-2024 MONDAY			
03-09-2024 TUESDAY			
04-09-2024 WEDNESDAY			
05-09-2024 THURSDAY		Assessment Week	
06-09-2024 FRIDAY			
07-09-2024 SATURDAY			

Note: Timetable Subject to Change According To The Current Circumstances

(Logistic details of Assessments will be notified separately)





CVS Module Team

Module Name : CVS Module
Duration of module : 05 Weeks

Focal Person Quran Translation

Focal Person Family Medicine

Lectures

Coordinator:Dr. Aneela YasmeenCo-Coordinator:Dr. Sheena TariqReviewed by:Module Committee

Dr. Fahad Anwar

Dr. Sadia Khan

	Module Comn	nittee		N	Iodule Task Force Team
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Aneela (Senior Demostrator of Physiology)
2.	Chairperson Anatomy & Dean	Prof. Dr. Ayesha Yousaf	2.	DME Focal Person	Dr. Farzana Fatima
	Basic Sciences				
3.	Director DME	Prof. Dr. Ifra Saeed	3.	Co-coordinator	Dr. Kashif (APMO of Anatomy)
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Romessa Naeem (Demonstrator Biochemistry)
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Sheena Tariq (Senior Demonstrator Physiology)
6.	Focal Person Anatomy First Year	Asso. Prof. Dr. Mohtashim Hina			
	MBBS				
7.	Focal Person Physiology	Dr. Sidra Hamid		DN	ME 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.	Implementation Incharge 1st & 2 nd	Prof. Dr. Ifra Saeed
				Year MBBS	Dr. Farzana Fatima
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 Content

Block	Department	General Anatomy Embryology Histology Gross Anatomy						
	 Anatomy 	Heart & Vessels Cardiovascular System Heart & Vessels Mediastinum, Heart, Great Vessels						
	Biochemistry	Carbohydrate chemistry, Lipid chemistry						
		The Heart as a Pump and Function of the Heart Valves& regulation of heart pumping, cardiac cycle						
		Rhythmical Excitation of the Hear & Specialized excitatory & conductive system of the heart & its control (revisit)						
		Electrocardiogram, its interpretation & its abnormalities						
		Medical Physics of Pressure, Flow, and Resistance, Vascular Distensibility and Functions of the Arterial and Venous						
	 Physiology 	Systems						
		Microcirculation and the Lymphatic System, Local and Humoral Control of Blood Flow by the Tissues						
		Nervous Regulation of the Circulation, and Rapid & Long-Term Control of Arterial Pressure, hypertension						
		Cardiac Output, Venous Return, and Their Regulation						
		Muscle Blood Flow and Cardiac Output During Exercise; the Coronary & regional circulation						
		Cardiac Failure, Circulatory Shock						
		Heart Valves and Heart Sounds; Dynamics of Valvular and Congenital Heart Defects						
III		Spiral Courses						
	• The Holy Quran Translation	Mumamalat-I						
		Muashrat-II Filal in X						
		• Ekhlaqiaat-I						
	D.1 . 10 . D. 41 . 0	Mumamalat -II But in the left of the						
	 Behavioural Sciences, Bioethics & Professionlism 	Breaking the bad news Stigment to month illness.						
		Stigma to mental illness Check and in growth with a group active of conditions and a growth as a growth and a growth a growth and a growth and a growth and a growth and a growth a growth and growth and a						
	 Radiology, Artificial Inteligence & Innovation 	· · · · · · · · · · · · · · · · · · ·						
	Family Medicine	 Radiology with perspective of Artificial Intelligence & Innovation. Approach to a patient with chest pain 						
	• Panny Medicine	Vertical Integration						
	Community Medicine	Risk factors of coronary vascular disease						
	DME	DME orientation/paper discussion						
	Pathology	Thrombosis & Infarction						
	• Eye	Hypertensive retinopathy						
	Medicine	ECG Changes (MI, Electrical Imbalance, Myocardial hypertrophy)						
		Overview of acute coronary syndrome & management of heart failure & management of shock						
		Hypertension						

Pharmacology	Clinical pharmacology of antihypertensive drugs
 Gynae & Obs 	Cardiovascular changes in pregnancy
	Early Clinical Exposure (ECE)
 Cardiology 	See cases of Heart Failure and Dyspnea Raised JVP/Oedema
	Clinical Examination of Precordium
	Normal Heart Sounds
	Additional heart sounds See Cases of Coronary Heart Disease
 Radiology 	• X-Ray chest
	Cardiomegaly
	Radiological signs of heart failure
 Pediatrics 	See cases of congenital heart diseases
	Pediatric case of Heart Failure

Categorization of Modular Contents Anatomy

Category A*	Category B**		Category	C***	
		Demonstrations / SGD	CBL	SKL/Practical's	Self-Directed Learning (SDL)
• Embryology	• Histology	 Thoracic Wall / Thoracic Vertebra Mediastinum Pericardium Heart (External Features) Heart (Internal Features) Heart (Clinical Correlations) Vasculature of heart Innervation of heart Superior mediastinum Posterior mediastinum (Contents) Posterior mediastinum (Azygous system of veins) Surface marking / Radiology 	 Cardiac tamponade Coarctation of aorta 	 Elastic arteries Medium and small sized arteries Large veins Medium and small sized veins 	 Thoric Wall / Thoracic Vertebra Pericidum Mediastinum Vasculature of heart Superior mediastinum Azygous system of veins

Category A*: By Professor

Category B**: By Associate & Assistant Professors

Category C***: By Senior Demonstrators & Demonstrators

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.	Associate Professor	01
3.	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 * 10 = 20 hours
2.	Small Group Discussions (SGD)	2*11+1 =23 hours
3.	Practical / Skill Lab	1.5 * 20 = 30 hours

Contact Hours (Students)

	Hours Calculation for Various Type of Teaching	Total Hours
Sr. #	Strategies	
1.	Large Group Interactive Session (LGIS)	1 * 10 = 10 hours
2.	Small Group Discussions (SGD)	2*11+1 =23 hours
3.	Practical / Skill Lab	1.5 * 4 = 6 hours
4.	Self-Directed Learning (SDL)	1.5 * 8= 12 hours

Physiology

Category A*	Category B**			Category C***		
LGIS	LGIS	PBL	CBL	Practical's	SGD	SDL
 Short term regulation of blood pressure (Prof. Dr. Samia Sarwar/Dr Fahad) Long term regulation of blood pressure (Prof. Dr. Samia Sarwar/Dr Fahad) Circulatory Shock (Prof. Dr. Samia Sarwar/Dr Fareed) Coronary circulation, Atherosclerosis & acute coronary occlusion Prof. Dr. Samia Sarwar/Dr Fahad 	 Cardiac output & its control, measurement of cardiac output, pathologically high and low cardiac output (By Dr Sidra) Cardiac cycle - I, Events of cardiac cycle and its graphical representation (By Dr Sidra) Cardiac cycle – II, Functions of ventricles as pumps, aortic pressure curve, regulation of heart pumping (By Dr Sidra) Cardiac cycle, Events of cardiac cycle and its graphical representation, Functions of ventricles as pumps, aortic pressure curve, regulation of heart pumping (SDL) By Dr Sidra Introduction to CVS (By Dr 	1. 2.	 Pitting edema Palpitations/Tachycardia 	 Examination of arterial pulse Determination of Jugular Venous Pressure (JVP) Clinical examination of chest for CVS Determination of Blood Pressure (BP) Effect of exercise & posture on arterial blood pressure Recording of Electrocardiography (ECG) Cardiopulmonary resuscitation (CPR) Demonstration of Triple Response 	 Concept of vasomotion and starling forces Regulation of blood pressure Cardiac output and Venous return (second week) ECG & its clinical importance (second week) Arrhythmias (third week) Short term regulation of blood pressure (fourth week) Long term regulation of blood pressure (fourth week) Coronary circulation, Atherosclerosis & acute coronary occlusion (fourth week) Cardiac cycle (fourth week) 	1. SDL On Campus Heart Sounds 2. Capillary circulation, Concept of vasomotion and starling forces 3. Introduction to ECG & its clinical importance 4. Cardiac cycle - I, Events of cardiac cycle and its graphical representation 5. Arrhythmias 6. Congestive cardiac failure 7. Long term regulation of blood pressure 1. Skeletal muscle blood flow, Cardiovascular changes during exercise 1. SDL Off Campus

Fahad) Classification of blood vessels & Biophysical considerations (By Dr Aneela) Heart Sounds (By Dr Uzma) Regulation of blood flow (By Dr Aneela) Capillary circulation, Concept of vasomotion and starling forces (By Dr Fahad) Functions of veins, Venous return and factors affecting venous return (By Dr Kamil) Introduction to ECG & its clinical importance (By Dr Fahad) Vectorial analysis & arrhythmias I (By Dr Fahad) Arrhythmias II (By Dr Fahad) ECG changes in myocardial hypertrophies, ischemic heart disease (By Dr Fahad) Congestive cardiac failure (By Dr Fahad) Splanchnic circulation, cutaneous circulation,			Introduction to CVS 2. Classification of blood vessels & Biophysical considerations 3. Regulation of blood flow 4. Introduction to ECG & its clinical importance 5. Vectorial analysis & arrhythmias 6. Cardiac cycle 7. Splanchnic circulation, cutaneous circulation Regulation of blood pressure

(By Dr Fareed)			
Skeletal muscle			
blood flow,			
Cardiovascular			
changes during			
exercise			
• (By Dr Uzma)			
 Fetal circulation & 			
cardiac			
abnormalities in fetal			
circulation			
• (By Dr Fahad)			

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 / HumanResource	Total number ofteaching 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	07
5.	Residents of physiology department (PGTs)	06

Contact Hours (Faculty) & Contact Hours (Students)

	Hours Calculation for Various Type of Teaching	Total Hours
Sr. #	Strategies	
1.	Large Group Interactive Session (LECTURES)	22X1 =22 Hours
2.	Small Group Discussions (SGD)/CBL	1.5X4 = 6 Hours + 8 Hours (2nd,3rd,4th week) = 14 Hours
3.	Problem Based Learning (PBL)	
4.	Practical / Skill Lab	1.5X4 =6 Hours
5.	Self-Directed Learning (SDL)	8x1 = 8 Hours (On Campus) 8x1 = 8 Hours (Off Campus)

Biochemistry

Category A*	Category B**				
LGIS	LGIS	PBL	CBL	Practical's	SGD
 Simple Lipids Compound Lipids (phospholipids, glycolipids, lipoproteins) Prostaglandins 	 Definition and Biological importance of Lipids Fatty acids Derived lipids Cholesterol Introduction and classification of carbohydrates Isomerism, optical activity and mutarotation Monosaccharide Disaccharides Homopolysaccharides Heteropolysaccharides 		Atherosclerosis Heteropolysaccharides	 Lipid solubility Benedict's test and Molisch's test Barfoed's Test and Selivanoff's test Iodine Test 	 Classification of carbohydrates and lipids Classification and properties of fatty acids

Category A*: By HOD and Senior Demonstrator with Postgraduate Qualification.

Category B**: By Senior Demonstrators & APWMO

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	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 * 8 = 16 hours	08
2.	Small Group Discussions (SGD)	1.5 * 5 = 22.5hours	4.5
3.	Problem Based Learning (PBL)	Zero	zero
4.	Practical / Skill Lab	1.5 * 5= 22.5hours	4.5
5.	Self-Directed Learning (SDL)		08

First Year Timetable for CVS Module (First Week) 12-09-2024 to 18-09-2024

Date/Day	8:00 AM –	09:00 AM	09:00 AM	- 10:00 AM	10:00am – 10:20am	10:20an	n-11:20am	11:20an	n-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
		DISSECTI	ION/SGD			COMMUNITY I	MEDICINE (LGIS)	PHYSIOL	OGY (LGIS)		-	8
Thursday 12-09-2024		Thoracic Wall / T	horacic Vertebra		reak		rs of coronary ar disease	Introduction to CVS	Classification of Blood vessels & Biophysical considerations	reak	Practical &CBL Topics mentioned at the end	SDL Physiology Introduction to CVS
					A	Dr Rizwana (Even)	Dr Asif (Odd)	Dr Fahad (Even)	Dr. Aneela (Odd)	B		CVS
Date/Day	8:00 AM -	09:00 AM	09:00 AM	- 10:00 AM		10:00 AM - 11:0	0 AM	11:00 AM	- 12:00 PSM		l .	
	QURAN TRA	NSLATION-I	QURAN TRA	NSLATION-II		ANATOMY (Le	GIS)	PHYSIOL	OGY (LGIS)			
						Embryology	General Anatomy	Classification of		SDI	L Physiology	
Friday 12-09-2024	Muashrat-II	Mumamalat-I	Mumamalat-I	Muashrat-II	1	ment of Venous System	(General Organization of CVS)	Blood vessels & Biophysical considerations	Introduction to CVS	Classification	on of Blood vessels & ical considerations	
	Molana Abdul Wahid (Even)	Mufti Naeem (Odd)	Mufti Naeem (Even)	Molana Abdul Wahid (Odd)		Ayesha / Assoc Prof. Dr. Arsalan (Even)	Prof. Dr. Saima (Odd)	Dr. Aneela (Even)	Dr Fahad (Odd)			
	BIOCHEMIS	TRY (LGIS)	PBL 1 (S	ESSION I)		ANATO	MY (LGIS)	PHYSIOL	OGY (LGIS)	<u> </u>		
	Introduction and	Introduction and			*	General Anatomy	Embryology			B	Practical &CBL	SDL
Saturday 14-09-2024	classification of carbohydrates & Isomerism	classification of lipids &Fatty acids	DDI	Team	r e a	(General Organization of CVS)	Development of Venous System	Heart sounds	Regulation of blood flow	Bre	Topics mentioned at the end.	Biochemistry Classification & functions of
	Dr. Kashif (Even)	Dr. Uzma Zafar/Dr. Aneela (odd)	PBL	Team	В	Prof. Dr. Saima (Even)	Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Odd)	Dr. Uzma(even)	Dr. Aneela (Odd)			carbohydrates
Monday 16-09-2024							ad-un-Nabi Awwal 1446 A.H)					
	DISSECT	ION/SGD	BEHAVIOUR	AL SCIENCES		ANATO	MY (LGIS)	PHYSIOL	OGY (LGIS)			SDL
Tuesday	Medias	etinum	Breaking t	he bad news		General Anatomy	Embryology (Aortic Arches and	Regulation of	Heart sounds	ak	Practical &CBL Topics mentioned	Biochemistry Classification
17-09-2024	(General Feature		8			(Classification of vessels)	derivatives)	blood flow		r e	at the end.	& functions of
	,	,	Dr. Sadia Yasir (Even)	Dr. Zarnain (Odd)	*	Assoc Prof. Dr. Mohtasham (Even)	Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Odd)	Dr. Aneela (even)	Dr. Uzma (Odd)	P		Thurs.
	BIOCHEMIS	TRY (LGIS)	` ′	OGY (LGIS)	G C		(================================	` /	OGY (LGIS)			
Wednesday 18-09-2024	Introduction and classification of lipids &Fatty acids	Introduction and classification of carbohydrates & Isomerism	Functions of veins, Venous return and factors affecting venous return	Capillary circulation, Concept of vasomotion and starling forces	Bre	Topics menti	cal &CBL, oned at the end, tch 16-09-2024	Capillary circulation, Concept of vasomotion and starling forces	Functions of veins, Venous return and factors affecting venous return		Practical &CBL Topics mentioned at the end.	SDL Anatomy Thoracic Wall / Thoracic Vertebrae
	Dr. Uzma Zafar/Dr.Aneela (Even)	Dr. Kahif (Odd)	Dr Kamil (Even)	Dr Fahad (Odd)				Dr. Fahad (Even)	Dr. Kamil (Odd)			

