

Foundation Module - I Team

Module Name : Foundation Module - I

Duration of module : 06 Weeks

14. Focal Person Community Medicine

15. Focal Person Quran Translation

16. Focal Person Family Medicine

Lectures

Coordinator:Dr. Tayyaba QureshiCo-coordinator:Dr. Zenera SaqibReviewed by:Module Committee

Dr. Afifa Kulsoom

Dr. Uzma Zafar

Dr. Sadia Khan

	Module Comm	ittee	Module Task Force Team			
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Tayyaba Qureshi (Assistant Professor of Anatomy)	
2.	Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima	
3.	Convener Curriculum	Prof. Dr. Naeem Akhter	3.	Co-coordinator	Dr. Zenera Saqib (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 (Assessment) DME	Dr. Arsalan Manzoor Mughal	5.	Co-coordinator	Dr. Raja Khalid Yaqoob (Demonstrator of Biochemistry)	
6.	Chairperson Physiology	Prof. Dr. Samia Sarwar			•	
7.	Chairperson Biochemistry	Dr. Aneela Jamil		DME I	mplementation Team	
			1.	Director DME	Prof. Dr. Ifra Saeed	
8.	Focal Person Anatomy First Year	Asso. Prof. Dr. Mohtashim	2.	Implementation Incharge 1st & 2 nd	Dr. Arsalan Manzoor Mughal	
	MBBS	Hina		Year MBBS	Dr. Farzana Fatima	
9.	Focal Person Physiology	Dr. Sidra Hamid	3.	Assistant Director DME	Dr. Farzana Fatima	
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				

Discipline Wise Details of Modular Content

	Integration										
	Themes										
Block	Module	General	Embryology	Histology	Gross Anatomy						
I	• Anatomy	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 			*	embrane, Physicochemical Properties,						
	 Physiology 	 Enzymes, Cancer, Nucleic Acid Chemistry, Genetics 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 									

Welcome Address by VC, Intra							
 Introduction to Department of 	marodation to Beparement of Medical Education to Medical Modelar System.						
 Assessment Model of RMU And Continuous Internal Assessment 							
 Research Model of RMU (IUGRC), Biomedical Ethics, & Family Medicine 							
 Introduction to Digital Service 	es RMU						
 Introduction to Anatomy Depart 	artment						
 Introduction to Physiology De 	partment						
 Introduction to Biochemistry 							
 Introduction to Behavioral Sci 	ences						
 Intorduction to Pharmacology 							
Introduction to Pathology							
Introduction to Community M	ledicine & Research Model of RMU						
	Spiral Courses						
Bioethics & Professionalism	Introduction to history of medical ethics						
	Leadership Professionalism (DME)						
Family Medicine	Introduction to Family Medicine & its application in health care system						
Integrated Under Graduate	Research I Introduction of health research process						
Research Innovation	Research II characteristic of research process						
(IUGRC)	Research III Basis of ethics in health research						
	Research IV Basics of ethics in medical research						
 Behavioral Sciences 	Introduction to Behavioral Sciences						
	Stress in Medical Students & its Managment						
• Information Technology (IT)	How to use Higher Education Commission (HEC) digital library.						
Community Medicine (Life	Healthy Lifestyle: A Foundation for Medical Professionals						
Style and Prevention)	No. 4' - 1 To 4 4'						
	Vertical Integration						
	Clinically content relevant to Foundation Module - I						
a Doth along	Introduction to Pathology Callular Page and to Injury						
Pathology	Cellular Responses to Injury Luture Albert A comparations						
	Intracellular Accumulations Piamanta						
	• Pigments						
	• Free Radicals/ Reactive Oxygen Species (Ros).						
	Oxidative StressIrreversible Injury.						

Orientation Sessions

	Necrosis Apoptosis (Irreversible Injury)				
	Genetic Disorders				
	Introduction to Pharmacology				
 Pharmacology 	 Pharmacokinetic processes 				
1 1111111110 010 87	 Receptors and signal transduction processes 				
	Introduction to Community Medicine & Research Model of RMU				
	Immunization & Vaccination				
Community Medicine	Health Determinants & Indicators				
	Life Style Medicine				
	Health Education & Communication				
Medicine	Introduction to Medicine and History of Medicine				
Wiedienie	Chromosomal Abrassions				
• Surgery	History taking & its importance				
Burgery	CA Breast				
Obstetrics & Gynaecology	• Infertility				
- Obstetites & Gynaccology	Invitro Fertilization				
Peadiatrics	Medical Genetics & Dysmorphology				
	Early Clinical Exposure (ECE)				
Departments	Skill - 1: Hand Washing				
Medicine & Allied	Skiill – 2: Wearing Gloves				
Surgery and Trauma	Skill – 3: Providing Basic Life Support in Adults				
Emergency Department	Skill – 4: Scrubbing for Operation Theatre				
	Clinical Relevance				
 Medical Ethics 					
Genetic Disorders					
Understanding cellular and molecular mechanisms in disease (e.g., cancer and diabetes)					
 Importance of homeostasis in 	maintaining normal physiological function (e.g., dehydration and acid-base imbalances)				
 Application of medical ethics 	in real-life scenarios, such as patient confidentiality				
I	nunication in history-taking and empathy				

Categorization of Modular Content of Anatomy:

Category A*	Category 1	B**		Cate	gory C ***	
General Embryology	General Histology	General Anatomy	Demonstrations / SGD	CBL	Practical's	Self-Directed Learning (SDL)
 Introduction to human development Oogenesis Spermatogenesis Female reproductive cycles Ovulation and fertilization Cleavage and blastocyst formation Development of mammary gland 	 Types of epithelium Specialization of apical cell surface Intercellular junction and adhesions Glandular epithelium Mammary gland 	• Introduction to General Anatomy	 Anatomicomedical terminologies I (planes & positon) Anatomicomedical terminologies II (Anatomical terms and axis of movements) Anatomicomedical terminologies III (Cell and tissues) Anatomicomedical terminologies IV (Skin & Body system) Clavicle Scapula Humerus Anterior Axioappendicular muscles Posterior Axioappendicular muscles Axilla Brachial plexus & injuries Breast Sternoclavicular and acromioclavicular joints Radiograph / Cross Section and surface anatomy of axioappendicular region 	 Fracture of Clavicle Brachial plexus injuries 	 Introduction to microscope, Slide preparation, artifact Simple epithelium, Stratified epithelium Mammary gland 	 Green Stick Fracture of Clavicle Applied Anatomy of Scapula Applied Anatomy of Anterioraxioappendicular muscles Applied Anatomy of Posterior Axioappendicular muscles Applied Anatomy of Axilla Injuries of Brachial Plexus Applied Anatomy of Breast

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	02
3.	Assistant professor of Anatomy department (AP)	05
4.	Demonstrators of Anatomy department	08

Contact Hours (Faculty)

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

Contact Hours (Students)

Sr. #	Hours Calculation for Various Type of	Total Hours
	Teaching Strategies	
1.	Large Group Interactive Session (LGIS)	12 hours
2.	Small Group Discussions (SGD)	32 hours
3.	Case Based Learning (CBL)	2 hours
4.	Practical / Skill Lab	6.4 hours
5.	Supervised Self-Directed Learning (SSDL)	2 hours
6.	Self-Directed Learning (SDL)	7 hours

Categorization of Modular Content of Physiology:

Category A*	Category B**	Category C***				
LGIS	LGIS	PBL	CBL	Practical's	SGD	SDL
Introduction To Physiology	Concept of body fluids		Body Fluid	Introduction to Microscope	Functional	Concept of body fluids
Department (By Prof Dr.	& internal environment		Compartment, Cell	Introduction to Wintrobe and	Organization of Human	& internal environment
Samia Sarwar)	(By Dr. Sidra Hamid)		Membrane and	Westergen tube	Body and Cell	Genetics, Transcription
Homeostasis Control System- I	Intracellular		Cytoskeleton,	Apparatus identification	Physiology	and Translation
(Negative Feedback System,	communication and		Down's Syndrome	(Introduction to Neubauer's	Cellular Control	Receptor and signal
Concept Of Error And Gain)	cell junction (By Dr.			chamber, Red Blood Cell	Mechanism, Cell Cycle	transduction
(By Prof Dr. Samia Sarwar)	Sidra Hamid)			(RBC) pipettes& White Blood	and programmed cell	Structure of Nucleus,
Homeostasis Control System-	Receptor and signal			Cell (WBC) pipette	death / apoptosis	Ribosomes and Cell
II (positive feedback, and	transduction (By Dr.			4. Apparatus identification		Division
concept of feed forward,	Sidra Hamid)			(Introduction to centrifuge		Cellular Control
adaptive control and vicious				machine)		Mechanism, Cell Cycle
cycle)						and programmed cell
(By Prof Dr. Samia Sarwar)						death / apoptosis
Structure of Nucleus,	Active Transport- Ii					
Ribosomes and Cell Division	(Secondary Active					
(By Prof Dr. Samia Sarwar)	Transport) (Dr. Sheena					
Cell membrane &	Tariq)					
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	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 * 11 = 21 +1 =22 hours	11
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 - I (First Week) (17-02-2025 to 22-02-2025)

Date/Day	8:30 AM – 11:00 AM	11:00 AM	I – 11:40AM	11	:40 AM – 12:20 PM	12:20-1	:00PM		1:00-PM –	
45.00.0005				Orientation to RM	IU Curricular Reforms				Introduction To D RM	0
17-02-2025 Monday	Welcome address by VC Introduction to RMU, Allied hospitals		cal Education Department Modular System		of RMU & Continuous Assessment		MU (IUGRC), Biomedical nily Medicine,		Introduction To Teams (Online Curric	Component of
HR		Prof. Dr. Ifra Saeed	1 / Dr. Farzana Fatima	Dr. Arsa	lan Mughal	Dr. Sadia Khan & Dr Khaula Noreen			Direct Hafi Shah	
Venue			LATIF AUDIT	ORIUM					LATIF AUI	DITORIUM
	8:00 AM – 9:00 AM	9:00 AM	- 10:00 AM	10:00 AM - 11:00 AM	11:00-12:00	12:20 PM	I – 1:00 PM		1:00-2:	00 PM
18-02-2025 Tuesday	Introduction to Anatomy Department	Introduction to Physiology Department		Introduction to Biochemistry	BEHAVIORAL SCIENCES(LGIS)	PHARMA	ACOLOGY	Ţ		forms, Physiology
		indoduction to Thysiology Department		Department	Introduction to Behavioral Sciences	Introduction to	o Pharmacology	-12:20PM	& Biochemistry	
HR	Prof. Dr. Ayesha Yousaf (HOD & DEAN) **	Prof. Dr. Sa	amia Sarwar **	Dr. Aneela**	Prof. Dr. Asad Nizami	Dr Arsheen			Dr. Fareed, Dr. Al	i Raza
Venue			Lecture Theatre Comp					12:00	Lecture Theatre C	
	8:00 AM- 10:00AM	10:00-11:00		11:00 AM	- 12:00 AM	12:20 AM – 1:00 PM			1:00-2:	
19-02-2025	DISSECTION / SGD	PATHOLOGY		PHYSIOLOGY (LGIS)			TY MEDICINE	BREAK	BIOCHEMIS	STRY (LGIS)
Wednesday	Anatomicomedical terminologies I (positions and planes)	Introduction	n to Pathology	Cell Physiology & homeostasis	Concept of body fluids & Internal environment	Introduction to Community Medicine & Research Model of RMU			Cell Organelles (1)	Cell membrane
HR	2 Assistant Professors, 4 Demonstrators 6 Batches of Students	Dr Rabbiya Khaalid (Even)	Dr Sara Rafi (Odd)	Dr. Faizania Shabir (Even)	Dr. Sidra Hamid (Odd)	Dr. Kha	ula Noreen		Dr. Nayab (Even)	Dr. Kashif Rauf (Odd)
	8:00 AM - 10:00 AM	10:00	-11:00AM	11:00-	12:00PM	12:00 -	01:00PM		1:00-2:	00 PM
20-02-2025	DISSECTION/SGD	BEHAVIORAL	SCIENCES (LGIS)	PHYSIOL	OGY (LGIS)	ANATO	MY (LGIS)		COMMUNITY	Y MEDICINE
Thursday	Anatomicomedical terminologies II (Anatomical terms and axis of movements)	Stress in Medical Stu	idents & its Managment	Concept of body fluids & Internal environmen	, ,,	Embryology Introduction to Human Development	General Anatomy Introduction to General Anatomy		Immunization	& Vaccination
HR	2 Assistant Professors, 4 Demonstrators 6 Batches of Students	Dr. Azeem Rao (Odd)	Dr. Sadia Yasir (Even)	Dr. Sidra Hamid (Even)	Dr. Faizania Shabir (Odd)	Prof. Ayesha Yousaf (Even)	Asso. Prof. Dr Arslan (Odd)		Dr. Farah Pervaiz (Even)	Dr. Asif Maqsood (Odd)
	8:00 AM – 9:00 AM	9:00 AM	- 10:00 AM	10:00 AM	- 11:00 AM	11:00 AM	[– 12:00 PM			
	COMMUNITY MEDICINE	ANATO	OMY LGIS	COMMUNITY MEI	ICINE (RESEARCH-I)	PHARMAC	OLOGY LGIS			
21-02-2025		General Anatomy	Embryology	Introduction to Heal	h Research Process and					
Friday	Health Determinants & Indicators	Introduction to Introduction to Human General Anatomy development		Res	earcher	Pharmacokinetic processes			Friday l	Prayers
HR	Dr. Farah Pervaiz (Odd) Dr. Asif Maqsood (Even)	Arsalan (Even) (Odd) (Odd) (Even)								
22-02-2025	8:00 AM - 9:00 AM 9:00 AM - 10:00 AM		I – 11:00 AM		- 12:00 AM		1 – 1:00 PM		1:00 - 2:00 PM	
Saturday	DISSECTION/SGD		OGY (LGIS)		OLOGY LGIS		ISTRY (LGIS)	COMMUNITY ME		
Saturday	Anatomicomedical terminologies III (Cell and tissues)	Cellular resp	ponse to Injury	Receptors and signa	transduction processes	Cell membrane	Cell Organelles-I		Life Style	Medicine
HR	2 Assistant Professors, 4 Demonstrators 6 Batches of Students	Dr Sara Rafi (Even)	Dr Rabbiya Khaalid (Odd)	Dr. N	Memuna	Dr. Kashif Rauf (Even) Dr. Nayab (Odd)			Dr. Farah Pervaiz (Even)	Dr. Asif Maqosod (Odd)

							Table No. 1 ((Tin	ne: 12:20p	om – 02:00pi	n)						
Batch	Distribut	tion for					Sch	edu	le for Pra	ctical							
Practio	calSkills	(all subjects)	Day	Histolog	y Practical	Bioc	hemistry Practi	cal	Physiolo	Physiology Practical			siology	Biocl	hemistry SGD		
CBL/	Small G	roup									S	GD					
Discus	Discussion(Biochemistry			Batch	Teacher	Batch	Teacher		Batch	Teacher		Batch	Teacher	Batch	Teacher Name		
and Ph	iysiology	<i>i</i>)			Name		Name			Name	OD		Name				
Sr. No	Batch	Roll No.	Monday	C		В	Dr. Rahat	OD	E	Dr. Ali /Dr.	Η	A	Dr.	D	Dr. Uzma Zafar		
					НОБ			Н		Afsheen	by		Sheena				
1.	A	01-70	Tuesday	D		C	Dr. Sana Latif	4	A	Dr. Sheena	sed	В	Dr. Uzma	E	Dr. Rahat		
2.	В	71-140	Wednesday	E	by	D	Dr. Uzma		В	Dr. Uzma	Ϋ́	C	Dr.	A	Dr. Almas		
					sed										Farah		
3.	C	141-210	Thursday	В	rvis	A	Dr. Almas	nber	D	Dr. Nazia	Super	\mathbf{E}	Dr. Ali/Dr.	C	Dr. Sana Latif		
					pe ₁			Su					Afsheen				
4.	D	211-280	Saturday	A	Super	\mathbf{E}	Dr. Romessa		C	Dr. Farah		D	Dr. Nazia	В	Dr. Romessa		
5.	${f E}$	281-onwards															

Table No. 2 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	6.	C2	(176-210)	New Lecture Hall Complex	Dr. Nazia (Demonstrator Physiology)
			Physiology	(Demonstrator Biochemistry)				Lecture Theater # 03	
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah ali Shah	7.	D 1	(210-245)	New Lecture Hall Complex	Dr. Jawad (Demonstrator Physiology)
			Anatomy)	(Demonstrator of Physiology)				Lecture Theater # 02	
3.	B1	(71-105)	Anatomy Museum (First	Dr. Nayab Ramzan	8.	D2	(246-280)	New Lecture Hall Complex	Dr. Kashif Ashraf
			Floor Anatomy)	(APWMO Biochemistry)				Lecture Theater # 02	(Demonstrator of Anatomy)
4.	B2	(106-140)	Lecture Hall no.03 (First	Dr. Qurat Ul Ain	9.	E1	(281-315)	Anatomy Museum (First Floor	Dr. Uzma Zafar
			Floor)	(Demonstrator of Anatomy)				Anatomy)	(APWMO Biochemistry)
5.	C1	(141 - 175)	New Lecture Hall Complex	Dr. Farhat	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Najam
			Lecture Theater # 03	(PGT Physiology)					(PGT Physiology)

Table No. 3 Venues for Large Group Interactive Session (LGIS)

Odd Roll Numbers	New Lecture Hal	Complex Lecture Theater # 03
Even Roll Number	New Lecture Hal	Complex Lecture Theater # 02

		SGDs / Dissections		up Discussion	Table No. 5 Batch Distribution and Venues for Physiology & Biochemistry Small Group Discussion								
Batches	Roll No	Subgroup	Anatomy Teacher	Venue	Batches	Roll No	Subgroup	Physiology Teacher	Physiology Venue	Biochemistry Teacher	Biochemistry Venue		
A	01-60	A1: Roll No (1 – 15) A2: Roll No (16 – 30) A3: Roll No (31 – 45) A4: Roll No (46 – 60)	Dr. Tayyaba Qureshi (Assistant Professor)	New Lecture Hall Complex 02	A	01-70	A1: Roll No (1 – 14) A2: Roll No (15 – 28) A3: Roll No (29 – 42) A4: Roll No (43 – 56) A5: Roll No (57 – 70)	Dr. Sheena Tariq (APWMO)	Physiology Lecture Hall 5	Dr. Uzma Zafar (APWMO)	Basement Lecture Hall No. 2		
В	61-120	B1: Roll No (61 – 75) B2: Roll No (76 – 90) B3: Roll No (91 – 105) B4: Roll No (06 – 120)	Dr. Sumyyia Bashir (Assistant Professor)	New Lecture Hall Complex 3	В	71-140	B1: Roll No (71 – 84) B2: Roll No (85 – 98) B3: Roll No (99 – 112) B4: Roll No (113 – 126) B5: Roll No (127 – 140)	Dr. Uzma Kiyani (Senior Demonstrator)	Physiology Lecture Hall 5	Dr. Rahat (APWMO)	Basement Lecture Hall No. 2		
С	121-180	C1: Roll No (121 – 135) C2: Roll No (136 – 150) C3: Roll No (151 – 165) C4: Roll No (166 – 180)	Dr. Zeneara Saqib (Demonstrator)	New Lecture Hall Complex 04	С	141-210	C1: Roll No (141 – 154) C2: Roll No (155 – 168) C3: Roll No (169 – 182) C4: Roll No (183 – 196) C5: Roll No (197 – 210)	Dr. Farah Shah (Demonstrator)	Physiology Lecture Hall 5	Dr. Almas (APWMO)	Basement Lecture Hall No. 2		
D	181- 240	D1: Roll No (181 – 195) D2: Roll No (196 - 210) D3: Roll No (211 – 225) D4: Roll No (226 – 240)	Dr. Qurat ul Ain (Senior. Demonstrator)	New Lecture Hall Complex 01	D	211-280	D1: Roll No (211 – 224) D2: Roll No (225 – 238) D3: Roll No (239 – 252) D4: Roll No (253 – 266) D5: Roll No (267 – 280)	Dr. Nazia (Demonstrator)	Physiology Lecture Hall 5	Dr. Sana Latif (Senior Demonstrator)	Basement Lecture Hall No. 2		
E	241- 300	E1: Roll No (241 – 255) E2: Roll No (256 – 270) E3: Roll No (271 – 285) E4: Roll No (286 – 300)	Dr. Sajjad Hussain (Senior. Demonstrator)	Anatomy Lecture Hall 04	E	281- onwards	E1: Roll No (281 – 294) E2: Roll No (295 – 308) E3: Roll No (309 – 322) E4: Roll No (323 – 336)	Dr. Ali Zain / Dr. Afsheen (P. G Trainee)	Physiology Lecture Hall 5	Dr. Romessa (Demonstrator)	Basement Lecture Hall No. 2		
F	301- onwards	F1: Roll No (301 – 315) F2: Roll No 316 – 330) F3: Roll No 331 – 345) F4: Roll No (346 – onwards) Supervised by Prof. Dr. Ayesl	Dr. Ali Raza (Senior. Demonstrator)	Anatomy Lecture Hall 03			E5: Roll No (337 – onwards) Supervised by Prof. Dr. S	Camio Carwar		Supervised by. I	Dr. Angolo Jamil		