					Table No.	1 (Time: 12:	20pm – 02:									
		r Practical Skills	Topics for Skill Lab with Venue						for Praction		Group Discussi					
(all subje			Elastic Arteries (Anatomy/ Histology	7- Day	Histolog	gy Practical	Bioche	emistry Practical		Physio	logy Practical	Ph	ysiology SGD		Bioch	emistry SGD
	nall Group D nistry and Ph		practical) venue Histology Laborator (Dr. Kashif)	у	Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name
Sr. No	Batch	Roll No.	 Lipid solubility (Biochemistry practive venue- Biochemistry Laboratory Examination of arterial pulse (Physic – practical) Physiology Laboratory 		С		В	Dr. Rahat		Е	Dr. Farid/ Dr. Ali Zain/Dr. Usman	A	Dr. Sheena/Dr. Nazia		D	Dr. Uzma
1.	A	01-70	Determination of Jugular Venous Pressure (JVP) (Physiology –practica Physiology Laboratory	Tuesday	D		С	Dr. Romessa	НОБ	A	Dr. Sheena/ DrNazia/D r. Afsheen	В	Dr. Uzma/Dr. Farah	НОБ	E	Dr. Alma
2.	В	71-140		Wednesday	у Е	Supervised by HOD	D	Dr. Uzma	Supervised by HOD	В	Dr. Uzma/ Dr. Farah/Dr/ Ramsha	С	Dr. Fahd/ Dr. Najam	Supervised by HOD	A	Dr. Romessa
3.	С	141-210		Thursday	В	Supervi	A	Dr. Almas	InS	D	Dr. Maryam/ Dr. Afsheen/ Dr. Farah	Е	Dr. Farid/ Dr. Ali Zain	InS	С	Dr. Romessa
4.	D	211-280		Saturday	A		Е	Dr. Romessa		С	Dr. Fahd/Dr. Najam/Dr. Ali	D	Dr. Maryam/ Dr. Afsheen		В	Dr. Raha
5.	Е	281-onwards	Topics for SGDs / CBL with Venue			Table N	lo. 2 Batch	Distribution and	Venues for	r Anatomy	Small Group D	iscussion S	SGDs / Dissections			
			Biochemistry tutorial – classification	of Batches	Ro	oll No	Anat	tomy Teacher				,	Venue			
			carbohyrates and lipids	A	0			ad	New Lecture theatre complex no.2							
			Concept of vasomotion and starling	В	91			Dr Ali Raza Dr Zeneara		ny Lecture	Hall No.03					
			forces. (SGD) (Physiology Lecture H	Iall C	18					ny Lecture	Hall No.04					
			No.05)	D	271-	onwards	Dr Qura	at ul Ain	New Le	ecture thear	re complex no.	3				
			Anatomy CBL: Cardiac Tamponade						rvised by	Prof. Dr. A	yesha Yousaf					
			Table No.	3 Batch Distribution	n with Venues a	and Teachers	Name for	Problem Based L	earning (P	PBL) Sessio	ons					
r No.	Batches	Roll No	Venue	Teachers	S	Sr No.	Batches	Roll No		Venu	ie		Teac	hers		
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Der Biochemistry)	nostrator	6.	C2	(176-210)			4 (Basement)		ab Zonish (PGT Phys		y)	
2.	A2	(36-70)	,	Dr. Farah (Demonstrator of P		7.	D1	(210-245)			2 (Basement)	Dr. Iqra Ayub (PGT Physiolog		gy)		
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid Biochemistry)	(Demostrator	8.	D2	(246-280)			(Basement)	(PGT Pl	nammad Usman hysiology)			
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Ali Raza (Senior Demonstrat Anatomy)		9.	E1	(281-315)		ecture Hall			nsha (PGT Physiolog	y)		
5.	C1	(141-175)	, , , ,	Dr. Ali Zain (PGT		10	E2	(315 onwards)	Lecture	Hall no.04	1		ad Hassan strator Physiology)			
				ble No. 6 Venues fo												
			Odd Roll Num		New Lecture				_							
			Even Roll Nun	hor	New Lecture	Hall Comple	x Lecture T	Cheater # 02	I							

First Year Timetable for CVS Module (Second Week) 19-09-2024 to 25-09-2024

Date/Day	8:00 AM – 09	2:00 AM	09:00 AM -	- 10:00 AM	10:00am – 10:20am	10:20am	-11:20am		m-12:10pm	12:10pm 12:30pm		Home Assignment
		CBL/D	ISSECTION			RADIOLO	GY (LGIS)	PHYSIC	DLOGY (LGIS)			
Thursday 19-09-2024		Pericardium /	Cardiac tamponad	e	Break	Chest radiograph with perspec	ctive of cardiovascular system	Introduction to ECG & its clinical importance	Cardiac output & its control, measurement of cardiac output, pathologically high and low cardiac output-I	Break	Practical &CBL Topics mentioned at the end	SDL Physiology Regulation of blood flow
					H	Dr Aniqua (Even)	Dr. Fiza (Odd)	Dr Fahd (Odd)	Dr Sidra (Even)	T		
Date/Day	8:00AM -	09:00 AM	09:00AM	I – 10:00 AM		10:00 AM - 11:00	AM	11:00 A	M – 12:00 PM			
	QURAN TRAN	SLATION -III	QURAN TRA	ANSLATION -IV		PBL 1 (SESSION	III)	PHYSIC	OLOGY (LGIS)			
Friday 20-09-2024	Mumamalat -II Mufti Naeem (even)	Mufti Naeem Molana Molana Mufti Naeem Abdul Abdul Wabid Mufti Nae				PBL Team		Cardiac output & its control, measurement of cardiac output, pathologically high and low cardiac output-II		Intro	SDL Physiology oduction to ECG & its clinical importance	
		waniu (Odd)	(even)					Dr. Sidra (Odd)	Dr Fahd (Even)			
		DISSE	CTION/SGD			ANATOM	IY (LGIS)	, ,	OLOGY (LGIS)			
						Embryology	General Anatomy	Vectorial analysis &				SDL Biochemistry
Saturday 21-09-2024	21-09-2024 Heart (External Features)				(Aortic Arches and derivatives)	(Classification of vessels)	arrhythmias I	Events of cardiac cycle and its graphical representation		Practical &CBL Topics mentioned at the end	Fatty acids & Simple lipids	
				Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Even)	Assoc Prof. Dr. Mohtasham (Odd)	Dr. Fahad (even)	Dr Sidra (Odd)					
		DISSE	CTION/SGD			ANATOM			DLOGY (LGIS)		Practical &CBL	
Monday 23-09-2024		Heart (Clinical (Correlations of Hea	nrt)		Histology (Arteries and Veins)	Embryology (Formation, Position and Partitioning of heart tube)	Cardiac cycle - I, Eve of cardiac cycle and graphical representati	its Vectorial analysis &		Topics mentioned at the end	SDL Biochemistry Classification and Chemical reactions of
					~	Assoc. Prof. Dr. Mothashim (Even)	Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Odd)	Dr Sidra (even)	Dr Fahd (Odd)	Ā		Monosaccharides
		DISSE	CTION/SGD		a (BIOCHEMIS	STRY (LGIS)		OLOGY (LGIS)	a		
Tuesday 24-09-2024		Heart (Int	ternal Features)		Bre	Mutarotation & Monosaccharides & their chemical reaction	Simple lipids & Compound lipids		Cardiac cycle – II, Functions of ventricles as pumps, aortic pressure curve, regulation of heart pumping	Bre	Practical &CBL Topics mentioned at the end	SDL Anatomy Heart
						Dr. Uzma (even)	Dr. Aneela (Odd)	Dr. Fahd (Even)	Dr. Sidra (Odd)			
	BEHAVIOUR	SCIENCES	BIOCHEMI	STRY (LGIS)		PATHOLO	OGY (LGIS)	PHYSIC	OLOGY (LGIS)			
W-11	Gt: t	-4-1 :11	Simple lipids &	Mutarotation & Monosaccharides		Ede	ema	Cardiac cycle – II, Functions of ventricles as pumps, aortic			Practical &CBL	CDI Anatawa
25-09-2024	Vednesday 5-09-2024 Stigma to mental illness Compound lipids	lipids chemical reaction		Dr Fariha (Even) Dr Rabia (Odd)		pressure curve, regu heart pumpir	curve, regulation of Affilyumias II		Topics mentioned at the end	SDL Anatomy Vassculature of Heart Online Evaluation		
	Dr. Azeem Rao (Even)	Curamian Drizma (Odd)		, ,	Dr. Sidra (Even)							

					Table No.	. 1 (Time:	12:20 pm - 02	:00pm)								
Batch Di	stribution for	r Practical Skills	Topics for Skill Lab with Venue					Schedule	for Practica	al / Small	Group Discussion	on				
all subje			Medium & Small Sized Arteries	Day	Histolo	gy Practic	al Bioch	emistry Practical		Physic	logy Practical	Ph	nysiology SGD		Bioch	emistry SGI
	nall Group D nistry and Ph		(Anatomy/ Histology-practical) ver Histology Laboratory (Dr. Kashif)	nue	Batch	Teach Nam		Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teache Name
Sr. No	Batch	Roll No.	Molisch's Test & Benedict's Test (Biochemistry practical) venue- Biochemistry Laboratory Clinical examination of chest for C	Monday	С		В	Dr. Rahat		Е	Dr. Farid/ Dr. Ali Zain/Dr. Usman	A	Dr. Sheena/Dr. Nazia		D	Dr. Uzm
1.	A	01-70	 (Physiology –practical) Physiology Laboratory Determination of Blood Pressure (E) 		D	<u> </u>	С	Dr. Romessa	НОБ	A	Dr. Sheena/ DrNazia/D r. Afsheen	B Dr. Uzma/Dr. Farah	НОБ	E	Dr. Alma	
2.	В	71-140	(Physiology –practical) Physiology Laboratory		y E	Supervised by HOD	D	Dr. Uzma	Supervised by HOD	В	Dr. Uzma/ Dr. Farah/Dr/ Ramsha	С	Dr. Fahd/ Dr. Najam	Supervised by HOD	A	Dr. Romessa
3.	С	141-210		Thursday	В	Superv	A	Dr. Almas	nS	D	Dr. Maryam/ Dr. Afsheen/ Dr. Farah	Е	Dr. Farid/ Dr. Ali Zain	nS	С	Dr. Romessa
4.	D	211-280		Saturday	A		Е	Dr. Romessa		С	Dr. Fahd/Dr. Najam/Dr. Ali	D	Dr. Maryam/ Dr. Afsheen		В	Dr. Raha
5.	Е	281-onwards	Topics for SGDs / CBL with Venu	e		Tabl	e No. 2 Batch	Distribution and	Venues for	Anatomy	Small Group Di	iscussion S	SGDs / Dissections	•		
			Biochemistry tutorial – Classification		R	Roll No	Ana	tomy Teacher				,	Venue			
			Properties of Fatty Acids. (Biochemi	stry A	(01-90	Dr Sajj				tre complex no.2	2				
			Basement demo room)	В	9	91-180	Dr Ali	Raza	Anatomy	y Lecture	Hall No.03					
			Physiology CBL- Pitting edema	С	13	81-270	Dr Zen	eara			Hall No.04					
			(Physiology Lecture Hall No.05)	D	271-	onwards	Dr Qur	at ul Ain	New Lec	ture thea	tre complex no.3	3				
								Supe	ervised by P	rof. Dr. A	yesha Yousaf					
				 3 Batch Distribution 					earning (PE							
r No.	Batches	Roll No	Venue	Teachers		Sr No.	Batches	Roll No		Veni			Teac			
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Latif (Der Biochemistry)	nostrator	6.	C2	(176-210)			4 (Basement)	Dr. Nayab Zonish (PGT Phys			(y)	
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Dr. Farah (Demonstrator of P		7.	D1	(210-245)	Lecture 1	Hall no.0	2 (Basement)	•	Ayub (PGT Physiolo	ogy)		
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid Biochemistry)	(Demostrator	8.	D2	(246-280)			(Basement)	(PGT Pl	hammad Usman hysiology)			
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Ali Raza (Senior Demonstrat Anatomy)	tor of	9.	E1	(281-315)	New Lecture Hall no.01		no.01	Dr. Ramsha (PGT Physiology		y)		
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT	Physiology)	10	E2	(315 onwards)	Lecture	Hall no.0	4		ad Hassan			

(Demonstrator Physiology)