Time Table for Foundation Module - I (Second Week) (24-02-2025 to 01-03-2025)

						(24-02	1-2025 to 01-05-202	15)																																														
Date/ Day	8:00 AM - 9	9:00 AM	9:00 AM	I – 09:50 AM	9:50AM - 10:10AM	10:10 A	M – 11:00 AM	11:00 AM	- 11:50 AM	11:50 AM - 12:20 PM	12:20 PM - 02:00PM	Home Assignment																																										
24-02-2025 Monday	Anatomicomedic		TION/ SGD gies IV (Skin a	nd body systems)		PHYSIC Cell membrane & classification of cell organelles Dr. Faizania Shabir (Even)	Intracellular communication and cell junction Dr. Sidra Hamid (Odd)	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																																										
	DISSECTIO	N/ SGD	ANAT	OMY CBL		PHYSI	OLOGY SGD	PHYSIOLO																																														
25-02-2025 Tuesday	Clavic		Fracture of Clavicle (Refer to table no. 1)				aid and Internal Environment	Cell organelles& cell function - I	function - I signal transduction		Practical & SGD Topics& Venue mentioned at the end (Refer to table no. 1)	SDLPhysiology Homeostatic control mechanism																																										
	5.4941.9m.	and a con	,	,	e a k		to Table No.3	Dr. Faizania Shabir (Even)	Dr. Sidra Hamid (Odd)	ak	(Refer to table no. 1)																																											
26-02-2025	Scapula Anastomosis &		nastomosis & its	Bre	Characteristics of R	esearch Process and Health earch Process	SURGERY History taking & its importance		Bre	Practical & SGD Topics& Venue mentioned at the end	SDL Boichemistry Biomarkars and their clinical																																											
Wednesday	•		Ĉlinical Significance			Dr. Rizwana Shahid (Odd)	Dr. Abdul Qudoos (Even)	Dr. Asad Amir (Even)	Dr. Hira (Odd)		(Refer to table no. 1)	importance of Cell organelles																																										
	COMMUNITY MEDICINE LGIS		BIOCHEMISTRY LGIS			PHYSIOLOGY (LGIS)		GUEST L	LECTURE			SDL Biochemistry																																										
27-02-2025 Thursday	Health Education & Communication		Cell Transport Organelle- across cell II membrane			Receptor and signal transduction	Cell organelles & related cell function - I	Anti - N	Narcotic		Practical & SGD Topics& Venue mentioned at the end	Cell Membrane Transport Across Cell Membrane																																										
	Dr. Farah Pervaiz (Even)	Dr. Asif Maqsood (Odd)	Dr Novoh Dr Kahert Pout			Dr. Sidra Hamid (Even)	Dr. Faizania Shabir (Odd)	ANF Team			(Refer to table no. 1)																																											
Date/ Day	8:00 AM - 9	0:00 AM	9:00 AM	I - 10:00 AM		10:00 AM – 11		11:00 AM	– 12:00 PM																																													
	BIOCHEMIST		PATHOI	LOGY (LGIS)	COM	MUNTIY MEIDICN	E (RESEARCH-III)	PBL 1 (SI	ESSION-I)																																													
28-02-2025 Friday	Transport across cell membrane	Cell organelle- II		ar accumulation		Basic of Ethics in He	ealth Research	PBL Team			SDL Anatomy Green Stick Fracture of Clav	ricle																																										
	Dr. Kashif Rauf (Even)	Dr Nayab (Odd)	Dr Rabbiya Khaalid (Eve			na Shahid (Even)	Dr. Abdul Qudoos (Odd)																																															
Date/ Day	8:00 AM – 9:50 AM			9:50AM – 10:10AM	10:10 A	M – 11:00 AM	11:00 AM	- 11:50 AM	11:50 AM - 12:20 PM	12:20 PM - 02:00PM	Home Assignment																																											
		DISSECT	TION/ SGD		a k	ВІОСНЕ	MISTRY (LGIS)	COMMUNTIY MEIDICNE (RESEARCH-IV)																																												k	Practical & SGD	SDL
01-03-2025 Saturday		Humerus				e e		r e	Water & PH Physico chemical aspects-I		Basis of Ehics in Medical Research		rea	Topics & Venue mentioned at the end	Applied Anatony of Scapula																																							
Saturday	Humerus				Dr. Uzma Zafar Dr. Navah (Odd) Dr. 1		Dr. Rizwana Shahid (Odd)	Dr. Abdul Qudoos (Even)	В	(Refered to table no. 1)																																												

	Table No. 1 (Time: 12:20pm – 02:00pm)															
				Table	No. 1 ('	ime: 12:20)pm –	02:00pm)								
Batcl	n Distribu	tion for Practical	Topics for Skill Lab with Venue					Sch	edul	e for Pra	ctical					
Skills	Skills (all subjects) • Introduction to Microscope and			Day Histology			Bioc	BiochemistryPractical			gy Practical		Phy	siology	Bioch	emistry SGD
CBL			Preparation of Slide. Artifacts	Practical								,	SGD			
(Biod	hemistry	and Physiology)	(Anatomy/Histology-practical)		Batch T		Batch	Teacher		Batch	Teacher		Batch	Teacher	Batch	Teacher
	N Detail Dell No		venue-Histology Laboratory (Dr.		Name			Name			Name	[OD		Name		Name
Sr. No	Batch	Roll No.	Kashif)	Monday	C	\sim	В	Dr. Rahat	101	E	Dr. Ali /Dr.	y H	A	Dr.	D	Dr. Uzma
			 Introduction to glass wares 			НОБ			y F		Afsheen	1 b		Sheena		Zafar
1.	A	01-70	(Pipetting) (Biochemistry	Tuesday	D	Jy E	C	Dr. Sana Latif	d b	A	Dr. Sheena	ise	В	Dr. Uzma	E	Dr. Rahat
2.	В	71-140	practical) venue- Biochemistry lab)	Wednesday	E	d b	D	Dr. Uzma	ise	В	Dr. Uzma	EV.	C	Dr. Farah	A	Dr. Almas
3.	С	141-210	 Introduction to Microscope. 	Thursday	В	ise	A	Dr. Almas	:VIE	D	Dr. Nazia	dn	E	Dr. Ali/Dr.	C	Dr. Sana
			(Physiology-Practical (Physiology	_		SIV.			dn			S		Afsheen		Latif
4.	D	211-280	Laboratory)	Saturday	A	nbe	E	Dr. Romessa	S	С	Dr. Farah		D	Dr. Nazia	В	Dr. Romessa
5.	E	281-onwards				S										

Topics for SGDs / CBL with Venue

- Physiology small group discussion-Functional organization of human body and cell physiology venue-Lecture Hall 5
- Biochemistry small group discussion Cell & Cell membrane- Lecture Hall 3
- Anatomy CBL: Fracture of Clavicle

			Table No. 2 Batc	h Distribution with Venues an	d Teache	ers Name	for Problem Ba	sed Learning (PBL) Sessions	
Sr No	Batches	Roll No	Venue	Teachers	Sr No. 1	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05	Dr. Sana Latif	6.	C2	(176-210)	New Lecture Hall Complex	Dr. Nazia (Demonstrator
			Physiology	(Demonstrator Biochemistry)				Lecture Theater # 03	Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah ali Shah	7.	D1	(210-245)	New Lecture Hall Complex	Dr. Jawad (Demonstrator
			Anatomy)	(Demonstrator of Physiology)				Lecture Theater # 02	Physiology)
3.	B1	(71-105)	Anatomy Museum (First	Dr. Nayab Ramzan	8.	D2	(246-280)	New Lecture Hall Complex	Dr. Kashif Ashraf
			Floor Anatomy)	(APWMO Biochemistry)				Lecture Theater # 02	(Demonstrator of Anatomy)
4.	B2	(106-140)	Lecture Hall no.03 (First	Dr. Qurat Ul Ain	9.	E 1	(281-315)	Anatomy Museum (First Floor	Dr. Uzma Zafar
			Floor)	(Demonstrator of Anatomy)				Anatomy)	(APWMO Biochemistry)
5.	C1	(141 - 175)	Anatomy Museum (First	Dr. Farhat	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Najam
			FloorAnatomy)	(PGT Physiology)					(PGT Physiology)

Table No. 3 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

Table No	. 4 Batch D	istribution and Venues for An SGDs / Dissections		oup Discussion	Table	No. 5 Bato	ch Distribution and Venue	es for Physiology &	& Biochemistry S	mall Group Discu	ssion SGDs
Batches	Roll No	Subgroup	Anatomy Teacher	Venue	Batches	Roll No	Subgroup	Physiology Teacher	Physiology Venue	Biochemistry Teacher	Biochemistry Venue
A	01- 60	A1: Roll No (1 – 15) A2: Roll No (16 – 30) A3: Roll No (31 – 45) A4: Roll No (46 – 60)	Dr. Tayyaba Qureshi (Assistant Professor)	New Lecture Hall Complex 02	A	01-70	A1: Roll No (1 – 14) A2: Roll No (15 – 28) A3: Roll No (29 – 42) A4: Roll No (43 – 56) A5: Roll No (57 – 70)	Dr. Sheena Tariq (APWMO)	Physiology Lecture Hall 5	Dr. Uzma Zafar (APWMO)	Basement Lecture Hall No. 2
В	61-120	B1: Roll No (61 – 75) B2: Roll No (76 – 90) B3: Roll No (91 – 105) B4: Roll No (06 – 120)	Dr. Sumyyia Bashir (Assistant Professor)	New Lecture Hall Complex 3	В	71-140	B1: Roll No (71 – 84) B2: Roll No (85 – 98) B3: Roll No (99 – 112) B4: Roll No (113 – 126) B5: Roll No (127 – 140)	Dr. Uzma Kiyani (Senior Demonstrator)	Physiology Lecture Hall 5	Dr. Rahat (APWMO)	Basement Lecture Hall No. 2
С	121-180	C1: Roll No (121 – 135) C2: Roll No (136 – 150) C3: Roll No (151 – 165) C4: Roll No (166 – 180)	Dr. Zeneara Saqib (Demonstrator)	New Lecture Hall Complex 04	C	141-210	C1: Roll No (141 – 154) C2: Roll No (155 – 168) C3: Roll No (169 – 182) C4: Roll No (183 – 196) C5: Roll No (197 – 210)	Dr. Farah Shah (Demonstrator)	Physiology Lecture Hall 5	Dr. Almas (APWMO)	Basement Lecture Hall No. 2
D	181- 240	D1: Roll No (181 – 195) D2: Roll No (196 - 210) D3: Roll No (211 – 225) D4: Roll No (226 – 240)	Dr. Qurat ul Ain (Senior. Demonstrator)	New Lecture Hall Complex 01	D	211-280	D1: Roll No (211 – 224) D2: Roll No (225 – 238) D3: Roll No (239 – 252) D4: Roll No (253 – 266) D5: Roll No (267 – 280)	Dr. Nazia (Demonstrator)	Physiology Lecture Hall 5	Dr. Sana Latif (Senior Demonstrator)	Basement Lecture Hall No. 2
E	241- 300	E1: Roll No (241 – 255) E2: Roll No (256 – 270) E3: Roll No (271 – 285) E4: Roll No (286 – 300)	Dr. Sajjad Hussain (Senior. Demonstrator)	Anatomy Lecture Hall 04	E	281- onwards	E1: Roll No (281 – 294) E2: Roll No (295 – 308) E3: Roll No (309 – 322) E4: Roll No (323 – 336)	Dr. Ali Zain / Dr. Afsheen (P. G Trainee)	Physiology Lecture Hall 5	Dr. Romessa (Demonstrator)	Basement Lecture Hall No. 2
F	301- onwards	F1: Roll No (301 – 315) F2: Roll No 316 – 330) F3: Roll No 331 – 345) F4: Roll No (346 – onwards) Supervised by Prof. Dr. Ayesl	Dr. Ali Raza (Senior. Demonstrator)	Anatomy Lecture Hall 03			E5: Roll No (337 – onwards) Supervised by Prof. Dr. S	Samia Sarwar		Supervised by. I	Or. Aneela Jamil

Time Table for Foundation Module - I (Third Week) (03-03-2025 to 08-03-2025)

Date/Day	8:00am-9:20	0am	9:20an	n – 10:10am	10:10am – 10:30am	10:30am	-11:10am	11:10	am-11:50am	11:50am – 01:00pm	Home Assignments
	DISSECTION	/ SGD	SUPER	RVISED SDL		MEDI	ICINE	BIOCHE	MISTRY LGIS	D 4 10 CD	
03-03-2025 Monday	Anterior Axioapp			xioappendicular		Med	dicine nd History of icine	Physico chemical aspects-I	Water & PH	Practical &CBL Topics & Venue mentioned at the end	SDL Physiology Intracellular
Wionday	Muscles			ılar Organization		Dr. Saleha Imran (Odd)	Dr. Ayesha Habib (Even)	Dr. Nayab (Even)	Dr. Uzma Zafar (Odd)	(Refered to table no. 1)	communication
	DISSECTION	/ SGD	SUPER	RVISED SDL		ANATOM	IY (LGIS)	PHYSIC	LOGY (LGIS)		
04-03-2025 Tuesday	Posterior Axioapp			axioappendicular		Histology Types of epithelium	Embryology Gametogenesis Spermatogenesis	Cell organelles & cell function - II	Homeostasis Control System- I (Negative Feedback System,	Practical &CBL Topics & Venue mentioned at the end	SDL Physiology Receptors &signal
Tuesday	muscles			ılar Organization	¥	Asso. Prof Dr. Mohtashim(Even)	Prof. Dr. Ayesha /Prof. Dr. Saima (Odd)	Dr. Faizania Shabir (Even)	Prof. Dr. Samia Sarwar /Dr. Uzma (Odd)	(Refered to table no. 1)	transduction
	BIOCHEMISTR	Y (LGIS)	PATHO	LOGY LGIS	ಡ	ANATO		PHYSIC	DLOGY (LGIS)		
05-03-2025	Physico chemical aspects-II & Physico	aspects-II & Physico		igments	Bre	Embryology Gametogenesis	Histology Types of	Homeostasis Con System- I (Negat Feedback System, Co	organelles& cell	Practical &CBL Topics & Venue	SDL Biochemistry Clinical Disease related to Physicochemical aspects
Wednesday	Dr. Nayab	Dr. Nayab Dr. Uzma (Even) Zafar(Odd)		Dr Rabbiya Khaalid (Odd)		Spermatogenesis Prof. Dr. Ayesha /Prof. Dr. Saima	Epithelium Asso. Prof Dr. Mohtashim (Even)	of Error and Gai Prof. Dr. Samia Sa /Dr. Uzma (Eve	arwar Dr. Faizania	mentioned at the end (Refered to table no. 1)	(Osmosis, Osmotic Pressure)
	` ′	Zarar(000)	(Even)	` ,		(Even)	MY LGIS	`	DLOGY (LGIS)		
	PEADS					Embryology	Histology	FIIISIC	Homeostasis Control		
06-03-2025 Thursday	Medical genetic & dy	smorphology	aspects-III			Gametogenesis -Oogenesis)	Apical Cell Surface	Genetics, transcription & translation	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 Biochemical and Pathogienises of Cancer
	Dr. Muhammac	d Asim	Dr. Uzma Zafar (Even)	Dr. Nayab (Odd)		Prof. Dr. Ayesha (Odd)	Asso. Prof Dr. Mohtashim(Even)	Dr. Faizania Shabir (Even)	Prof. Dr. Samia Sarwar /Dr. Uzma (Odd)	(Refered to table no. 1)	
07-03-2025 Friday						rly Clinical Exposur	e (ECE)				SDL Applied Anatony of Anterior axioappendicular muscles
Date/Day	8:00am-9:20	am	9:20am	– 10:10am	10:10am – 10:30am	10:30am-	11:10am	11:10a	nm-11:50am	11:50am – 01:00pm	Home Assignments
	COMMUNTIY M (RESEARCI		PBL 1 (SESSION-II)		ANATOM	IY (LGIS)	PHYSIC	DLOGY (LGIS)		
08-03-2025 Saturday	Basics of Ethics i Research (Resea				reak	Histology Specialization of Apical cell surface	Embryology Gametogenesis Oogenesis	Homeostasis Co System-II (posi feedback, and con- feed forward, ada	tive Genetics, cept of transcription &	Practical &CBL Topics & Venue mentioned at the end	SDL Applied Anatony of Postior axioappendicular muscles
•	Dr Mneeba Iqbal (Even)	Dr Rizwana (Odd)	, PE	BL Team	B	Asso. Prof. Dr Mohtashim (Even)	Prof. Dr. Ayesha (Odd)	control and vicious Prof. Dr. Samia S /Dr. Uzma (Ev	s cycle) Sarwar Dr. Faizania	(Refered to table no. 1)	Mid Module Clinical Evaluation

				Toble N	- 1 (T)	11.50)o	01.00								
-			T	1 able N	0.1(1)	me: 11:50	Jam –	01:00pm)								
Batcl	ı Distribut	tion for Practical	Topics for Skill Lab with Venue					Sche	edul	e for Pra	ctical					
Skill	s (all subje	ects)	Simple Epithelium	Day	His	tology	Bioc	hemistry Practio	cal	Physiolo	gy Practical		Phy	siology	Bioch	emistry SGD
		roup Discussion			Pra	actical								SGD		
(Biod	hemistry	and Physiology)	venue-Histology Laboratory (Dr.		Batch Te			Teacher		Batch	Teacher		Batch	Teacher	Batch	Teacher
			Kashif)			Name		Name	_		Name	НОБ		Name		Name
Sr. No	Batch	Roll No.	• Introduction to Lab Equipment	Monday	C	_	В	Dr. Rahat	HOD	E	Dr. Ali /Dr.	H	A	Dr.	D	Dr. Uzma
			(Biochemistry practical) venue-			НОБ			H		Afsheen	by		Sheena		Zafar
1.	A	01-70	Biochemistry Lab)	Tuesday	D		C	Dr. Sana Latif		A	Dr. Sheena	sed	В	Dr. Uzma	${f E}$	Dr. Rahat
2.	В	71-140	• Introduction to Wintrobe	Wednesday	\mathbf{E}	by	D	Dr. Uzma	sed	В	Dr. Uzma	3.	C	Dr.	A	Dr. Almas
			&Westergen tube (Physiology-			sed			. <u>Z</u>			lpe		Farah		
3.	C	141-210	Practical (Physiology Laboratory)	Thursday	В	.Vi	A	Dr. Almas	nbe	D	Dr. Nazia	Su	E	Dr. Ali/Dr.	C	Dr. Sana Latif
									Su					Afsheen		
4.	D	211-280		Saturday	A	Sup	E	Dr. Romessa		C	Dr. Farah		D	Dr. Nazia	В	Dr. Romessa
5.	E	281-onwards				- -										