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

Odd Roll Numbers New Lecture Hall Complex Lecture Theater # 03

Even Roll Number New Lecture Hall Complex Lecture Theater # 02

First Year Timetable for CVS Module (Third Week) 26-09-2024 to 02-10-2024

Date/Day	8:00 AM -	- 09:00 AM	09:00 AM - 1	10:00 AM	10:00am – 10:20am	10:20am-1	1:20am	11:20a	m-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
		DISSECT	ION/SGD		10.20am	ANATOMY	(LGIS)	PHYSIO	LOGY (LGIS)	12.50pm	2.00pm	Assignment
Thursday 26-09-2024		Vassculature of Heart (Coarctation of Aorta)			reak	Embryology (Formation, Position and Partitioning of heart tube)	Histology (Arteries and Veins)	ECG changes in myocardial hypertrophies, ischemic heart disease	Short term regulation of blood pressure	reak	Practical &CBL Topics mentioned at the end	SDL Physiology Regulation of BP
					B	Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Even)	Assoc. Prof. Dr. Mothashim (Odd)	Dr. Fahd(Even)	ProfDr. Samia / Dr.Kamil (Odd)	B		
Date/Day		8:00AM -	10:00 AM			10:00AM - 11:00 AM	M.	11:00 Al	M – 12:00 PM		•	
		DISSECT	ION/SGD			ANATOMY (LGIS		PHYSIO	LOGY (LGIS)			
Friday 27-09-2024	Innervation of Heart			(Formation	Embryology Histology ation and partitioning of Ventricles) (Capillaries)		Short term regulation of blood pressure ECG changes myocardial hypertrophie ischemic hea disease		SDL Physio Regulation o			
					Prof. Dr. A	/esha / Assoc Prof. Dr. Arsalan (Even)	Assoc. Prof. Dr. Mothashim (Odd)	Prof. Dr. Samia / Dr Kamil (Even)	Dr. Fahd (Odd)			
	BIOCHEM	ISTRY (LGIS)	FAMILY M	EDICINE		ANATOMY	(LGIS)	PHYSIO	LOGY (LGIS)			
Saturday 28-09-2024	Derived lipids Disaccharides &homopolysa ccharides					Histology (Capillaries)	Embryology (Formation and partitioning of Ventricles)	Congestive cardiac failure	Long term regulation of blood pressure		Practical &CBL Topics mentioned at the end	SDL Biochemistry Disaccharides
	Dr. Kahif (even)	Dr. Uzma/Dr. Aneela (Odd)	Dr Sadia	ı khan		Assoc. Prof. Dr. Mothashim (Even)	Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Odd)	Dr.Fareed (Even)	ProfDr. Samia / Dr. Kamil (Odd)		at the chu	
		DISSECT	ION/CBL			ANATOMY	(LGIS)	PHYSIO	LOGY (LGIS)			
Monday 30-09-2024	Superior M	Mediastinum (Trac Aor	chea, Esophagus A	ascending	eak	Embryology (Fetal Circulation)	Histology (Tunics of heart & Lyphatic System)	Long term regulation blood pressure	of Congestive cardiac failure	e a k	Practical &CBL Topics mentioned	SDL Biochemistry Compound
30 07 2024		(Coarctaior	,		Bre	Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Even)	Assoc. Prof. Dr. Mothashim (Odd)	Prof.Dr. Samia /Dr. Kamil (Even)	Dr. Fareed (Odd)	Br	at the end	lipids
		FICIAL LIGENCE	BIOCHEMIST	CRY (LGIS)		PHYSIOLOG	GY (LGIS)	PHYSIO	LOGY (LGIS)			
Tuesday 01-10-2024		Lecture	Disaccharides &homopolysac charides	Derived lipids		Splanchnic circulation, cutaneous circulation	Skeletal muscle blood flow, Cardiovascular changes during exercise	Fetal circulation & cardiac abnormalities fetal circulation			Practical &CBL Topics mentioned at the end	SDL Anatomy Innervation of Heart
	Prof. Dr. I	Riaz Sheikh	Dr. Uzma/Dr. Aneela (Even)	Dr. Kahif (Odd)		Dr. Fareed (Even)	Dr Uzma (Odd)	Dr.Fahad (Even)	Prof. Dr. Samia Sarwar / Dr. Fareed (Odd)		at the end	Healt
Wednesday 02-10-2024						E	arly Clinical Exposure					

						Table No.	1 (Time: 1	2:20pm – 02	* 1								
		Practical Skills	Topics for Skill Lab with V							for Practi		Group Discussion					
(all subje			Large Veins (Anatomy/ History)		7			Biochemistry Practical		Physiology Practical		Physiology SGD				emistry SGD	
	nall Group D		practical) venue Histology La	boratory		Batch	Teache		Teacher		Batch	Teacher	Batch	Teacher Name		Batch	Teacher
	nistry and Ph	• •	(Dr. Kashif)	` '			Name		Name			Name					Name
Sr. No	Batch	Roll No.	Selivanoff's Test & Barfoed's		Monday	C		В	Dr. Rahat		Е	Dr. Farid/	Α	Dr. Sheena/Dr.		D	Dr. Uzma
			(Biochemistry practical) venu	e-								Dr. Ali Zain/Dr.		Nazia			
			Biochemistry LaboratoryEffect of exercise and posture	on arterial								Usman					
1	A	01-70	blood pressure (Physiology –		Tuesday	D		С	Dr. Nayab	1	A	Dr. Sheena/	В	Dr. Uzma/Dr.		Е	Dr. Almas
1.	11	01 70	Physiology Laboratory	oractical)	Tuesday				Di. i tuyuo	Q	11	DrNazia/D		Farah	OD		D1. Tillings
			Recording of Electrocardiogram	aphy (ECG)						Supervised by HOD		r. Afsheen			HOD		
2.	В	71-140	(Physiology –practical). Phys		Wednesday	Е	НОБ	D	Dr. Uzma	by	В	Dr. Uzma/	С	Dr. Fahd/ Dr.		A	Dr.
			Laboratory				by I			eq		Dr.		Najam	ed		Romessa
							%			Z.		Farah/Dr/			rvi		
	~	111.010				_	Supervised			nbe		Ramsha			Supervised by	~	
3.	С	141-210			Thursday	В	per	A	Dr. Almas	S	D	Dr.	Е	Dr. Farid/ Dr. Ali	Sı	C	Dr.Romess
							Su					Maryam/ Dr.		Zain			a
												Afsheen/					
												Dr. Farah					
4.	D	211-280	7		Saturday	A		Е	Dr. Romessa	1	С	Dr.	D	Dr. Maryam/ Dr.		В	Dr. Rahat
												Fahd/Dr.		Afsheen			
												Najam/Dr.					
												Ali					
5.	Е	281-onwards	Topics for SGDs / CBL with		5					Venues fo	or Anatomy	Small Group D		SGDs / Dissections			
			Biochemistry CBL- Atheros CDL Paleire CBL Paleire		Batches		ll No		tomy Teacher	NI I	4 41	1 0		Venue			
			 Physiology CBL Palpitation Tachycardia (Physiology Le 		A B		1-90 -180	Dr Sajj Dr Ali		_		re complex no.2 Hall No.03	<u>'</u>				
			No.05)	cture maii	С		-180 1-270	Dr Zen				Hall No.04					
			Anatomy CBL: Coarctation	of Aorta	D		onwards		at ul Ain			re complex no.3	2				
			I materily CBE. Coulcutton	01110114	- Б	2/1-	mwarus	Di Qui				yesha Yousaf	,				
			Tal	ole No. 3 Bate	ch Distribution w	ith Venues a	and Teache	ers Name for	Problem Based Le								
Sr No.	Batches	Roll No	Venue		Teachers		Sr No.	Batches	Roll No		Venu			Teac	hers		
1.	A1	(01-35)	Lecture Hall no.05 Physiology			ator	6.	C2	(176-210)	Lecture	e Hall no.04	(Basement)	Dr. Nay	ab Zonish (PGT Phys	iolog	(y)	
			, ,	Biochemistry)										· · · · · · · · · · · · · · · · · · ·		-	
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Fara			7.	D1	(210-245)	Lecture	e Hall no.02	2 (Basement)	Dr. Iqra	Ayub (PGT Physiolo	gy)		
	1		Anatomy)	· · · · · · · · · · · · · · · · · · ·		logy)											

No PBL Session during this week

8.

9.

10

D2

E1

E2

(246-280)

(281-315)

(315 onwards)

Conference Room (Basement)

New Lecture Hall no.01

Lecture Hall no.04

Dr. Muhammad Usman

Dr. Ramsha (PGT Physiology)

(Demonstrator Physiology)

(PGT Physiology)

Dr. Jawad Hassan

Table No. 6 Venues for Large Group Interactive Session (LGIS)						
Odd Roll Numbers New Lecture Hall Complex Lecture Theater # 03						
Even Roll Number	New Lecture Hall Complex Lecture Theater # 02					

Dr. Rohina Khalid (Demostrator

(Senior Demonstrator of Anatomy)

Dr. Ali Zain (PGT Physiology)

Biochemistry)

Dr. Ali Raza

В1

B2

C1

3.

4.

5.

(71-105)

(106-140)

(141-175)

Anatomy Museum (First Floor

Lecture Hall no.03 (First Floor)

Lecture Hall no.05 (Basement)

Anatomy)

First Year Timetable for CVS Module (Fourth Week) 03-10-2024 to 09-10-2024

Date/Day	8:00 AM – 0	9:00 AM	09:00 AM – 1	10:00 AM	10:00am – 10:20am	10:20an	1-11:20am	11:20am	-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
		D	ISSECTION/SGD		k	PBL 2 (S	SESSION I)	PHYSIOLO	OGY (LGIS)	·		
Thursday 03-10-2024		Po	sterior mediastinum		real	PRI	. Team	Circulatory shock	Fetal circulation & cardiac abnormalities in fetal circulation	e a k	Practical &CBL Topics mentioned at the end.	SDL Anatomy Superior Mediastinum
00 10 2021			(Contents)		B	TBL Team		Prof. Dr. Samia Sarwar / Dr. Fareed (Even)	Dr.Fahad (Odd)	Br	at the shar	
Date/Day	8:00AM - 09	:00 AM	09:00AM - 1	0:00 AM		10:00 AM - 11:00	AM	11:00 AM	- 12:00 PM		•	
	MEDIC	INE	PHYSIOLOG	SY (LGIS)				PHYSIOLO	OGY (LGIS)			
Friday 04-10-2024	Overview of coronary syn Managemen failure & Ma of sho	drome & t of heart nagement	Skeletal muscle blood flow, Cardiovascular changes during exercise	Splanchnic circulation, cutaneous circulation		Topics mentioned at the end Wednesday Potch 25 00 2024 Ather		Coronary circulation, Atherosclerosis & acute coronary occlusion	Short term regulation of blood pressure	Vecto	L Physiology orial analysis & urrhythmias	
	Dr. Asad cardiologist (Even	Dr. Hasnain (Odd)	Dr.Uzma(Even)	Dr. Fareed (Odd)				ProfDr. Samia/ Dr. kamil (Even)	Dr. Najam SDL (Odd)			
	MEDICINI	E(LGIS)	PHYSIOLOGY	SDL NO 2		ANATOMY (LO	GIS)	PHYSIOLO	OGY (LGIS)			
Saturday 05-10-2024	Hyperte	nsion	Long term & Regu Pressu		(Tunics o	Histology f heart & Lyphatic System)	Embryology (Fetal Circulation)	Short term regulation of blood pressure	Coronary circulation, Atherosclerosis & acute coronary occlusion	ea k	Practical &CBL Topics mentioned at the end	SDL Physiology Cardiac cycle
00 10 2021	Dr. Asad cardiologist (Even)	Dr. Hasnain (Odd)	Dr. Iqra (Even)	Dr. Nayab (Odd)	Assoc. Pr	of. Dr. Mothashim (Even)	Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Odd)	Dr. Najam SDL (Even)	Prof. Dr. Samia/ Dr.Kamil (Odd)	Br	at the end	
	PHARMAC	OLOGY	BIOCHEMIST	TRY(LGIS)		GYNAE &	OBS (LGIS)	PHYSIOLOG	GY SDL NO 3			
Monday 07-10-2024	Clinical Phar of Anti hypo drug	ertensive	Heteropolysaccharides	Prostaglandins			orders in pregnancy ension, pre-eclampsia)		w, Cardiovascular changes exercise		Practical &CBL Topics mentioned at the end	SDL Biochemistry Prostaglandins
	(Even)	(Odd)	Dr. Kashif (even)	Dr. Aneela (Odd)		Dr. Saima Khan(Even)	Dr. Sadia Bano (Odd)	Dr. Iqra (Odd)	Dr. Nayab (Even)		at the end	
		D	ISSECTION/SGD		¥	BIOCHEM	ISTRY(LGIS)	EYE	LGIS	Ä		
m 1					e a	Prostaglandins	Heteropolysaccharides	Hypertensive	e Retinopathy	e a	Practical &CBL	SDL Biochemistry
Tuesday 08-10-2024			sterior Mediastinum gous system of Veins)		Br	Dr. Aneela (even)	Dr. Kashif (Odd)	Dr. Sehar Umer (Even)	Dr. Sehar Umer (Even)	Br	Topics mentioned at the end	Heteropoly saccharides
		D	ISSECTION/SGD			PBL 2 (S	ESSION II)	PHYSIOLOG	Y (SDL) NO. 4	1	D	SDL Anatomy
Wednesday 09-10-2024			tional Anatomy / Radiolo	ogy			. Team	Heart Sounds & Cardiac Cycle			Practical &CBL Topics mentioned at the end	Posterior Mediastinum Online
								Dr. Maryam (Even)	Dr. Ramsha (Odd)			ClinicalEvaluation