Topics for SGDs / CBL with Venue

- Physiology CBL –Body fluid compartment, cell membrane & cytoskeletal-venue-Lecture Hall 5 (First Floor)
- Biochemistry Small Group Discussion Physico chemical aspects of cell membrane Lecture Hall 3 (First Floor) Cell & Cell membrane- Lecture Hall 3

			Table No. 2 Bato	h Distribution with Venues an	d Teach	ers Name	e for Problem Ba	sed 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	6.	C2	(176-210)	New Lecture Hall Complex	Dr. Nazia (Demonstrator
			Physiology	(Demonstrator Biochemistry)				Lecture Theater # 03	Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah ali Shah	7.	D 1	(210-245)	New Lecture Hall Complex	Dr. Jawad (Demonstrator
			Anatomy)	(Demonstrator of Physiology)				Lecture Theater # 02	Physiology)
3.	B1	(71-105)	Anatomy Museum (First	Dr. Nayab Ramzan	8.	D2	(246-280)	New Lecture Hall Complex	Dr. Kashif Ashraf
			Floor Anatomy)	(APWMO Biochemistry)				Lecture Theater # 02	(Demonstrator of Anatomy)
4.	B2	(106-140)	Lecture Hall no.03 (First	Dr. Qurat Ul Ain	9.	E 1	(281-315)	Anatomy Museum (First Floor	Dr. Uzma Zafar
			Floor)	(Demonstrator of Anatomy)				Anatomy)	(APWMO Biochemistry)
5.	C1	(141 - 175)	Anatomy Museum (First	Dr. Farhat	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Najam
			FloorAnatomy)	(PGT Physiology)					(PGT Physiology)

Table No. 3 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

		SGDs / Dissections		up Discussion	Table	No. 5 Bato	th Distribution and Venue	es for Physiology (x Biochemistry S	mall Group Discu	ssion SGDs
Batches	Roll No	Subgroup	Anatomy Teacher	Venue	Batches	Roll No	Subgroup	Physiology Teacher	Physiology Venue	Biochemistry Teacher	Biochemistry Venue
A	01-60	A1: Roll No (1 – 15) A2: Roll No (16 – 30) A3: Roll No (31 – 45) A4: Roll No (46 – 60)	Dr. Tayyaba Qureshi (Assistant Professor)	New Lecture Hall Complex 02	A	01-70	A1: Roll No (1 – 14) A2: Roll No (15 – 28) A3: Roll No (29 – 42) A4: Roll No (43 – 56) A5: Roll No (57 – 70)	Dr. Sheena Tariq (APWMO)	Physiology Lecture Hall 5	Dr. Uzma Zafar (APWMO)	Basement Lecture Hall No. 2
В	61-120	B1: Roll No (61 – 75) B2: Roll No (76 – 90) B3: Roll No (91 – 105) B4: Roll No (06 – 120)	Dr. Sumyyia Bashir (Assistant Professor)	New Lecture Hall Complex 3	В	71-140	B1: Roll No (71 – 84) B2: Roll No (85 – 98) B3: Roll No (99 – 112) B4: Roll No (113 – 126) B5: Roll No (127 – 140)	Dr. Uzma Kiyani (Senior Demonstrator)	Physiology Lecture Hall 5	Dr. Rahat (APWMO)	Basement Lecture Hall No. 2
С	121-180	C1: Roll No (121 – 135) C2: Roll No (136 – 150) C3: Roll No (151 – 165) C4: Roll No (166 – 180)	Dr. Zeneara Saqib (Demonstrator)	New Lecture Hall Complex 04	С	141-210	C1: Roll No (141 – 154) C2: Roll No (155 – 168) C3: Roll No (169 – 182) C4: Roll No (183 – 196) C5: Roll No (197 – 210)	Dr. Farah Shah (Demonstrator)	Physiology Lecture Hall 5	Dr. Almas (APWMO)	Basement Lecture Hall No. 2
D	181- 240	D1: Roll No (181 – 195) D2: Roll No (196 - 210) D3: Roll No (211 – 225) D4: Roll No (226 – 240)	Dr. Qurat ul Ain (Senior. Demonstrator)	New Lecture Hall Complex 01	D	211-280	D1: Roll No (211 – 224) D2: Roll No (225 – 238) D3: Roll No (239 – 252) D4: Roll No (253 – 266) D5: Roll No (267 – 280)	Dr. Nazia (Demonstrator)	Physiology Lecture Hall 5	Dr. Sana Latif (Senior Demonstrator)	Basement Lecture Hall No. 2
E	241- 300	E1: Roll No (241 – 255) E2: Roll No (256 – 270) E3: Roll No (271 – 285) E4: Roll No (286 – 300)	Dr. Sajjad Hussain (Senior. Demonstrator)	Anatomy Lecture Hall 04	E	281- onwards	E1: Roll No (281 – 294) E2: Roll No (295 – 308) E3: Roll No (309 – 322) E4: Roll No (323 – 336)	Dr. Ali Zain / Dr. Afsheen (P. G Trainee)	Physiology Lecture Hall 5	Dr. Romessa (Demonstrator)	Basement Lecture Hall No. 2
F	301- onwards	F1: Roll No (301 – 315) F2: Roll No 316 – 330) F3: Roll No 331 – 345) F4: Roll No (346 – onwards) Supervised by Prof. Dr. Ayesl	Dr. Ali Raza (Senior. Demonstrator)	Anatomy Lecture Hall 03			E5: Roll No (337 – onwards) Supervised by Prof. Dr. S	Camio Carwar		Supervised by. I	Dr. Angolo Jamil

Time Table for Foundation Module - I (Fourth Week) (10-03-2025 to 15-03-2025)

Date/Day	8:00am-	9:20am	9:20am -	· 10:10am	10:10am – 10:30am	10:30am-1	1:10am	11:10ar	n-11:50am	11:50am – 01:00pm	Home Assignments
	BIOCHEMIS	TRY (LGIS)	PATHOLO	OGY LGIS		ANATOM	Y(LGIS)	PHYSIOL	OGY (LGIS)		3
10-03-2025 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	Cell membrane ion channels, transport across cell membrane	Structure of nucleus, ribosomes and cell division	Practical &CBL Topics & Venue mentioned at the end (Refered to table no. 1)	SDL Physiology Genetics, transcription & translation
	Dr. Raja Khalid (Even)	Dr. Uzma Zafar (Odd)	Dr Sara Rafi (Even)	Dr Rabbiya Khaalid (Odd)		Prof. Dr. Ayesha (Even)	Asso. Prof. Dr. Arsalan (Odd)	Dr. Faizania Shabir (Even)	Dr. Uzma (Odd)	(Refered to table no. 1)	translation
	PATHOLO	GY (LGIS)	BIOCHEMIS	STRY (LGIS)		ANATOM		PHYSIOL	OGY (LGIS)		
11-03-2025 Tuesday	Irreversib Necrosis &		Nucleic Acid Chemistry-II	Properties / Factors of Enzymes		Histology Intercellular junctions and adhesions	Embryology Female Reproductive Cycles	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 Structure of nucleus ribosome's & cell
	Dr Sara Rafi (Odd)	Dr Rabbiya Khaalid (Even)	Dr. Uzma Zafar (Even)	Dr. Raja Khalid (Odd)	e a k	Asso. Prof. Dr. Arsalan (Even)	(Odd)	Dr. Uzma (Even)	Dr. Faizania Shabir (Odd)	(Refered to table no. 1)	division
	DISSECTI	ON / SGD	PBL 2 (SI	ESSION-I)	=	BIOCHEMIST	ΓRY (LGIS)	PHYSIOL	OGY (LGIS)		
12-03-2025 Wednesday	Ax	illa	PBL	Team	B	Nucleic Acid Chemistry-I	Introduction & Classification of Enzymes	Transport across cell membrane, Osmosis	Cellular control mechanism, cell cycle programmed cell death/ apoptosis	Practical &CBL Topics & Venue mentioned at the end (Refered to table no. 1)	SDL Biochemistry Nucliotide Derivatives and
						Dr. Uzma Zafar (Even)	Dr. Khalid (Odd)	Dr. Faizania Shabir (Even)	Dr. Uzma (Odd)	(Refered to table no. 1)	their importance
	DISSECTI	ON / SGD	BIOCHEMIS	STRY (LGIS)		PBL 2 (SES	SION -II)	PHYSIOL	OGY (LGIS)		
13-03-2025 Thursday	Ax	illa	Properties / Factors of Enzymes	Nucleic Acid Chemistry-II		PBL T	PBL Team		Transport across cell membrane, Osmosis	Practical &CBL Topics & Venue mentioned at the end (Refered to table no. 1)	SDL Biochemistry Causes and Repair of DNA
			Dr. Raja Khalid (Even)	Dr. Uzma (Odd)				Dr. Uzma (Even)	Dr. Faizania Shabir (Odd)	(Refered to table no. 1)	Damage
Date/ Day	8:00 AM -		9:00 AM -			10:00 AM - 11:00 A			I – 12:00 PM		
	GYNAE	& OBS	BIOCHEMIS	STRY (LGIS)		ANATOMY (LGI	/	PHYSIOL	OGY (LGIS)	SDL	
14-03-2025 Friday	Infer		MM Equation, Coenzymes, Co Fact		Ovulatio	mbryology on & Fertilization	Histology Glands	Active Transport I	Active Transport II	Applied Ana Axill	•
Titaly	Dr. Saima Shoaib (Even)	Dr Sadia Bano (Odd)	Dr. Uzma Zafar (Even)	Dr. Aneela (Odd)		f. Dr Ayesha (Even)	Asso. Prof. Dr Muhtashim (Odd)	Dr. Faizania Shabir (Even)	Dr. Sheena (Odd)		
Date/Day		8:00a	m-10:10am		10:10am – 10:30am	10:30am-1	1:10am	11:10ar	n-11:50am	11:50am – 01:00pm	Home Assignments
		DISSEC	CTION / SGD			BIOCHEMIST	TRY (LGIS)	PHYSIOL	OGY (LGIS)		
15-03-2025 Saturday		Brack	hial plexus		reak	Replication	MM Equation, Coenzymes, Co Factors	Active Transport II	Active Transport I	Practical &CBL Topics & Venue mentioned at the end	SDL Applied Anatony of
					B	Dr. Aneela (Even)	Dr. Raja Khalid (Odd)	Dr. Sheena (Even)	Dr. Faizania Shabir (Odd)	(Refered to table no. 1)	Brachial plexus

				Table N	o. 1 (Ti	me: 11:50)am –	01:00pm)								
Batch	Distribut	tion for Practical	Topics for Skill Lab with Venue					Sche	edul	e for Pra	ctical					
Skills	(all subje	ects)	• Stratified epithelium & transitional	Day	His	tology	Bioc	hemistry Practio	cal	Physiolo	gy Practical		Phy	siology	Bioch	emistry SGD
		roup Discussion			Pra	ctical							\$	SGD		
(Biocl	nemistry	and Physiology)	practical) venue-Histology		Batch	Teacher	Batch	Teacher		Batch	Teacher		Batch	Teacher	Batch	Teacher
			Laboratory (Dr. kashif)			Name		Name			Name	Ω		Name		Name
Sr. No	Batch	Roll No.	• Physiochemical Aspects of Cell -	Monday	C		В	Dr. Rahat		\mathbf{E}	Dr. Ali /Dr.	HOD	A	Dr.	D	Dr. Uzma
			Surface Tension and Emulsion			Δ			[OH		Afsheen	y F		Sheena		Zafar
1.	A	01-70	(Biochemistry practical) venue-	Tuesday	D	НОБ	C	Dr. Sana Latif	уF	A	Dr. Sheena	q p	В	Dr. Uzma	\mathbf{E}	Dr. Rahat
2.	В	71-140	Biochemistry Lab)	Wednesday	\mathbf{E}	y F	D	Dr. Uzma	d b	В	Dr. Uzma	ise	C	Dr.	\mathbf{A}	Dr. Almas
			 Apparatus identification 			d b			ise			ərv		Farah		
3.	C	141-210	(Introduction to Neubauer's	Thursday	В	ise	A	Dr. Almas	erv	D	Dr. Nazia	dn	E	Dr. Ali/Dr.	C	Dr. Sana
			chamber, Red Blood Cell (RBC)			AJe			ďn			S		Afsheen		Latif
4.	D	211-280	pipettes& White Blood Cell Saturday		A	odn	E	Dr. Romessa	S	С	Dr. Farah		D	Dr. Nazia	В	Dr. Romessa
5.	E	281-onwards	ards (WBC) pipette (Physiology-			S										
			Practical (Physiology Laboratory)													

Topics for SGDs / CBL with Venue

- Physiology CBL Down's syndrome (venue-Lecture Hall 5)
- Biochemistry CBL Enzymes-Lecture Hall 3

			Table No. 2 Bato	ch Distribution with Venues and T	'each	ers Nam	e for Problem Ba	ased 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	6.	C2	(176-210)	New Lecture Hall Complex	Dr. Nazia (Demonstrator
			Physiology	(Demonstrator Biochemistry)				Lecture Theater # 03	Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah ali Shah	7.	D1	(210-245)	New Lecture Hall Complex	Dr. Jawad (Demonstrator
			Anatomy)	(Demonstrator of Physiology)				Lecture Theater # 02	Physiology)
3.	B1	(71-105)	Anatomy Museum (First	Dr. Nayab Ramzan	8.	D2	(246-280)	New Lecture Hall Complex	Dr. Kashif Ashraf
			Floor Anatomy)	(APWMO Biochemistry)				Lecture Theater # 02	(Demonstrator of Anatomy)
4.	B2	(106-140)	Lecture Hall no.03 (First	Dr. Qurat Ul Ain (Demonstrator	9.	E1	(281-315)	Anatomy Museum (First Floor	Dr. Uzma Zafar
			Floor)	of Anatomy)		Anatomy)		Anatomy)	(APWMO Biochemistry)
5.	C1	(141-175)	Anatomy Museum (First	Dr. Farhat	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Najam
			FloorAnatomy)	(PGT Physiology)					(PGT Physiology)

Table No. 3 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

Table No	o. 4 Batch D	istribution and Venues for An		oup Discussion	Table	No. 5 Bate	ch Distribution and Venue	es for Physiology &	& Biochemistry S	mall Group Discu	ssion SGDs
		SGDs / Dissections		1						1	
Batches	Roll No	Subgroup	Anatomy Teacher	Venue	Batches	Roll No	Subgroup	Physiology Teacher	Physiology Venue	Biochemistry Teacher	Biochemistry Venue
A	01- 60	A1: Roll No (1 – 15) A2: Roll No (16 – 30) A3: Roll No (31 – 45) A4: Roll No (46 – 60)	Dr. Tayyaba Qureshi (Assistant Professor)	New Lecture Hall Complex 02	A	01-70	A1: Roll No (1 – 14) A2: Roll No (15 – 28) A3: Roll No (29 – 42) A4: Roll No (43 – 56) A5: Roll No (57 – 70)	Dr. Sheena Tariq (APWMO)	Physiology Lecture Hall 5	Dr. Uzma Zafar (APWMO)	Basement Lecture Hall No. 2
В	61-120	B1: Roll No (61 – 75) B2: Roll No (76 – 90) B3: Roll No (91 – 105) B4: Roll No (06 – 120)	Dr. Sumyyia Bashir (Assistant Professor)	New Lecture Hall Complex 3	В	71-140	B1: Roll No (71 – 84) B2: Roll No (85 – 98) B3: Roll No (99 – 112) B4: Roll No (113 – 126) B5: Roll No (127 – 140)	Dr. Uzma Kiyani (Senior Demonstrator)	Physiology Lecture Hall 5	Dr. Rahat (APWMO)	Basement Lecture Hall No. 2
С	121-180	C1: Roll No (121 – 135) C2: Roll No (136 – 150) C3: Roll No (151 – 165) C4: Roll No (166 – 180)	Dr. Zeneara Saqib (Demonstrator)	New Lecture Hall Complex 04	C	141-210	C1: Roll No (141 – 154) C2: Roll No (155 – 168) C3: Roll No (169 – 182) C4: Roll No (183 – 196) C5: Roll No (197 – 210)	Dr. Farah Shah (Demonstrator)	Physiology Lecture Hall 5	Dr. Almas (APWMO)	Basement Lecture Hall No. 2
D	181- 240	D1: Roll No (181 – 195) D2: Roll No (196 - 210) D3: Roll No (211 – 225) D4: Roll No (226 – 240)	Dr. Qurat ul Ain (Senior. Demonstrator)	New Lecture Hall Complex 01	D	211-280	D1: Roll No (211 – 224) D2: Roll No (225 – 238) D3: Roll No (239 – 252) D4: Roll No (253 – 266) D5: Roll No (267 – 280)	Dr. Nazia (Demonstrator)	Physiology Lecture Hall 5	Dr. Sana Latif (Senior Demonstrator)	Basement Lecture Hall No. 2
E	241- 300	E1: Roll No (241 – 255) E2: Roll No (256 – 270) E3: Roll No (271 – 285) E4: Roll No (286 – 300)	Dr. Sajjad Hussain (Senior. Demonstrator)	Anatomy Lecture Hall 04	E	281- onwards	E1: Roll No (281 – 294) E2: Roll No (295 – 308) E3: Roll No (309 – 322) E4: Roll No (323 – 336)	Dr. Ali Zain / Dr. Afsheen (P. G Trainee)	Physiology Lecture Hall 5	Dr. Romessa (Demonstrator)	Basement Lecture Hall No. 2
F	301- onwards	F1: Roll No (301 – 315) F2: Roll No 316 – 330) F3: Roll No 331 – 345) F4: Roll No (346 – onwards)	Dr. Ali Raza (Senior. Demonstrator)	Anatomy Lecture Hall 03			E5: Roll No (337 – onwards)	lamia Comuna		Consensional learn	Dr. Amada Jawii
<u> </u>		Supervised by Prof. Dr. Ayesl	na Yousat				Supervised by Prof. Dr. S	Samıa Sarwar		Supervised by. I	or. Aneela Jami

Time Table for Foundation Module - I (Fifth Week) (17-03-2025 to 22-03-2025)