			_				Table No.	1 (Time: 1	2:20pm – 02	2:00pm)								
Batch Di	stribution for	Practical Skills		Topics for Skill Lab with Venue					•		for Practi	ical / Small	Group Discussion	on				
(all subje	ects)			Medium & Small Sized Veins		Day	Histolog	y Practica	al Bioch	nemistry Practical		Physio	logy Practical	Pł	hysiology SGD		Bioche	mistry SGD
CBL / Sr	nall Group D nistry and Ph			(Anatomy/ Histology-practical) venu Histology Laboratory (Dr. Kashif)	ue		Batch	Teach Name	er Batch			Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name
Sr. No	Batch	Roll No.		 Iodine Test (Biochemistry practical) venue- Biochemistry Laboratory Cardiopulmonary resuscitation (CPR (Physiology –practical) Physiology 		Monday	С		В	Dr. Rahat		Е	Dr. Farid/ Dr. Ali Zain/Dr. Usman	A	Dr. Sheena/Dr. Nazia		D	Dr. Uzma
1.	A	01-70	•	Laboratory Demonstration of Triple Response (Physiology –practical) (Physiology		Tuesday	D		С	Dr. Romessa	НОБ	A	Dr. Sheena/ DrNazia/D r. Afsheen	В	Dr. Uzma/Dr. Farah	НОБ	Е	Dr. Almas
2.	В	71-140		Physiology Laboratory		Wednesday	Е	ised by HOD	D	Dr. Uzma	Supervised by	В	Dr. Uzma/ Dr. Farah/Dr/ Ramsha	С	Dr. Fahd/ Dr. Najam	pervised by HOD	A	Dr. Romessa
3.	С	141-210				Thursday	В	Supervised	A	Dr. Almas	InS	D	Dr. Maryam/ Dr. Afsheen/ Dr. Farah	Е	Dr. Farid/ Dr. Ali Zain	Super	С	Dr. Romessa
4.	D	211-280				Saturday	A		Е	Dr. Romessa		С	Dr. Fahd/Dr. Najam/Dr. Ali	D	Dr. Maryam/ Dr. Afsheen		В	Dr. Rahat
5.	Е	281-onwards		Topics for SGDs / CBL with Venue				Table	e No. 2 Batcl	n Distribution and V	Venues fo	or Anatomy	Small Group Di	scussion	SGDs / Dissections			
			•	Biochemistry Heteropolysaccharides		Batches	Ro	ll No		atomy Teacher					Venue			
				CBL (Biochemistry Basement demo		A	0	1-90	Dr Saj		New L	ecture theat	re complex no.2	,				
				room)		В	91	-180	Dr Ali	Raza	Anator	ny Lecture	Hall No.03					
			•	Physiology tutorial- Regulation of blo		С	18	1-270	Dr Zei	neara	Anator	ny Lecture	Hall No.04					
				pressure (Physiology Lecture Hall No	0.05)	D	271- 0	onwards	Dr Qu	rat ul Ain	New L	ecture theat	re complex no.3					
													yesha Yousaf					
				Table No. 3	3 Batch	Distribution wi	ith Venues a	and Teach	ers Name for	r Problem Based Le	earning (I	PBL) Sessio	ons					
Sr No.	Batches	Roll No		nue		Teachers		Sr No.	Batches	Roll No		Venu			Teac	hers		
1.	A1	(01-35)	L	, ,,	r. Sana ochemi	Latif (Demostra	ntor	6.	C2	(176-210)	Lecture	e Hall no.04	(Basement)	Dr. Nay	yab Zonish (PGT Phys	siolog	gy)	
	1	1				• •		t 1			1							

	Table No. 6 Ven	ues for Large Group	Interactiv	ve Session (L	LGIS)		
Odd Roll N	umbers	New Lecture Hall Complex Lecture Theater # 03					
Even Roll N	lumber	New Lecture F	Hall Com	plex Lecture	Theater # 02		

7.

8.

9.

10

D1

D2

E1

E2

(210-245)

(246-280)

(281-315)

(315 onwards)

Lecture Hall no.02 (Basement)

Conference Room (Basement)

New Lecture Hall no.01

Lecture Hall no.04

Dr. Iqra Ayub (PGT Physiology)

Dr. Ramsha (PGT Physiology)

(Demonstrator Physiology)

Dr. Muhammad Usman

(PGT Physiology)

Dr. Jawad Hassan

2.

3.

4.

5.

A2

B1

B2

C1

(36-70)

(71-105)

(106-140)

(141-175)

Lecture Hall #.04 (1st Floor

Anatomy Museum (First Floor

Lecture Hall no.03 (First Floor)

Lecture Hall no.05 (Basement)

Anatomy)

Anatomy)

Dr. Farah

Biochemistry)

Dr. Ali Raza

(Demonstrator of Physiology)

Dr. Rohina Khalid (Demostrator

(Senior Demonstrator of Anatomy)

Dr. Ali Zain (PGT Physiology)

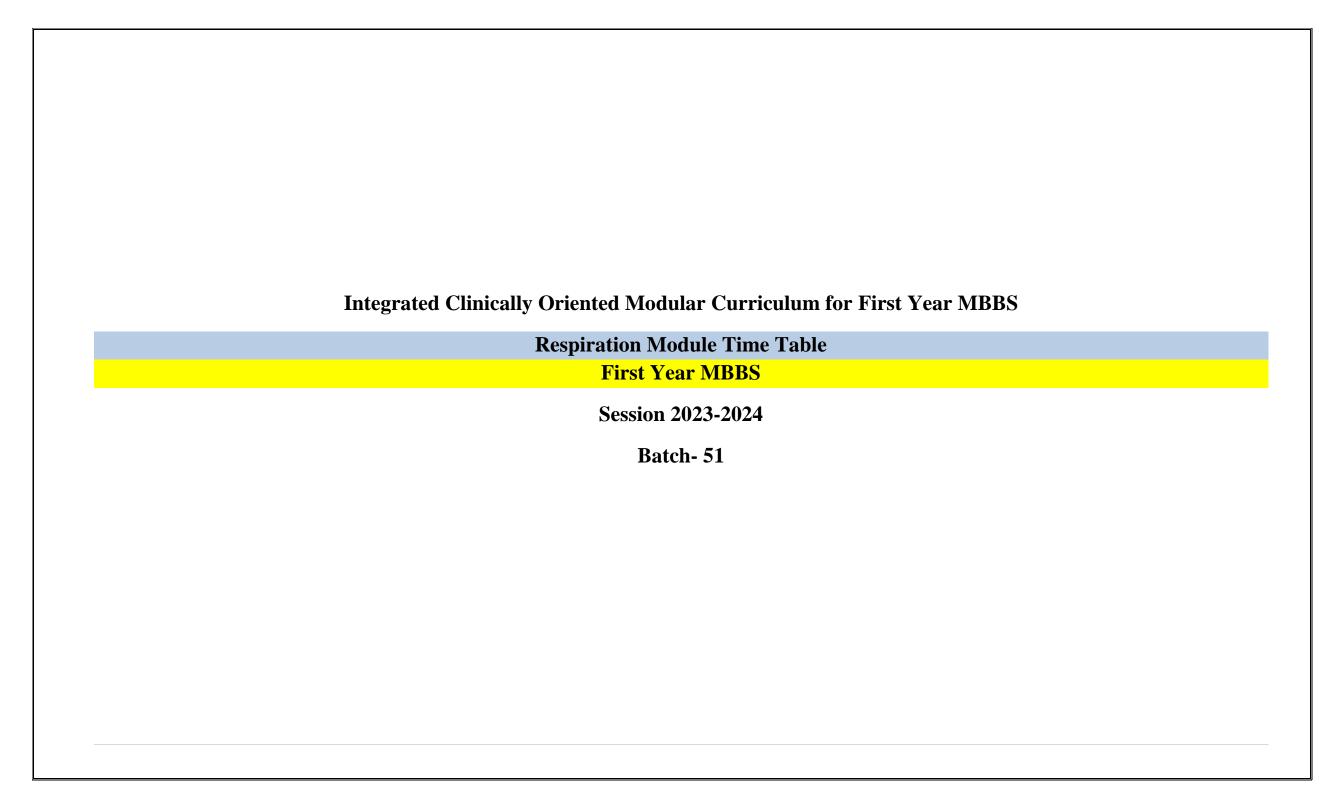
Schedule for LMS Based Weekly Online Assessments for First Year MBBS (CVS Module)

The online assessment for CVS Module for First Year MBBS will be as per following schedule:

Class	Module	Day & Date	Time of	Focal person	Department
			Assessment		Responsible
		Monday	7:00 pm-	Prof. Dr Ayesha	Anatomy
		23-09-2024	7:30pm	Yousaf	
		Tuesday	7:00 pm-	Prof. Dr Samia	Physiology
		24-09-2024	7:30pm	Sarwar	
First Year	CVS Module	Wednesday 25-09-2024	7:00 pm- 7:30pm	Dr Aneela Jamil	Biochemistry
MBBS		Monday	7:00 pm-	Prof. Dr Ayesha	Anatomy
		30-09-2024	7:30pm	Yousaf	
		Tuesday	7:00 pm-	Prof. Dr Samia	Physiology
		01-10-2024	7:30pm	Sarwar	
		Wednesday	7:00 pm-	Dr Aneela Jamil	Biochemistry
		02-10-2024	7:30pm		

First Year Timetable for CVS Module (Fifth Week) 10-10-2024 to 16-10-2024

DAY/ TIME	8:00AM- 02:00pm
Thursday 10-10-2024	
Friday 11-10-2024	
Saturday 12-10-2024	
Monday 14-10-2024	Assessment Week
Tuesday 15-10-2024	
Wednesday 16-10-2024	



Respiration Module Team

Module Name : Respiration Module

Duration of module : 04 Weeks Coordinator : Dr. Rahat

Lectures

14. Focal Person Family Medicine

Co- Coordinator : Dr. Qurat ul Ain Review by : Module Committee

Dr. Sadia Khan

	Module Comn	nittee		N	Iodule Task Force Team
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Rahat (Senior Demonstrator of Biochemistry)
2.	Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	2.	DME Focal Person	Dr. Farzana Fatima
3.	Director DME	Prof. Dr. Ifra Saeed	3.	Co-coordinator	Dr. Qurat ul Ain (Senior Demonstrator of Anatomy)
4.	Chairperson Physiology	Prof. Dr. Samia Sarwar	4.	Co-Coordinator	Dr. Almas Ejaz (Demonstrator Biochemistry)
5.	Chairperson Biochemistry	Dr. Aneela Jamil	5.	Co-coordinator	Dr. Fareed Ullah Khan (Senior Demonstrator Physiology)
6.	Focal Person Anatomy First Year MBBS	Asso. Prof. Dr. Mohtashim Hina			
				DI	
7.	Focal Person Physiology	Dr. Sidra Hamid		Di	ME Implementation Team
7.	Focal Person Physiology	Dr. Sidra Hamid	1.	Director DME	Prof. Dr. Ifra Saeed
7. 8.	Focal Person Biochemistry	Dr. Sidra Hamid Dr. Aneela Jamil	1. 2.		*
	, 5,		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 Implementation Incharge 1st & 2 nd	Prof. Dr. Ifra Saeed Dr. Farzana Fatima Prof. Dr. Ifra Saeed
8.	Focal Person Biochemistry Focal Person Pharmacology	Dr. Aneela Jamil Dr. Zunera Hakim	1. 2. 3.	Director DME Assistant Director DME Implementation Incharge 1st & 2 nd Year MBBS	Prof. Dr. Ifra Saeed Dr. Farzana Fatima Prof. Dr. Ifra Saeed Dr. Farzana Fatima
8. 9.	Focal Person Biochemistry Focal Person Pharmacology Focal Person Pathology	Dr. Aneela Jamil Dr. Zunera Hakim Dr. Asiya Niazi	1. 2. 3.	Director DME Assistant Director DME Implementation Incharge 1st & 2 nd Year MBBS	Prof. Dr. Ifra Saeed Dr. Farzana Fatima Prof. Dr. Ifra Saeed Dr. Farzana Fatima

Discipline wise Details of Modular Content

Block	Module	General Embryology Anatomy	Histology	Gross Anatomy
	• Anatomy	Embryology of Respiratory System	Histology of Upper & Lower Respiratory System	Gross Anatomy of Upper & Lower Respiratory System
	Biochemistry	pH, Electron transport chain, Oxidative phosphoryla acid base regulation	ation, Water soluble vitamins ribofl	avin, biotin, pyridoxine, pantothenic acid, Normal
	 Physiology 	 Pulmonary Ventilation, Pulmonary Volumes and Company Pulmonary Circulation, Pulmonary Edema, Physical Respiratory Membrane Transport of Oxygen and Company Regulation of Respiration Useful Methods for Studying Respiratory Abnormational Respiration Respiratory changes during Education 	Il Principles of Gas Exchange; Diffu arbon Dioxide in Blood and Tissue dities, Respiratory Insufficiency, Hy exercise, Aviation, Space & Deep-S	usion of Oxygen and Carbon Dioxide Through the Fluids ypoxia & Oxygen Therapy, Hypercapnia &
III	The Holy Quran Translation	Immaniat- V & VIIbaadat-V	l Courses	
	Artificial Intelligence	Artificial Intelligence basic concepts		
	 Family Medicine 	Approach to a patient with cough hemoptysis & sho	ortness of breath	
	 Climate Change & Health 	 Effects of Climate Changes on Body Systems (IHD) Effects of Climate Changes on Respiratory System Greenhouse effect Global warming and climate change 		eers)
	 Bioethics Professionalism & Behavioral Sciences 	Crises intervention and disaster Conflict resolution	and empathy	
		Vertical	Integration	
	Medicine	Tuberculosis		
	 Pathology 	Clinical disorders of Respiration		
	• ENT	Foreign body nose & ear &Tonsillitis		
			Exposure (ECE)	
	 Medicine 	Dyspnea Observe/see patients Granting & Archaeles GOPD and a Copple of the Co		
		Cyanosis & see Asthma case COPD cases		

	•	Tuberculosis cases with fibrosis of lungs
• Sur	rgery	See cases of Flail chest & Pneumothorax
	•	Chest intubation
• Rac	diology	Radiology of chest
	•	Chest X-ray at different level with reference to Anatomy and Pathologies

Categorization of Modular Contents Anatomy

Category A*	Category B**		Category	y C***	
Special Embryology	Special Histology	Demonstrations / SGD	CBL	Practical's	Self-Directed Learning (SDL)
		 Nose and Paranasal sinuses Larynx and trachea Overview of thoracic wall Skeleton of thoracic wall (Ribs) Skeleton of thoracic wall (Sternum) Joints of Thoracic Wall Thoracic Apertures Movements Of Thoracic Wall & Intercostal Spaces Diaphragm Vasculature of thoracic wall Innervation of Thoracic Wall Pleura Lungs Radiology & Surface Marking 	 Lungs and its lymphatics Thorax & Pleura 	 Nose/paranasal sinuses /epiglottis Trachea Lungs 	 Nose paranasal sinus larynx and trachea Skeleton of thoracic wall Movement of Thoracic Wall & Intercostal Spaces Anatomy Of diaphragm Anatomy Pleura Lungs

Category A*: By Professor

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	Total number of teaching
	Resource	staff
1.	Professor of Anatomy department	01
2.	Associate 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	U	2*08 = 16 hours
1.	Large Group Interactive Session (LGIS)	2* 08 = 10 Hours
2.	Small Group Discussions (SGD)	1*4, 2*11 =26 hours
3.	Practical / Skill Lab	7.5 * 3 = 22.5 hours