Date/Day	8:00am-9	·20am	9:20am – 10	·10am	10:10am –	10:30am-11		·10am	_11•100	n-11:50am	11:50am – 01:00pm	Home Assignments
Date/Day	0.00am=9			-1Vaill	10:30am						Travanii - vravopin	Tome Assignments
17-03-2025		DISSECTIO				Embryology Ovulation and		(LGIS) Histology Glands	Transcription	ISTRY (LGIS) Regulation & Inhibition of	Practical & SGD Topics & Venue mentioned	SDL Physiology
Monday	Brachial ple	xus injuries an		Scapula		fertilization Prof. Dr. Ayesh (Even)		Asso. Prof. Dr. Mohtashim (Odd)	Dr. Aneela (Even)	Enzyme Activity Dr. Raja Khalid (Odd)	at the end (Refered to table no. 1)	Cell membrane
		DISSECT	ION					RY (LGIS)			Practical) & SGD	
18-03-2025 Tuesday		Breas	t			Regulation & Inh of Enzyme Acti Dr. Raja Khal	ivity	Transcription Dr. Aneela	S	SDL	Topics & Venue mentioned at the end	SDL Physiology Cell organelles
						(Even)	IIu	(Odd)			(Refered to table no. 1)	
	BIOCHE (LG		PATHO (LG)		e a k	MEDI	ICINE((LGIS)	DISSEC	ΓΙΟN / SGD	Practical & SGD	SDL Biochemistry
19-03-2025	Translation	Mutation	Genetic d	isorder	re	Chromos	omal A	brassions			Topics & Venue mentioned	Clinical Applications of PCR
Wednesday	Dr. Aneela (Even)	Dr. Kashif Rauf (Odd)	Dr Rabbiya Khaalid (Even)	Dr Sara Rafi (Odd)	B	Dr. Madiha Nazr (Odd)		Dr. Unazua (Even)	Dissecti	on/spotting	at the end (Refered to table no. 1)	& Recombinant DNA Technology
		DISSECTIO	N / SGD			ANATOMY		(LGIS)	BIOCHEMISTRY (LGIS)			
20-03-2025 Thursday	Sternoclay	icular and acro	omioclavicula	r ioints		Histology Histology & Development of Mammary Gland		Embryology Cleavage and formation of blastocyst	Mutation	Translation	Practical & SGD Topics & Venue mentioned at the end	SDL Biochemistry Diagonistic role of Enzymes
Ž				J		Asso. Dr. Mohata Hina (Even)	ashim	Prof. Dr. Ayesha Yousaf (Odd)	Dr. Kashif Rauf (Even)	Dr. Aneela (Odd)	(Refered to table no. 1)	·
Date/ Day		8:00 AM - 10				10:00 AM – 11				I – 12:00 PM		
		DISSECTIO	N / SGD			BIOCHEMISTE	RY (LG	SIS)	SURGE	RY (LGIS)	SDL	
21-03-2025 Friday	Radiograp	h/Cross Section	•	dicular		ant DNA/ PCR Chain Reaction)	Clin	ical Enzymology	CA	Breast	Applied Ana Brachial plexus	s injuries
					(ashif Rauf Even)		Raja Khalid / Dr. Aneela (Odd)	Dr. Hira (Odd)	Dr. Asad Amir (Even)	(Refered to tab	le no. 1)
Date/Day	8:00am-	-9:20am	9:20am – 1	10:10am	10:10am – 10:30am	10:30	am-11	:10am	11:10ar	n-11:50am	11:50am – 01:00pm	Home Assignments
		DISSECTIO	N / SGD			ANAT	OMY	(LGIS)	BIOCHEM	ISTRY (LGIS)		
22-03-2025 Saturday	Surface Ar	natomy of Axio		Region	reak	Histology Embryology Recombinant Histology & Cleavage and Clinical DNA/ PCR Development of formation of Enzymology (Polymerase Mammary Gland blastocyst Chain Reaction)		Recombinant DNA/ PCR (Polymerase	Practical & SGD Topics & Venue mentioned at the end	SDL Applied Anatony of Breast End Module		
					В	Asso. Dr. Mohata Hina (Odd)		Prof. Dr. Ayesha (Odd)	Dr. Raja Khalid / Dr. Aneela (Even)	Dr. Kashif Rauf (Odd)	(Refered to table no. 1)	Clinical Evaluation

				Table N	o. 1 (Ti	me: 11:50)am –	01:00pm)								
Batch	Distribut	ion for Practical	Topics for Skill Lab with Venue					Sche	edul	e for Pra	ctical					
	(all subje		Mammary Gland	Day	His	tology	Bioc	hemistry Practio	cal	Physiolo	gy Practical		Phy	siology	Bioch	emistry SGD
CBL/	Small G	roup Discussion	(Anatomy/Histology-practical)		Pra	ctical							5	GD		
(Bioch	nemistry	and Physiology)	Venue-Histology Laboratory (Dr.		Batch	Teacher	Batch	Teacher		Batch	Teacher		Batch	Teacher	Batch	Teacher
			Kashif)			Name		Name			Name Dr. Ali /Dr.	0		Name		Name
Sr. No	Batch	Roll No.	 Physiochemical aspects of cell- 	Monday	C		В	Dr. Rahat	HOD	E	Dr. Ali /Dr.	Н	A	Dr.	D	Dr. Uzma
			Adsorption & Tonicity			НОБ			Н		Afsheen	by		Sheena		Zafar
1.	A	01-70	(Biochemistry practical) venue-	Tuesday	D	Н	C	Dr. Sana Latif	by	A	Dr. Sheena	eq	В	Dr. Uzma	${f E}$	Dr. Rahat
2.	В	71-140	Biochemistry laboratory)	Wednesday	E	by	D	Dr. Uzma	eq	В	Dr. Uzma	vis	C	Dr.	A	Dr. Almas
			 Apparatus identification 			eq			Vis			per		Farah		
3.	C	141-210	(Introduction to centrifuge	Thursday	В	vis	A	Dr. Almas	Super	D	Dr. Nazia	Super	E	Dr. Ali/Dr.	C	Dr. Sana
			machine) (Physiology-Practical)			per			Su					Afsheen		Latif
4.	D	D 211-280 Venue-Physiology Laboratory Saturday		Saturday	A	Sup	E	Dr. Romessa		C	Dr. Farah		D	Dr. Nazia	В	Dr. Romessa
5.	E	281-onwards														

Topics for SGDs / CBL with Venue

- Physiology SGD Cellular control mechanism, cell cycle, programmed cell death, Apoptosis Lecture Hall 5
- Biochemistry CBL Genetics (PCR) Lecture Hall 3
- Anatomy CBL Brachial Plexus injuries and winging Of Scapula

			Table No. 2 Bate	h Distribution with Venues an	d Teach	ers Name	for Problem Ba	sed 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	6.	C2	(176-210)	New Lecture Hall Complex	Dr. Nazia (Demonstrator
			Physiology	(Demonstrator Biochemistry)				Lecture Theater # 03	Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah ali Shah	7.	D1	(210-245)	New Lecture Hall Complex	Dr. Jawad (Demonstrator
			Anatomy)	(Demonstrator of Physiology)				Lecture Theater # 02	Physiology)
3.	B1	(71-105)	Anatomy Museum (First	Dr. Nayab Ramzan	8.	D2	(246-280)	New Lecture Hall Complex	Dr. Kashif Ashraf
			Floor Anatomy)	(APWMO Biochemistry)				Lecture Theater # 02	(Demonstrator of Anatomy)
4.	B2	(106-140)	Lecture Hall no.03 (First	Dr. Qurat Ul Ain	9.	E1	(281-315)	Anatomy Museum (First Floor	Dr. Uzma Zafar
			Floor)	(Demonstrator of Anatomy)				Anatomy)	(APWMO Biochemistry)
5.	C1	$(141 - \overline{175})$	Anatomy Museum (First	Dr. Farhat	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Najam
			FloorAnatomy)	(PGT Physiology)					(PGT Physiology)

Table No. 3 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

Table No	o. 4 Batch D	istribution and Venues for An SGDs / Dissections		oup Discussion	Table	No. 5 Bato	ch Distribution and Venue	es for Physiology &	& Biochemistry S	mall Group Discu	ssion SGDs
Batches	Roll No	Subgroup	Anatomy Teacher	Venue	Batches	Roll No	Subgroup	Physiology Teacher	Physiology Venue	Biochemistry Teacher	Biochemistry Venue
A	01- 60	A1: Roll No (1 – 15) A2: Roll No (16 – 30) A3: Roll No (31 – 45) A4: Roll No (46 – 60)	Dr. Tayyaba Qureshi (Assistant Professor)	New Lecture Hall Complex 02	A	01-70	A1: Roll No (1 – 14) A2: Roll No (15 – 28) A3: Roll No (29 – 42) A4: Roll No (43 – 56) A5: Roll No (57 – 70)	Dr. Sheena Tariq (APWMO)	Physiology Lecture Hall 5	Dr. Uzma Zafar (APWMO)	Basement Lecture Hall No. 2
В	61-120	B1: Roll No (61 – 75) B2: Roll No (76 – 90) B3: Roll No (91 – 105) B4: Roll No (06 – 120)	Dr. Sumyyia Bashir (Assistant Professor)	New Lecture Hall Complex 3	В	71-140	B1: Roll No (71 – 84) B2: Roll No (85 – 98) B3: Roll No (99 – 112) B4: Roll No (113 – 126) B5: Roll No (127 – 140)	Dr. Uzma Kiyani (Senior Demonstrator)	Physiology Lecture Hall 5	Dr. Rahat (APWMO)	Basement Lecture Hall No. 2
C	121-180	C1: Roll No (121 – 135) C2: Roll No (136 – 150) C3: Roll No (151 – 165) C4: Roll No (166 – 180)	Dr. Zeneara Saqib (Demonstrator)	New Lecture Hall Complex 04	C	141-210	C1: Roll No (141 – 154) C2: Roll No (155 – 168) C3: Roll No (169 – 182) C4: Roll No (183 – 196) C5: Roll No (197 – 210)	Dr. Farah Shah (Demonstrator)	Physiology Lecture Hall 5	Dr. Almas (APWMO)	Basement Lecture Hall No. 2
D	181- 240	D1: Roll No (181 – 195) D2: Roll No (196 - 210) D3: Roll No (211 – 225) D4: Roll No (226 – 240)	Dr. Qurat ul Ain (Senior. Demonstrator)	New Lecture Hall Complex 01	D	211-280	D1: Roll No (211 – 224) D2: Roll No (225 – 238) D3: Roll No (239 – 252) D4: Roll No (253 – 266) D5: Roll No (267 – 280)	Dr. Nazia (Demonstrator)	Physiology Lecture Hall 5	Dr. Sana Latif (Senior Demonstrator)	Basement Lecture Hall No. 2
Е	241- 300	E1: Roll No (241 – 255) E2: Roll No (256 – 270) E3: Roll No (271 – 285) E4: Roll No (286 – 300)	Dr. Sajjad Hussain (Senior. Demonstrator)	Anatomy Lecture Hall 04	E	281- onwards	E1: Roll No (281 – 294) E2: Roll No (295 – 308) E3: Roll No (309 – 322) E4: Roll No (323 – 336)	Dr. Ali Zain / Dr. Afsheen (P. G Trainee)	Physiology Lecture Hall 5	Dr. Romessa (Demonstrator)	Basement Lecture Hall No. 2
F	301- onwards	F1: Roll No (301 – 315) F2: Roll No 316 – 330) F3: Roll No 331 – 345) F4: Roll No (346 – onwards) Supervised by Prof. Dr. Ayesl	Dr. Ali Raza (Senior. Demonstrator)	Anatomy Lecture Hall 03			E5: Roll No (337 – onwards) Supervised by Prof. Dr. S	amia Sarwar		Supervised by, I	Dr. Aneela Jamil

Tentative Schedule for LMS Based Weekly Online Assessments for First Year MBBS (Foundation Module - I) Batch 52

The Online Assessment for Foundation Module - I for First Year MBBS will be as per following schedule:

Class	Module	Day & Date	Time of Assessment	Focal person	Department Responsible
		Monday 03 rd March, 2025	7:00 pm-7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 04 th March, 2025	7:00 pm-7:30pm	Prof. Dr Samia Sarwar	Physiology
First Year	Foundation	Wednesday 05 th March, 2025	7:00 pm-7:30pm	Dr Aneela Jamil	Biochemistry
MBBS	Module - I	Monday 10 th March, 2025	7:00 pm-7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 11 th March, 2025	7:00 pm-7:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 12 th March, 2025	7:00 pm-7:30pm	Dr Aneela Jamil	Biochemistry

Note: All dates are subject to change.