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LGIS)	1 * 8 = 8 hours
2.	Small Group Discussions (SGD)	1*4, 2*11 =26 hours
3.	Practical / Skill Lab	1.5 * 3 = 4.5 hours
4.	Self-Directed Learning (SDL)	2 * 6 = 12 hours

Physiology

Category A*	Category B**				Category C***		
 Category A* Transport of oxygen (Prof. Dr. Samia Sarwar/Dr Sheena) Oxygen hemoglobin dissociation curve (Prof. Dr. Samia Sarwar/Dr Sheena) Transport of CO2 (Prof. Dr. Samia Sarwar/Dr Iqra) Nervous regulation of respiration (Prof. Dr. Samia Sarwar/Dr Kamil) Chemical regulation of respiration & exercise changes (Prof. Dr. Samia Sarwar/Dr Kamil) Space physiology (Prof. Dr. Samia Sarwar/Dr 	Category B**	Transport of CO2 (Prof. Dr. Samia Sarwar/Dr Iqra) Deep sea physiology (Prof. Dr. Samia Sarwar/Dr	PBL One PBL In two sessions	Demonstrations / SGD Physiology of unusual environment. Mechanics of pulmonary ventilation & compliance (Second week)	Category C*** CBL • Wheeze/Strid or • Crib Death	• Measurement of different lung volume & capacities with the help of spirometer • Recording of normal and modified	Self-Directed Learning (SDL) (OFF CAMPUS) • Mechanics of pulmonary ventilation, Lung compliance • Pulmonary circulation
 Space physiology (Prof. Dr. Sainia Satwar/Dr Fareed) High altitude physiology (Prof. Dr. Samia Sarwar/Dr Fareed) Deep sea physiology (Prof. Dr. Samia Sarwar/Dr Nayab) Mechanics of pulmonary ventilation, Lung compliance (By Dr. Shmyla) Pulmonary volumes, capacities & functions of 		Nayab)		 Ventilation perfusion ratio & regulation of respiration (Second week) 		movement of respiration (Stethography) Clinical examination of chest for respiration.	 Pulmonary volumes, capacities Transport of oxygen Chemical regulation of respiration &
respiratory tract (By Dr. Shmyla) Ventilation perfusion ratio (By Dr. Shmyla) Lung function teRespiratory abnormalities (COPD, Tuberculosis, Pneumonia, Atelectasis) (By Dr. Shmyla)st (By Dr. Shmyla) Hypoxia, hypercapnia, cyanosis (By Dr. Shmyla) Category A*: By Professor							exercise changes • Hypoxia, hypercapnia, cyanosis

Category A*: By Professor

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)	06

Contact Hours (Faculty) & Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
1.	Large Group Interactive Session (LECTURES)	16X1 =16 Hours
2.	Small Group Discussions (SGD)/CBL	1.5X3 = 4.5 Hours + 2 Hours (2nd week) = 6.5 Hours
3.	Problem Based Learning (PBL)	
4.	Practical / Skill Lab	1.5X3 =4.5 Hours
5.	Self-Directed Learning (SDL)	6x1 = 6 Hours (Off Campus)

Biochemistry

LGIS • Simple Lipids • Compound Lipids • I	Category B** LGIS	PBL	CBL		
Compound Lipids I			CBL	Practical's	SGD
glycolipids, lipoproteins) Prostaglandins I I I I I I I I I I I I I	Definition and Biological importance of Lipids Fatty acids Derived lipids Cholesterol Introduction and classification of carbohydrates Isomerism, optical activity and mutarotation Monosaccharide Disaccharides Homopolysaccharides Heteropolysaccharides		Atherosclerosis Heteropoly saccharides	 Lipid solubility Benedict's test and Molisch's test Barfoed's Test and Selivanoff's test Iodine Test 	 Classification of carbohydrates and lipids Classification and properties of fatty acids

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)

	Hours Calculation for Various Type of	Total Hours	Total Hours
Sr. #	Teaching Strategies	(Faculty)	(student)
1.	Large Group Interactive Session (LECTURES)	2 * 8 = 16 hours	08
2.	Small Group Discussions (SGD)	1.5 * 5 = 7.5hours	06
3.	Problem Based Learning (PBL)	Zero	zero
4.	Practical / Skill Lab	1.5 * 5= 7.5hours	6
5.	Self-Directed Learning (SDL)		08

First Year Timetable for Respiratory Module (First Week) 17-10-2024 To 23-10-2024

Date/Day	8:00am –	09:00am	09:00am –	10:00am	10:00am – 10:20am	10:20am-	·11:20am	11:20am-12:10pm		12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
17-10-2024 Thursday			TION SGD uranasal sinuses	System System (Nose & Paranasal sinuses)		Development of Respiratory System (Nose & Paranasal sinuses) Prof. Dr. Ayesha Yousaf (Even) Assoct. Prof. Dr. Dr.		Mechanics of pulmonary ventilation, Lung compliance Dr. Faizania (Even) Mechanics of Pulmonary circulation & Pulmonary capillary dynamics. Physical principles of gas exchange & diffusion through respiratory membrane		Break	Practical & CBL Topics & venue mentioned at the end	SDL Physiology Mechanics of pulmonaryventilation, Lung Compliance
Date/Day	8:00AM – ()9:00 AM	09:00AM -	10:00 AM		10:00 AM – 11:00 A	Mohtasham (Odd)	11:00 /	AM – 12:00 PM			
Dute <u>-</u> Duj	MEDICIN		PBL 1 (SE			BIOCHEMISTRY (I			OLOGY(LGIS)			
18-10-2024 Friday	Tuberculosis PBL Team Dr. Sana Dr. Sara		Гeam	PH, PKa, Heno	endersonHasselbalch equation Electron transportchain		Pulmonary circulation & Mechanics of Pulmonary capillary dynamics Physical principles of gas exchange& diffusionthrough respiratory membrane Mechanics of pulmonary ventilation Lung compliance			DL Physiology nonary circulation		
	(Odd)	(Even)			D	r. Isma (Even)	Dr. Aneela jamil (Odd)	Dr. Kamil (Even) Dr. Faizania (Odd)				
	DISSECTIO	ON SGD	ENT (L	GIS)		ANATOM	IY (LGIS)	PHYSIC	OLOGY (LGIS)			SDL Biochemistry
19-10-2024 Saturday	Larynx and trachea		(Even) (Odd)		(Nose & Paranasal sinuses)		Transport of oxygen Pulmonary volumes, capacities & functions drespiratory tract			Practical & CBL Topics & venue mentioned at the end	Biochemistry role of buffers in pH regulation	
Saturday						Assoct. Prof. Dr Mohtasham	(Even) Prof. Dr. Ayesha (Odd)	Prof. Dr. Samia / Dr. Dr. Faizania (even) Sheena (Odd)			mentioned at the end	HH equation
		DISSEC	TION/SGD			ANATOMY (LGIS)			OLOGY (LGIS)			
21-10-2024 Monday		Overview of thoracic wall		a k	Histology of Respiratory system II Respiratory system (Trachea and L		Pulmonary volumes, capacities & functions of respiratory tract		a k	Practical & CBL Topics & venue mentioned at the end	SDL AI Artificial Intelligence basic	
					r e	Assoct. Prof. Dr. Mohtashim (odd)	Prof. Dr. Ayesha (Even)	Dr. Faizania (Odd)	Prof. Dr. Samia / Dr. Sheena (even)	r e		concepts
		DISSEC	TION/SGD		В	BIOCHEMIS	STRY (LGIS)	PHYSIC	OLOGY (LGIS)	В		
22-10-2024 Tuesday				Electron transport chain	PH, pKa, Henderson Hassel Balch equation	Oxygen hemoglobidissociation curve			Practical & CBL Topics & venue	SDL AnatomyNose paranasal sinus larynx and trachea		
Tuesday	Skeleton of thoracic wall (Ribs)					Dr. Aneela Jamil (Even)	Dr. Isma (Odd)	Prof. Dr. Samia / D Sheena (even)	, , ,		mentioned at the end	laryiix and tracilea
22.10.2027	DISSECTION/SGD			BIOCHEMIS	` '		HYSIOLOGY (LGIS)		Practical & CBL	an A		
23-10-2024 Wednesday		Joints of T	Thoracic Wall			Oxidative phosphorylation	buffers	ratio	Oxygen hemoglobin dissociation curve		Topics & venue mentioned at the end	SDL Anatomy Skeleton of thoracic wall
						Dr. Aneela Jamil(even)	Dr. Isma (Odd)	Dr. Nayab (even)	Prof. Dr. Samia / Dr. Sheena (Odd)			wall

ubjects) Il Group	For Practical Discussion Physiology)	•	Topics for Skill Lab with Venue Olfactory nasal mucosa/Epiglottis/		Γable No. 1	(11me: 12	2:20pm – 0.	2:00pm)								
ubjects) Il Group	Discussion	•	•					C .1 1 1. C.	D	1 / C 11	C D'	. •				
			(Anatomy/ Histology-practical)	Day	Histolog	y Practica		ochemistry Practical	Practio		Group Discus ogy Practical		ysiology SGD		Bioche	mistry SGD
			venue Histology Laboratory (Dr. Kashif)		Batch	Teache Name	r Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name
atch	Roll No.		HH equation (Biochemistry practic venue- Biochemistry Laboratory Measurement of different lung	al) Monday	С		В	Dr. Rahat	IOD	Е	Dr. Farid/ Dr. Ali Zain	A	Dr. Sheena/Dr. Ali Zain	IOD	D	Dr. Uzma
A	01-70		volume & capacities with the help spirometer (Physiology –practical	of Tuesday	D	у НОБ	С	Dr. Romessa	by	A	Dr. Sheena/ DrNazia	В	Dr. Uzma/Dr. Nazia	ised by E	Е	Dr. Almas
В	71-140			Wednesday	Е	ised b	D	Dr. Uzma	upervi	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	uperv	A	Dr. Romessa
С	141-210			Thursday	В	Superv	A	Dr. Almas	S	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zain	S	С	Dr. Romessa
D	211-280			Saturday	A		Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr. Afsheen		В	Dr. Rahat
Е	281-onwards	Γ	Topics for SGDs / CBL with Venue		7	Table No.	2 Batch Dis	tribution and Ve	enues for	r Anatomy	Small Group	Discussion	on SGDs / Dissection	ons		
		•	Biochemistry tutorial- Electron	Batches	Ro	ll No	Anat	omy Teacher				Venue				
			transport chain (Lecture Hall 03)	A						New Lecture theatre complex no.2						
Physiology CBL Wheeze/Stridor. (Lecture Hall 05)										,						
									Anatomy Lecture Hall No.04							
			T.11 N. 2D	D:	1 77	100 -1	NT -C				,					
a4 a1a a a	Dell Ma	V							Learnir	<u> </u>			T	1		
									Lootur			Dr. Mar				
at	B C D E	B 71-140 C 141-210 D 211-280 E 281-onwards	B 71-140 C 141-210 D 211-280 E 281-onwards • ches Roll No Veni	Measurement of different lung volume & capacities with the help of spirometer (Physiology –practical) Physiology Laboratory B 71-140 C 141-210 Topics for SGDs / CBL with Venue Biochemistry tutorial- Electron transport chain (Lecture Hall 03) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Table No. 3 Batchemistry Company Company Company Capacities with the help of spirometer (Physiology —practical) Physiology Laboratory Topics for SGDs / CBL with Venue Table No. 3 Batchemistry Capacities with the help of spirometer (Physiology —practical) Physiology Laboratory	 Measurement of different lung volume & capacities with the help of spirometer (Physiology –practical) Physiology Laboratory Tuesday Wednesday Thursday 211-280 Topics for SGDs / CBL with Venue Biochemistry tutorial- Electron transport chain (Lecture Hall 03) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) C D Table No. 3 Batch Distribution with Chessian Roll No Venue Table No. 3 Batch Distribution with Chessian Capacities with the help of spirometer (Physiology –practical) Thursday Wednesday Thursday Saturday C D Table No. 3 Batch Distribution with Chessian Capacities with the help of spirometer (Physiology –practical) Thursday	Measurement of different lung volume & capacities with the help of spirometer (Physiology –practical) Physiology Laboratory B 71-140 C 141-210 Topics for SGDs / CBL with Venue Biochemistry tutorial- Electron transport chain (Lecture Hall 03) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Table No. 3 Batch Distribution with Venues at Ches Roll No Venue Teachers	Measurement of different lung volume & capacities with the help of spirometer (Physiology –practical) Physiology Laboratory Wednesday Tuesday D Tuesday D Wednesday E Zaturday D Table No. Saturday A Table No. Batches Roll No Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Table No. 3 Batch Distribution with Venues and Teacher ches Roll No Table No. 3 Batch Distribution with Venues and Teacher Sr No.	Measurement of different lung volume & capacities with the help of spirometer (Physiology –practical) Physiology Laboratory Wednesday Tuesday Wednesday E Thursday B Table No. 2 Batch Distribution with Venues and Teachers Name for these Roll No Table No. 3 Batch Distribution with Venues and Teachers Name for these Roll No Venue Measurement of different lung volume & capacities with the help of spirometer (Physiology –practical) Tuesday D Tuesday D Tuesday D Table No. 2 Batch Distribution with Venue & Roll No A naturally A E Batches Roll No Dr Ali C 181-270 Dr Zen D 271- onwards Dr Qur Table No. 3 Batch Distribution with Venues and Teachers Name for these Roll No Teachers Sr No. Batches	Measurement of different lung volume & capacities with the help of spirometer (Physiology –practical) Physiology Laboratory Wednesday Tuesday Wednesday E D D Dr. Uzma Thursday B Saturday A Dr. Almas Topics for SGDs / CBL with Venue Biochemistry tutorial- Electron transport chain (Lecture Hall 03) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Ches Roll No Venue Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Ches Roll No Venue Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Ches Roll No Venue Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Ches Roll No Romessa D D Dr. Uzma D D Dr. Almas A Dr. Almas Anatomy Teacher A 01-90 Dr Sajjad C 181-270 Dr Zeneara D 271- onwards Dr Qurat ul Ain Superv	Measurement of different lung volume & capacities with the help of spirometer (Physiology –practical) Physiology Laboratory Wednesday E Thursday B Topics for SGDs / CBL with Venue Biochemistry tutorial- Electron transport chain (Lecture Hall 03) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning Ches Roll No Venue Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning Ches Roll No Venue Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning Ches Roll No	Measurement of different lung volume & capacities with the help of spirometer (Physiology –practical) Physiology Laboratory B 71-140 C 141-210 D 211-280 E 281-onwards For SGDs / CBL with Venue Biochemistry tutorial- Electron transport chain (Lecture Hall 03) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sr No. Batches Roll No Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sr No. Batches Roll No Venue Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sr No. Batches Roll No Venue Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sr No. Batches Roll No Venue	Measurement of different lung volume & capacities with the help of spirometer (Physiology – practical) Physiology Laboratory B 71-140 C 141-210 D 211-280 Topics for SGDs / CBL with Venue B 361-0nwards Topics for SGDs / CBL with Venue B 362-0nwards Topics for SGDs / CBL with Venue B 363-0nwards Topics for SGDs / CBL with Venue B 364-0nwards Topics for SGDs / CBL with Venue B 364-0nwards Topics for SGDs / CBL with Venue B 364-0nwards Topics for SGDs / CBL with Venue B 364-0nwards Topics for SGDs / CBL with Venue B 364-0nwards Topics for SGDs / CBL with Venue B 364-0nwards Topics for SGDs / CBL with Venue B 364-0nwards Topics for SGDs / CBL with Venue B 364-0nwards Topics for SGDs / CBL with Venue B 364-0nwards Topics for SGDs / CBL with Venue B 364-0nwards Topics for SGDs / CBL with Venue B 364-0nwards B 364-0nwards A 361-0nwards A 36	Measurement of different lung volume & capacities with the help of spirometer (Physiology – practical) Physiology Laboratory Wednesday Thursday B 71-140 C 141-210 D 211-280 Topics for SGDs / CBL with Venue Biochemistry tutorial- Electron transport chain (Lecture Hall 03) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions Venue Venue Tuesday D Tuesday D Tuesda	Measurement of different lung volume & capacities with the help of spirrometer (Physiology –practical) Physiology Laboratory Wednesday E Thursday B Thursday B Zain A Dr. Amore San Dr. Uzma/Dr. Spheena/ Dr. Nazia Dr. Nazia Dr. Physiology Laboratory Wednesday E Thursday B Saturday A Dr. Almas Topics for SGDs / CBL with Venue Biochemistry tutorial- Electron transport chain (Lecture Hall 03) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Physiology CBL Wheeze/Stridor. (Lecture Hall 05) Dr. Again Tuesday D Dr. Uzma A Dr. Almas Dr. Almas Dr. Almas Dr. Almas Dr. Afsheen C Dr. Fahd Dr. Farhat Dr. Afsheen C Dr. Fahd Dr. Afsheen Dr. A	Measurement of different lung volume & capacities with the help of spirometer (Physiology –practical) Physiology Laboratory Wednesday E 211-280 Thursday A Dr. Ab Dr. Nazia B Dr. Uzma/Dr. Nazia Dr. Farhat Thursday B Saturday A Dr. Almas Thursday B Saturday A Dr. Almas Dr. Nazia Dr. Farhat Dr. Farhat Dr. Farhat Dr. Farhat Dr. Afisheen C Dr. Farhat Dr. Afisheen Dr.	Measurement of different lung volume & capacities with the help of spirometer (Physiology -practical) Physiology Laboratory B 71-140 C 141-210 D 211-280 E 281-onwards Topics for SGDs / CBL with Venue B 361 No Venue B 361 No Venue B 361 No Venue B 361 No Venue B 361 No Venue B 361 No Venue B 362 No Nazia D 363 No Nazia D 364 No Nazia D 365 No Nazia D 366 No Nazia D 366 No Nazia D 367 No Nazia D 367 No Nazia D 367 No Nazia D 368 No Nazia

			Table No.	3 Batch Distribution with Venues a	and Teach	iers Name i	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 Physiology)				(Basement)	
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. Qurat Ul Ain	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 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 # 03							
Even Roll Number New Lecture Hall Complex Lecture Theater # 02							

First Year Timetable for Respiratory Module (Second Week) 24-10-2024 To 30-10-2024

			10-0	0	2.10.202.				12 10	10.20	
Date/Day	8:00am – 09:00am	09:00 AM – 10:00am	10:00 10:20	0am – 0am	10:20am-	11:20am	11:20am-1	2:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
	DISSECT	TION/SGD			ANATOMY		PHYSIOLO	OGY (LGIS)			
24-10-2024	Thoracic	Apertures		e a k	Development of Respiratory system (Trachea and Larynx)	Histology of Respiratory system II	Transport of CO2	Lung function test	e a k	Practical & CBL Topics & venue mentioned at the	SDL Physiology Lung volumes andcapacities
Thursday			6	Вr	Prof. Dr. Ayesha (Even)	Assoct. Prof. Dr. Mohtashim(Odd)	Prof Dr. Samia / Dr. Iqra ((even)	Dr. Faizania (Odd)	Br	end	•
Date/Day	8:00am - 09:00am	09:00am - 10:00ai	m		10:00am-11:00a	am	11:00am-1				
	PBL 1 (SESSION II)				BIOCHEMISTRY	(LGIS)	PHYSIO	LOGY (LGIS)			
25-10-2024 Friday	Effects of Climate		stems N	Normalj	pH regulation by buffers	Oxidative phosphorylation	Lung function test	Transport of CO2		ology Transport of Oxygen	
		Dr. Sidra Dr. M Hamid Tasle		Dr. Isma (even)		Dr. Aneela Jamil(Odd)	Dr. Faizania (even)	Prof. Dr. Samia / Dr. Iqra (Odd)			
	DISSECTION/SGD				ANATOM	Y (LGIS)	PHYSIOLO	GY LGIS			
26-10-2024 Saturday	Movements of Thoracic V		e a k	Histology of Respiratory system III	Development of Respiratory System (Lungs)	Respiratory abnormalities	Nervous regulation of respiration	e a k	Practical & CBL Topics & venue mentioned at the	SDL Biochemistry Role of buffers (chemical and	
				Вr	Assoct. Prof. Dr. Mohtashim (even)	Prof. Dr. Ayesha (Odd)	Dr. Faizania (Even)	Prof. Dr. Samia / Dr. Kamil (Odd)	Br	end	physiological)
	DISSECTION/SGD	COMMUNITY MEDIC		ANA		MY (LGIS)	PHYSIOLOGY LGIS				
28-10-2024 Monday	Diaphragm	Global warming and clim change Dr. Rizwana Dr. Asif (Development ofRespiratory system (Lungs)	Histology of Respiratory system III	Nervous regulation of respiration	Respiratory abnormalities		Practical & CBL Topics & venue mentioned at the	SDL Biochemistry pH meter and body buffers
		(Odd)			Prof. Dr. Ayesha (even)	Assoct. Prof. Dr. Mohtashim(Odd)	Prof. Dr. Samia / Dr. Kamil (Even)	Dr. Faizania (Odd)		end	
29-10-2024 Tuesday	EAHV CHHICAL EXDOSHIE (EX.E.)										
-	DISSECT	ΓΙΟΝ/SGD			ANATOM	IY (LGIS)	PHYSIOLO	OGY LGIS			
30-10-2024 Wednesday	Diaphragm		reak		Development of Respiratory system (Diaphragm)	Histology of Respiratory system IV	Hypoxia, hypercapnia, cyanosis	Chemical regulation of respiration & exercise changes	rea	Practical & CBl Topics & venue mentioned at thee	Movement of Thoracic Wall &
			B	Prof. Dr. Ayesha (Even)	Assoct. Prof. Dr. Mohtashim(Odd)	Dr. Nayab (Even)	Prof.Dr. Samia / Dr. Kamil(Odd)	B		Intercostal Spaces Online SDL Evaluation	

					Table No. 1	(Time: 12	2:20pm – 0:										
Batch D	istribution f	or Practical	Topics for Skill Lab with Venue					Schedule for	or Practical / Smal	1 Group Discus	ssion						
	ll subjects)		Trachea (Anatomy/ Histology-	Day	Histolog	y Practica	l Bi	ochemistry	Physic	logy Practical	Ph	ysiology SGD		Bioche	mistry SGI		
	mall Group		practical) venue Histology Laborato	orv				Practical									
(Bioche	mistry and I	Physiology)	(Dr. Kashif)	(Dr. Kashif)	(Dr. Kashif)		Batch	Teache Name	r Batch	Teacher Name	Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name
Sr. No	Batch	Roll No.	 Buffers (Biochemistry practical) venue- Biochemistry Laboratory Recording of normal and modified 	Monday	С		В	Dr. Rahat	Е	Dr. Farid/ Dr. Ali Zain	A	Dr. Sheena/Dr. Ali Zain	IOD	D	Dr. Uzma		
1.	A	01-70	movement of respiration (Stethography) (Physiology –practice Physiology Laboratory	cal) Tuesday	D	y HOD	С	Dr. Romessa	A A	Dr. Sheena/ Dr. Nazia	В	Dr. Uzma/Dr. Nazia	sed by HOD	Е	Dr. Alma		
2.	В	71-140		Wednesday	Е	ised b	D	Dr. Uzma	Supervised	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	Supervised	A	Dr. Romessa		
3.	С	141-210		Thursday	В	Supervised by	A	Dr. Almas	N D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zain	S	С	Dr. Romessa		
4.	D	211-280	-	Saturday	A		Е	Dr. Romessa	С	Dr. Fahd	D	Dr. Maryam/ Dr. Afsheen		В	Dr. Raha		
5.	Е	281-onwards	Topics for SGDs / CBL with Venu	ıe	-	Γable No. 1	2 Batch Dis	stribution and Ve	enues for Anatom	y Small Group	Discussi	on SGDs / Dissection	ons				
			Biochemistry CBL-Acid based	Batches		ll No	Anat	omy Teacher			•	Venue					
			(Lecture Hall 03)	A		1-90	Dr Saj	,	New Lecture th		no.2						
			Physiology CBL Crib Death.	В		-180	Dr Ali		Anatomy Lectu								
			(Lecture Hall 05)	C		1-270	Dr Zei		Anatomy Lectu								
				D	271-	onwards	Dr Qu	rat ul Ain	New Lecture th								
									ised by Prof. Dr.		f						
				atch Distribution wi													
Sr No.	Batches	Roll No	Venue		Teachers Sr No. Batches Roll No				Venue Teachers								
1.	A1	(01-35)		Or. Sana Latif (Dem biochemistry)	onstrator	6.	C2	(176-210)	Lecture Hall no.04 Dr. Nayab Zonish (PGT Physiology) (Basement)								
	4.0	(26.70)		V 1.		7	D1	(210, 245)	T	02	D I	A 1 (DOT DI	1	`			

			Table No. 3	Batch Distribution with venues	and Teaci	iers Name i	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	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 Physiology)				(Basement)	
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. Qurat Ul Ain	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 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 # 03								
Even Roll Number New Lecture Hall Complex Lecture Theater # 02								

First Year Timetable for Respiratory Module (Third Week) 31-11-2024 To 06-11-2024

Date/Day	8:00 AM -	09:00 AM	09:00 AM	– 10:00 AM	10:00am – 10:20am	10:20am-1	1:20am	11:20:	am-12:10pm	12:10pm- 12:30pm		Home Assignment
31-11-2024 Thursday	, ascalatore of moracle war			Break	Approach to a patient wi	Approach to a patient with cough hemoptysis & shortness of breath Dr. Sidra Hamid (Even) Dr. Sadia Khan (Odd)		n of Hypoxia, cise hypercapnia, cyanosis Dr. Nayab (Odd)		Practical & CBL Topics & venue mentioned at the end	SDL Physiology Chemical regulation of respiration & exercise changes	
01-11-2024 Friday	QURAN TRAI Immaniat- V & VI Mufti Naeem (Even)	NSLATION – I Ibaadat-V Molana Abdul Wahid (Odd)	Ì	Team		ANATOMY (LG: Thoracic Radiolog Dr. Minahil	IS)	Dr. Kamil(Ever PHYSIO Hypoxia, hypercar cyanosis Dr. Faizania (Eve	changes LOGY (LGIS) changes Chemical regulation of respiration & exercise changes	hypercapr	Phys Hypoxia, iia, cyanosis iology	
02-11-2024 Saturday		DISSE	CTION/SGD of Thoracic Wall			Crises intervention an resolution and	nd disasterConflict d empathy		Miscellaneous factors affecting respiration (concept of voluntary control of respiration lung J receptor, brain edema anesthesia, chyne stokes breathing, sleep apnea Prof. Dr Samia / Dr. Kam	on,	Practical & CBL Topics & venue mentioned at the end	SDL Biochemistry Pyridoxine
04-11-2024 Monday	DISSECT Ple			OLOGY ers of Respiration Dr. Aasia(Odd)	reak	ANATOMY Histology of Respiratorysystem IV Assoct. Prof. Dr. Mohtashim(Even)	7 (LGIS) Development of Respiratorysystem (Diaphragm) Prof. Dr. Ayesha (Odd)	PHYSIO Miscellaneous factor respiration (concept of control of respiration, lu brain edema, anesthesia breathing, sleep Prof. Dr Sami Kamil (Ev	of voluntary ing J receptor, chyne stokes apnea a / Dr. Space physiology	reak	Practical & CBL Topics & venue mentioned at the end	SDL Biochemistry Xenobiotic
05-11-2024 Tuesday	DISSECT Diapl			Team	B	Pyridoxin Pant ethnic acid biotin &Ribo flavin Dr. Almas (Even)			LOGY (LGIS)	A	Practical & CBL Topics & venue mentioned at the end	SDL AnatomyOf diaphragm
06-11-2024 Wednesday	DISSECT Lu			y MEDICINE use effect Dr. Asif (Even)		Xenobiotics Dr. Uzma Zafar(even)	(/	PHYSIO High AltitudePhysio	LOGY (LGIS)	r.	Practical & CBL Topics & venue mentioned at the end	SDL Anatomy Lungs Online Clinical Evaluation

					Т	able No. 1	(Time:	12:20pm -	-02:	:00pm)											
Batch D	istribution f	or Practical	Topics for Skill Lab with Ve	enue						Schedule fo	r Practic	al / Small	Group Discus								
	ll subjects)	Discussion	Lungs (Anatomy/ Histology-	-	Day	Histolog	y Practic	cal		chemistry ractical		Physiol	ogy Practical	Phy	vsiology SGD		Bioche	emistry SGD			
		Physiology)	practical) venue Histology Laboratory (Dr. Kashif)	Laboratory (Dr. Kashif)		Batch	Teach Nam			Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name			
Sr. No	Batch	Roll No.	venue- Biochemistry LaboratClinical examination of chest	pH meter (Biochemistry practical) venue- Biochemistry Laboratory Clinical examination of chest for					С		В	В	Dr. Rahat	GOD	Е	Dr. Farid/ Dr. Ali Zain	A	Dr. Sheena/Dr. Ali Zain	HOD	D	Dr. Uzma
1.	A	01-70	respiration (Physiology –prace Physiology Laboratory	ctical)	Tuesday	D	Supervised by HOD	C	C	Dr. Romessa	A Dr. Sheena			В	Dr. Uzma/Dr. Nazia	sed by H	Е	Dr. Alma			
2.	В	71-140			Wednesday	Е	ised b	Г	D	Dr. Uzma	upervi	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	upervi	A	Dr. Romessa			
3.	С	141-210				В	Superv	A	A	Dr. Almas	Š	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zain	- Su	С	Dr. Romessa			
4.	D	211-280			Saturday	A		Е	Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr. Afsheen		В	Dr. Raha			
5.	Е	281-onwards	Topics for SGDs / CBL with V	Venue		Т	able No	. 2 Batch	Dist	ribution and Ve	nues for	Anatomy	Small Group	Discussio	on SGDs / Dissection	ons					
			Biochemistry CBL – Vitamin	biotin	Batches	Ro	ll No	Aı	nato	my Teacher		Ť	-	Venue							
			and pantothenic acid uncouple	ers	A	01	1-90	Dr	Sajja	ıd	New Lecture theatre complex no.2										
			(Lecture Hall 03)		В	91	-180	Dr .	Ali F	Raza	Anator	ny Lectur	e Hall No.03								
			Physiology tutorial- physiology	gy of	С	181	1-270	Dr 2	Zene	eara	Anator	ny Lectur	e Hall No.04								
			unusual environmental (Lectu	re Hall	D	271- c	onwards	Dr	Qura	ıt ul Ain	New L	ecture the	atre complex r	10.3							
			05)							Supervi	ised by F	Prof. Dr. A	yesha Yousaf								
			Table No.	3 Batch Di	istribution with	n Venues ar	nd Teach	ners Name	e for	Problem Based	Learnin	g (PBL) S	Sessions								
Sr No.	Batches	Roll No	Venue		Teachers		Sr No.	Batches	S	Roll No		Venu	ie		Teac	chers					
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Dr. Sana Biochem	Latif (Demons	strator	6.	C2		(176-210)	Lecture Hall no.04 (Basement)		04	Dr. Nayab Zonish (PGT Physi			ology)				
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Dr. Faral		ology)	7.	D1		(210-245)		e Hall no.	02	Dr. Iqra	Ayub (PGT Physi	iolog	y)				
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohi	na Khalid strator Biochen	<i></i>	8.	D2		(246-280)	_	ence Roo	m		hammad Usman hysiology)						
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Qura	t Ul Ain Demonstrator o	• /	9.	E1		(281-315)	`	ecture Ha	ll no.01		msha (PGT Physio	logy)				

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 # 02								

10

E2

(315 onwards)

Lecture Hall no.04

Dr. Jawad Hassan

(Demonstrator Physiology)

Dr. Ali Zain (PGT Physiology)

C1

5.

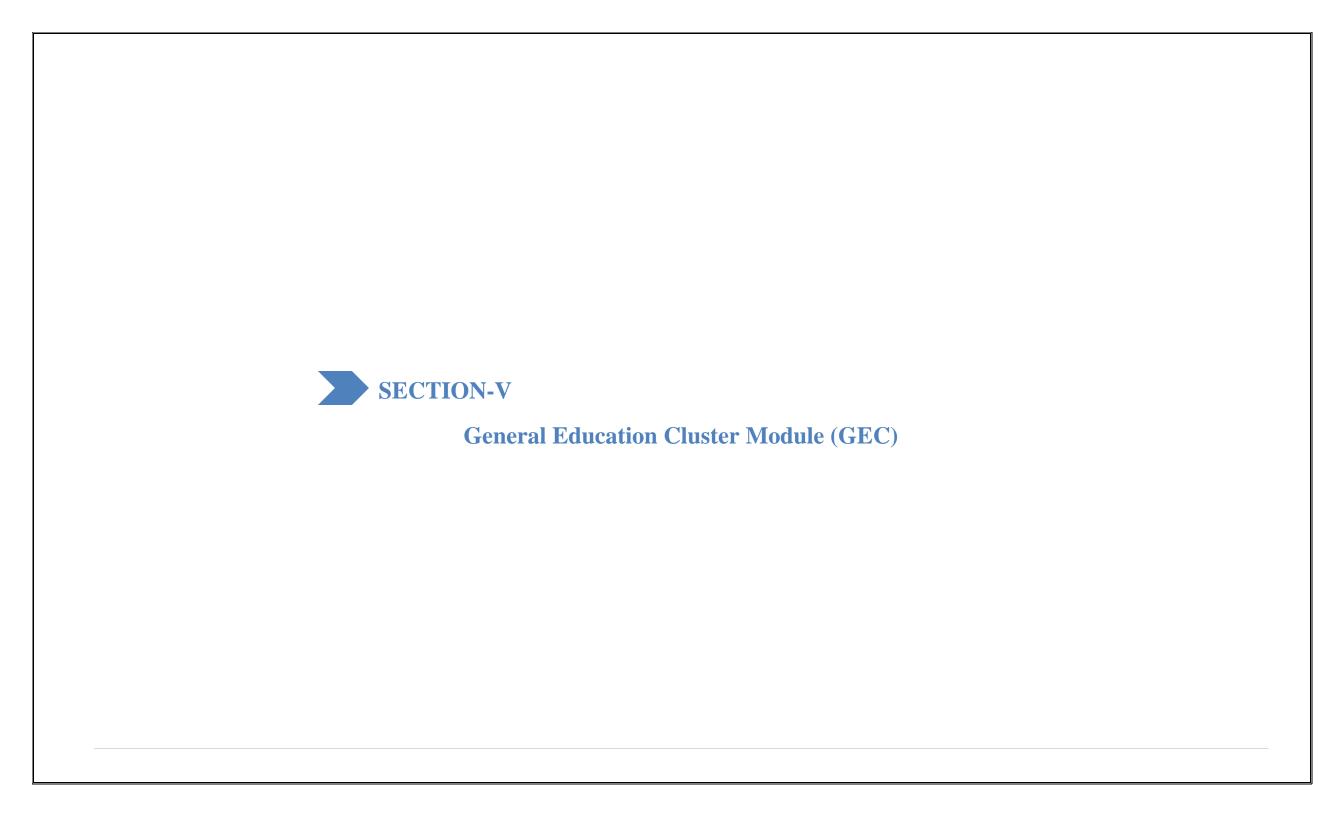
(141-175)

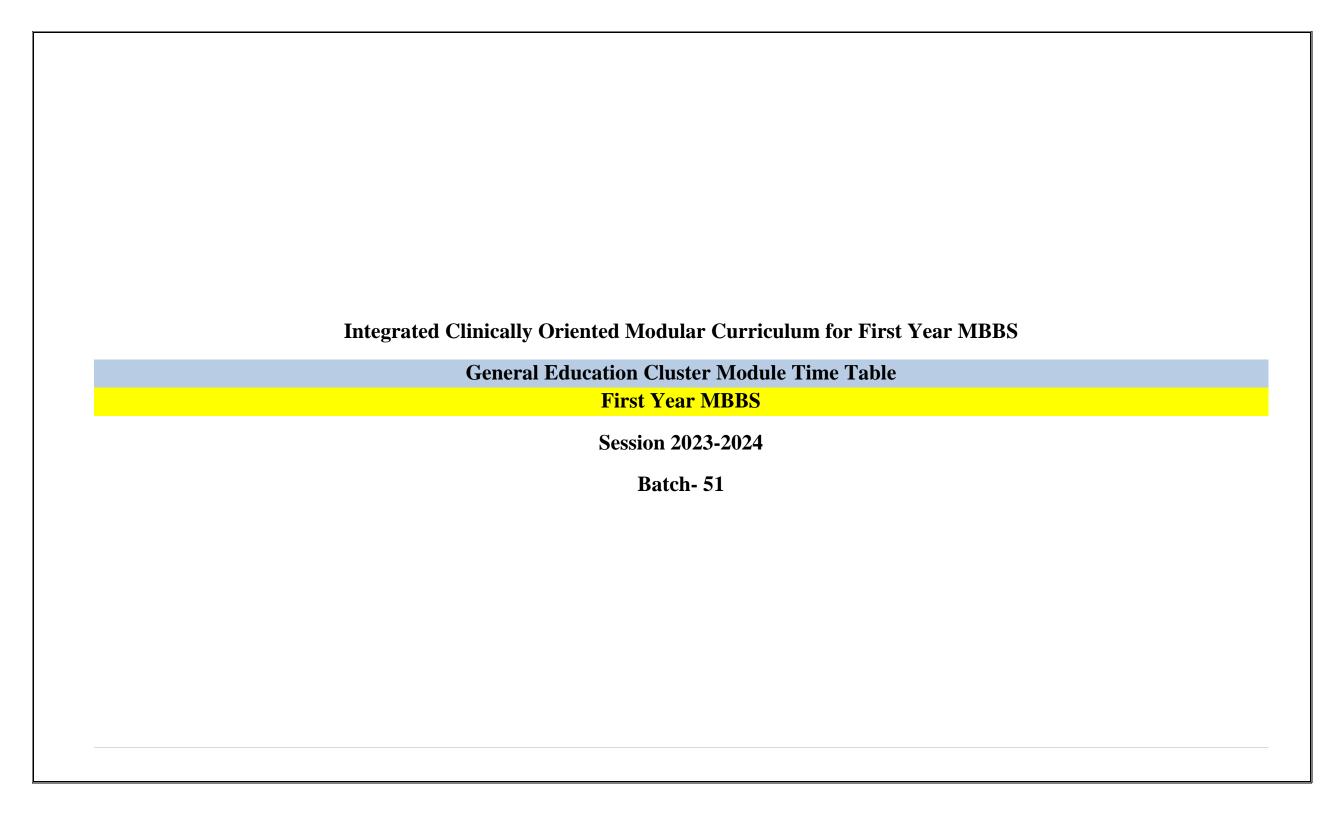
Lecture Hall no.05 (Basement)

First Year Timetable for Respiratory Module (Fourth Week) 07-11-2024 To 13-11-2024

DAY/ TIME	8:00AM-9:00AM
07-11-2024 Thursday	
08-11-2024 Friday	
09-11-2024 Saturday	Assessment Week
11-11-2024 Monday	
12-11-2024 Tuesday	
13-11-2024 Wednesday	

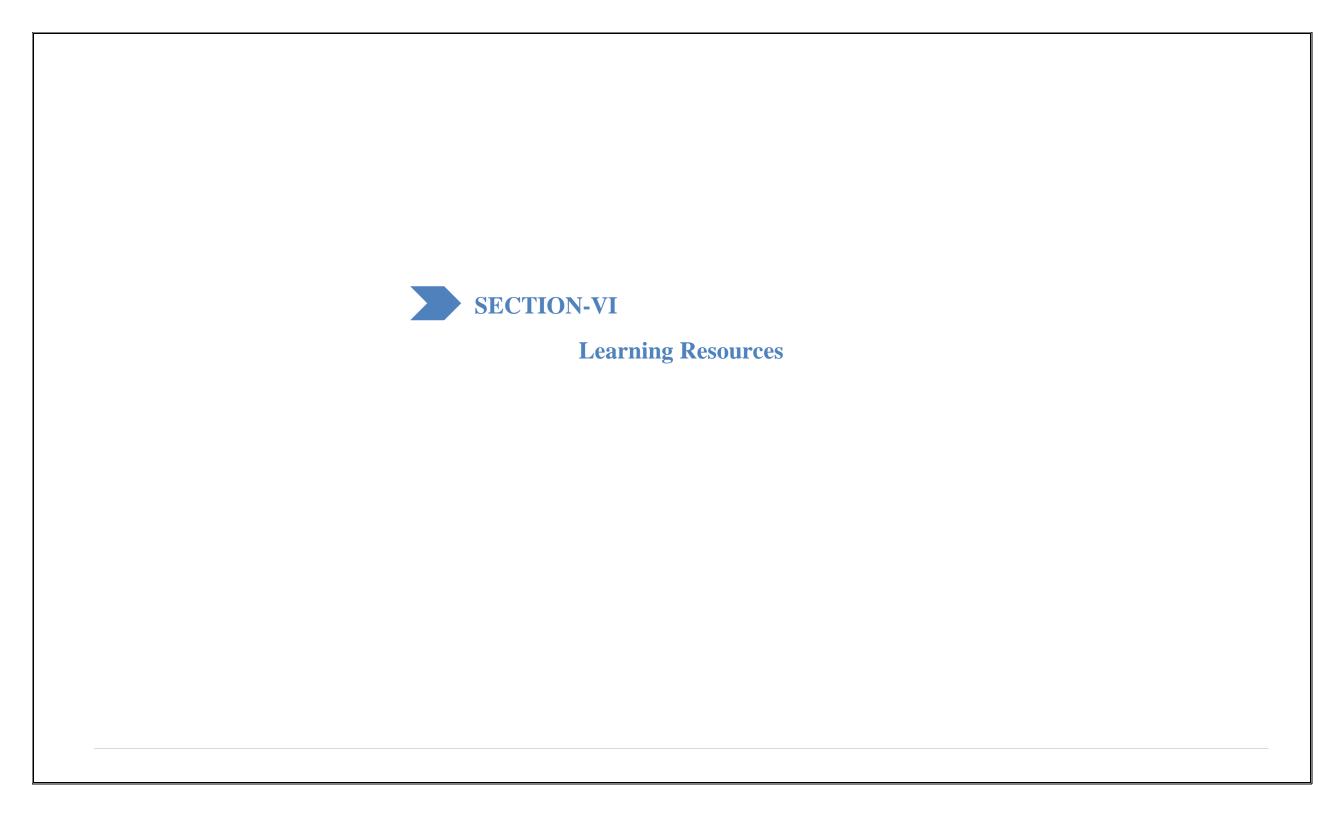
Next Week Will Be Assessment Week. The Detail of Assessment Week Will Be Shared Once Finalized.





Time Table For General Educational Cluster (GEC) Module (28-11-2024 to 04-12-2024)

Date/Day	8:00 AM – 09:00 AM	09:00 AM - 09:50 AM	09:50 AM – 10:10AM	10:10 AM – 11:00 AM	11:00 AM – 11:50 AM	11:50 AM - 12:15	12:15 PM – 02:00 PM	04:00 PM – 06:00 PM
28-11-2024	LEADERSHIP	ITC		ARTIFICIAL INTELLIGENCE (AI)	VIDEOGRAPHY			
Wednesday	Leadership Concepts	Introduction		Basic Concepts of AI	Fundamentals of Videography	a k	SDL	
29-11-2024	LEADERSHIP	ITC		ARTIFICIAL INTELLIGENCE (AI)	VIDEOGRAPHY	r e		
Thursday	Leading Groups & Teams	Application and System Software		Machine Learning	Camera Operation Basic	В	Expository Writing	
30-11-2024	LEADERSHIP	ITC		ARTIFICIAL INTELLIGENCE (AI)	VIDEOGRAPHY			
Friday	Group Leadership Exercise	Input & Output Devices	K	Deep Learning	Shot Composition Techniques			
	LEADERSHIP	ITC	r e a	ARTIFICIAL INTELLIGENCE (AI)	VIDEOGRAPHY		ENTERPRENEURSHIP	LEADERSHIP
01-12-2024 Saturday	Self Assessment	Storage Devices	B 1	Ethical Concentration	Introduction to Lighting		Prototype	Online Reflective Journaling
						k		8
03-12-2024 Monday	Types of Software	SDL		ENTERPRENEURSHIP Ideate Initial Idea	VIDEOGRAPHY Ethical Considerations in Media Production	Brea	Expository Writing	
	ITC			ENTERPRENEURSHIP	VIDEOGRAPHY	1	ITC	
04-12-2024 Tuesday	File Management / Internet and	Expository Writring		Vision / Founder Fit	Basic Video Production		Internet & Emails	



Learning Recourses

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

Pathology/Microbiology Pharmacology	Textbooks 1. Robbins & Cotran, Pathologic Basis of Disease, 10 th edition. 2. Rapid Review Pathology, 5 th edition by Edward F. Goljan MD. 3. http://library.med.utah.edu/WebPath/webpath.html Textbooks 1. Lippincot Illustrated Pharmacology 9 th 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 Harrison's Principles of Internal Medicine by J. Larry Jameson, Anthony S. Fauci, and others Davidson's Principles and Practice of Medicine by Stuart H. Ralston, Ian D. Penman, and others Kumar and Clark's Clinical Medicine by Parveen Kumar and Michael Clark Oxford Handbook of Clinical Medicine by Ian B. Wilkinson, Tim Raine, and others
Surgery	Textbooks1. Bailey & Love's Short Practice of Surgery by Norman S. Williams, P. Ronan O'Connell, and Andrew W. McCaskie
Obsteterics & Gynecology	Textbooks 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	https://www.uptodate.com/contents/search							
RMU Digital library	http://www.digitallibrary.edu.pk/rmc.html							
	International Resources							
USMLE	https://www.usmle.org/							
Plab	https://www.gmc-uk.org/registration-and-licensing/join-the-register/plab							
U World	https://www.uworld.com/							
Kaplan	https://mykaplan.co.uk/							



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	50% e	end block assessment (summative)		
End module-I (25% End module 10 LMS 03 Attendance 02)				
Work place based ass Further division of 50	` '				
Ward test (50%)	Histories (20%)	Case presentation (10%)	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

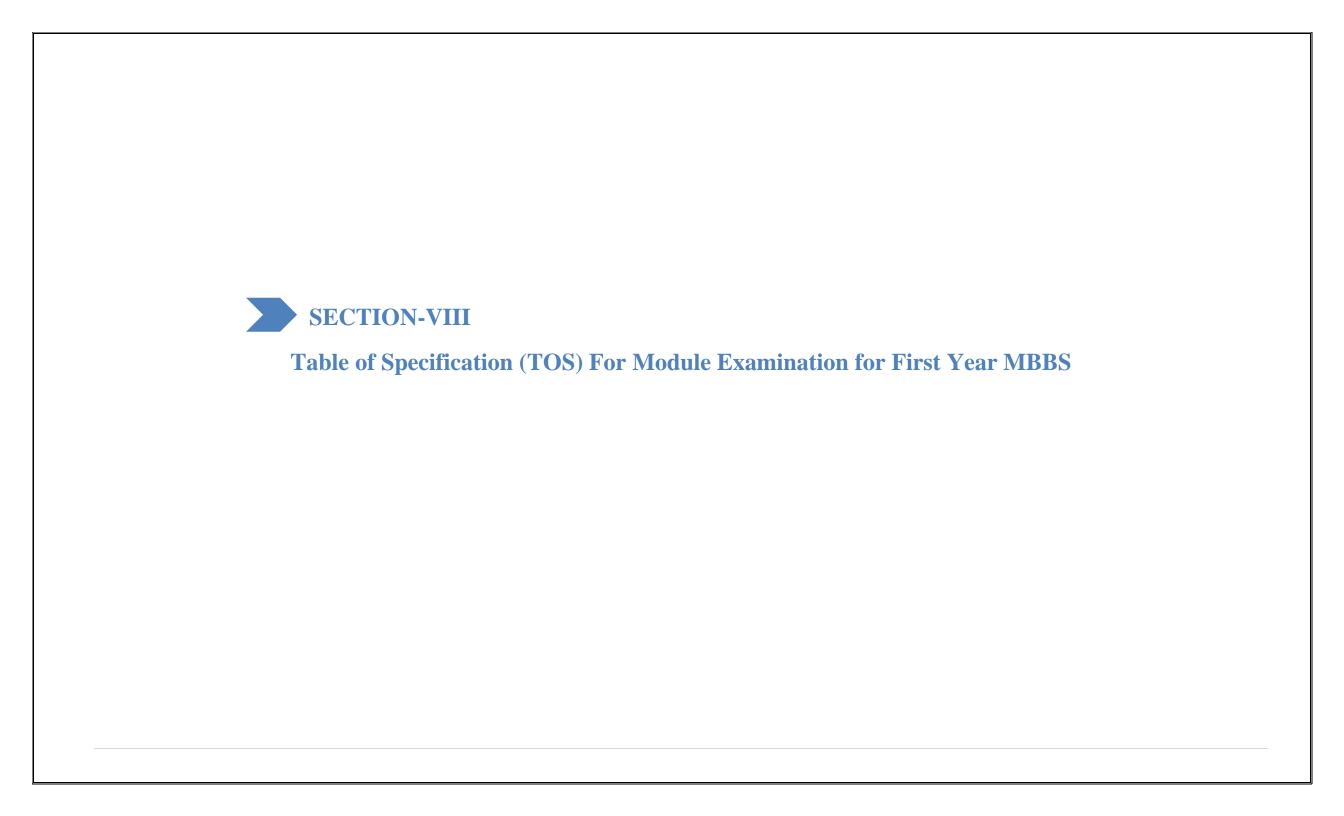


Table of Specification (TOS) For Module Examination for First Year MBBS

										Domain	s: C-Cor	e Subj	ject (70%)	Levels	C1-C2,	HV- Horizo	ntal &	Vertica	Integ	ration (20%) Levels	C2-C3,	S- Sp	iral In	tegr	ation (1	.0%) Lev	els C2-C3							
		Theory (Cognitive) Assessment Practical (Skill & Attitude) Assessment																																		
End of Module Assessment	Subject	Subject			M	CQs				EM	Qs			SA	AQs				SEQ	s		Marks	Total Marks Theory	Total Time		AV OSPE			Time	AED Reflective Writing		OSVE		Total Grand Practical Total Marks		Total Time of Module Assessment
		C	HV	S	Total	Ma	rks	C	Total	Marks	C	Н	I۷	S	Total	Marks	C	HV	S	Tota	1	,		(C H	S	Total	Marks		_	Viva	Сору	Total			
	Anatomy	19	4	2	25	2	5	1	1	5	3		1	1	5	25	3	1	1	5	45	100	2 HR	S 7	7 2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
First Module	Physiology	19	4	2	25	2	5	1	1	5	3		1	1	5	25	3	1	1	5	45	100	2 HR	5 7	7 2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
	Biochemistry	19	4	2	25	2	5	1	1	5	3		1	1	5	25	3	1	1	5	45	100	2 HR	S 7	7 2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Formative- Weekly LMS Based Assessment of 30 MCQs (10 MCQs per Subject)																																				
			П	П				Т					Т											Т	Т	П										
											T	neory	(Cog	gnitiv	e) Asse	ssmen	t							T	Practical (Skill & Attitude) Assessment				Total Time of							
End of Module Assessment	Subject			M	CQs				EM	Qs			SA	AQs				SEQ	S		Marks	Total Marks	Total			A۱	/ OSPE		Time	AED Reflective		OSVE		Total Practical	Grand Total	Module
		С	HV	S	Total	Ma	rks	С	Total	Marks	С	Н	١V	S	Total	Marks	С	HV	S	Tota	ī	Theory	Time	(C HV	S	Total	Marks		Writing	Viva	Сору	Total	Marks		Assessment
Second	Anatomy	19	4	2	25	2	5	1	1	5	3		1	1	5	25	3	1	1	5	45	100	2 HR	S 7	7 2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
	Physiology	19	4	2	25	2	5	1	1	5	3		1	1	5	25	3	1	1	5	45	100	2 HR	5 7	7 2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Module	Biochemistry	19	4	2	25	2	5	1	1	5	3		1	1	5	25	3	1	1	5	45	100	2 HR	5 7	7 2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Formative- Week	prmative- Weekly LMS Based Assessmen tof 30 MCQs (10 MCQs per Subject)																																			

Block	Subjects	ı	LMS	Base	d Assess	sment			OSPE					Total Block
DIOCK	Jubjects			Λ	ACQs		LabOSPE	IOSPE	COSPE	Total	Marks	Time	d Total	Time
		С	HV	HV S Total Time		С	HV	S	Total Walks		Tillic	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

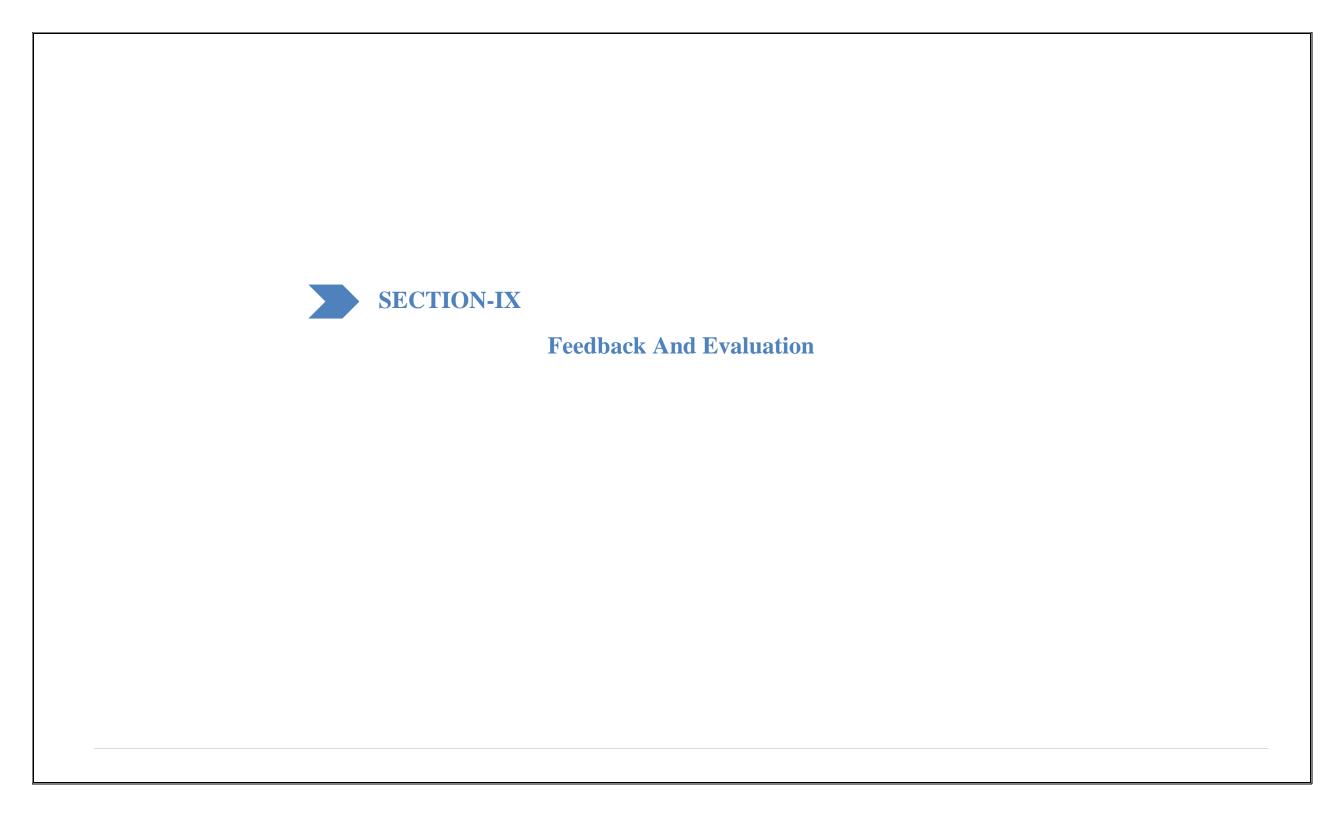
For Each assessment student will have to individually pass Theory and Practical components

Marks per

ltem

MCQ=1	EMQ=5	SAQ= 5	SEQ= 9	AVOSPE= 5	OSPE= 3				
OSPE Time=									
	3 Round of 40 Students =240 min								
OSVE									

W	Weekly LMS Assessment									
Subjects	Anatomy	Physiology	Diocilennist							
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

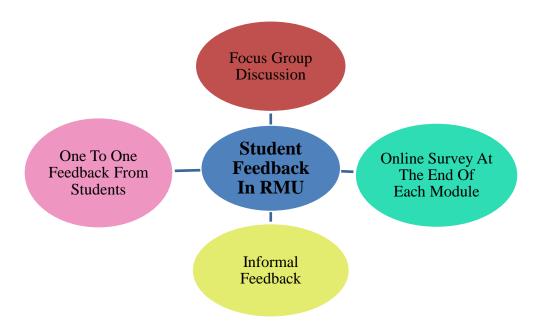
Feedback is received from students in more formal settings. These include:

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

Student Contribution

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