End of Foundation Module - I Assessment (24-03-2025 to 29-03-2025)

Date / Days	Tentative Datesheet	Time
24-03-2025		
Monday		
25-03-2025		
Tuesday		
26-03-2025		
Wednesday	Asssessment Week	
27-03-2025	Assessment week	
Thursday		
28-03-2025		
Friday		
29-03-2025		
Saturday		

^{*}All dates are subject to change.

^{*}Details will be shared separately.

SECTION VII

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

9										Doma	ains:	C-Core	Subje	ect (70%)	Level	s C1-C	C2, HV	Horizo	ntal &	Vertic	al Inte	grat	ion (20	%) Levels	C2-C3, S	- Spi	iral In	tegra	ation (10%) Lev	els C2-C3		-2540					
												The	eory	(Cog	nitiv	e) Ass	essme	ent							<i>-</i>			Practical (Skill & Attitude) Assessment											
End of Module Assessment	Subject			M	CQs	_			EM	Qs				SA	AQs					SEC	5		ı	Marks	Total Marks Theory	Total Time			AV	OSPE		Time	AED Reflective Writing		OSVE		Total Practical Marks	Grand Total	Total Time of Module Assessment
		C	HV	S	Total	Mai	rks	C	Total	Marks	5	С	H	۷	S	Tota	l Ma	rks	C	HV	S	Tot	tal		incory		(HV	S	Total	Marks		•	Viva	Сору	Total	Marks		
	Anatomy	19	4	2	25	25	5	1	1	5		3	1	L	1	5	25	5	3	1	1	5		45	100	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
First Module	Physiology	19	4	2	25	25	5	1	1	5		3	1	L	1	5	25	5	3	1	1	5		45	100	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
	Biochemistry	19	4	2	25	25	5	1	1	5		3	1		1	5	25	5	3	1	1	5	П	45	100	2 HRS	7	7 2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Formative- Week	ly LMS Based Assess	ment (of 30	MCQ	s (10 N	ACQs p	er Sul	bject	:)																														
										ole Sec				- 0			_			<u>v</u>	y					7			П							2			
		3										The	eory	(Cog	nitiv	e) Ass	essme	ent									Practical (Skill & Attitude) Assessment							Total Time of					
End of Module Assessment	Subject			M	CQs				EM	Qs				SA	AQs					SEQ	s		1	Marks	Total Marks	Total			AV	OSPE		Time	AED Reflective		OSVE		Total Practical	Grand Total	Module
1.500 (1.5		C	HV	S	Total	Mai	rks	C	Total	Marks	s	С	H	٧	S	Tota	Mai	rks	C	HV	S	Tot	tal	1504051	Theory	Time	(HV	S	Total	Marks	10000000	Writing	Viva	Сору	Total	Marks	40000	Assessment
Second	Anatomy	19	4	2	25	25	5	1	1	5		3	1	l	1	5	2	5	3	1	1	5		45	100	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Module	Physiology	19	4	2	25	25	5	1	1	5		3	1	ı	1	5	25	5	3	1	1	5		45	100	2 HRS	7	2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Wodule	Biochemistry	19	4	2	25	25	5	1	1	5	T	3	1	l	1	5	25	5	3	1	1	5	i	45	100	2 HRS	7	7 2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Formative- Week	ly LMS Based Assess	men to	of 30	MCQ	s (10 N	ACQs p	er Sul	bject)				-77				1100				10.00	71			27.67.0												100 Marines		

Block	Subjects		LMS I	Base	d Asses	sment			Gran	Total Block				
DIOCK	Subjects			N	ACQs		LabOSPE	IOSPE	COSPE	Total	Marks	Time	d Tatal	Time
		С	HV	S	Total	Time	C	HV	S	IUtai	IVIGINS	inne	TOTAL	
	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

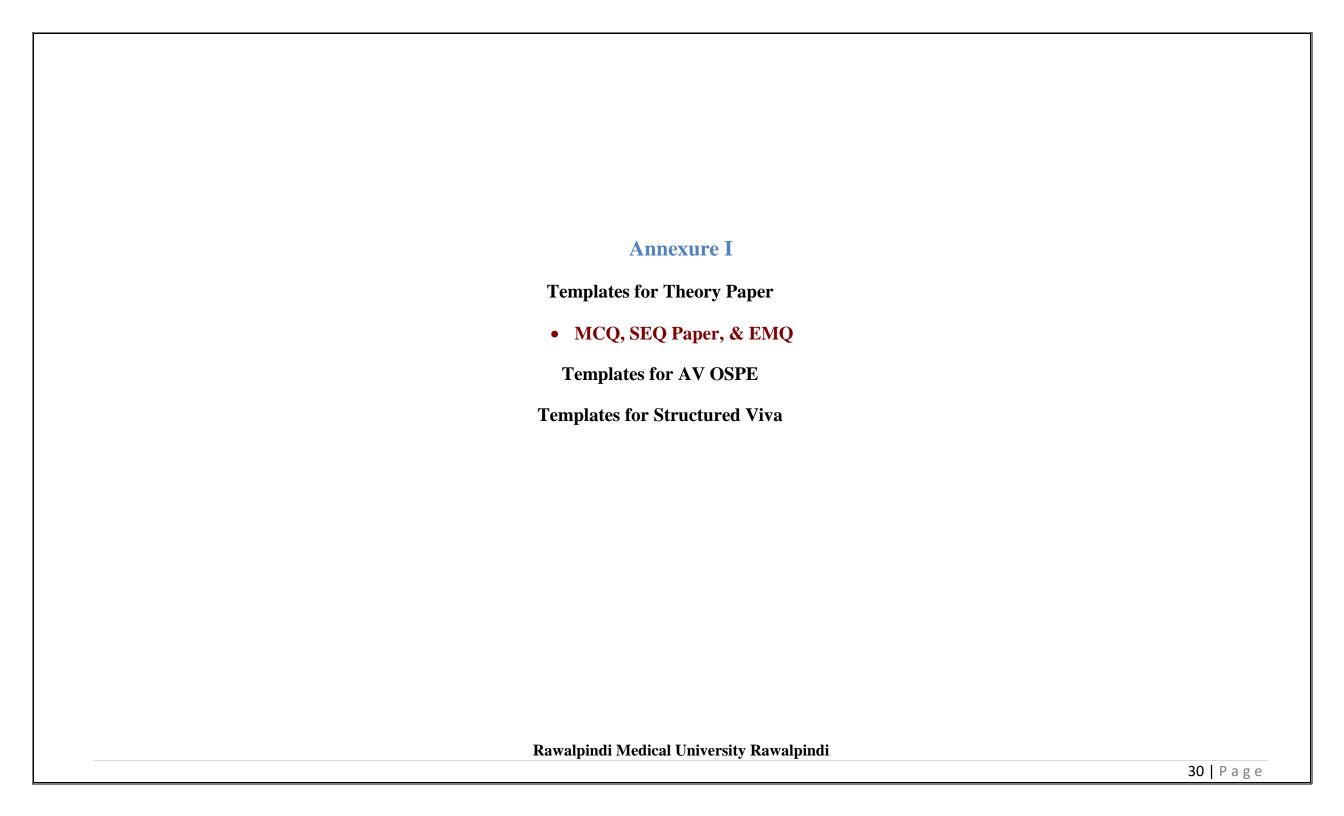
For Each assessment student will have to individually pass Theory and Practical components

Marks per

Item

MCQ=1	EMQ=5	SAQ= 5	SEQ= 9	AVOSPE= 5	OSPE= 3
OSPE Time=	1 Round of 40 St	udents =80 min			
(3 Round of 40 St	tudents =240 min			
OSVE					

W	eekly LMS	Assessment			
Subjects	Anatomy	Physiology	DIOCHEITIIS		
No of MCQs*	30	30	30		
Marks/MCQ	30	30	30		



Department of Anatomy, Physiology & Biochemistry MCQs & EMQ Paper for _____ Module, First Year MBBS Batch 52 Date: 00-00-0000

Total Marks: 30 (MCQs: 25, EMQ: 5)	Roll No
Total Time: 30 Minutes	Name.

Each MCQ carries 1 mark and EMQ carries 5 marks

Encircle the single best response

Q. #	Integrated & Clinically Oriented Assessment of the Subject Anatomy, Physiology & Biochemistry	Level of
	Section A: Core Knowledge of Anatomy / Physiology / Biochemistry (70%)	Cognition
1.	Question	C1
	a	
	b	
	c	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	
	Section – B: Integrations (30%)	
	Horizontal Integration Anatomy / Physiology / Biochemistry (5%)	ı
2.	Horizontal Integration with Anatomy (2.5%)	C1
	Questions	
	a	
	b	
	c	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	
	Vertical Integration with Medicine / Surgery / Gynae Obs etc (15%)	T
3.	Question	C3
	a	
	b	
	c	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	
	Spiral Integration (10%)	

	Medical Bioethics	
4.	Question	C2
	a	
	b	
	c	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	
	Family Medicine	
5.	Question	
	a	
	b	
	c	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	

Rawalpindi Medical University Rawalpindi Department of Anatomy, Physiology & Biochemistry

SEQ & SAQ Paper for	Module,	Year MBBS Batch	
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Date: 00-00-0000

Total Marks: 70 Time allowed: 1 hour & 30 minutes
Each SAQ carries 5 marks Each SAQ: 5 minutes, SEQ: 10 minutes

Each SEQ carries 9 marks

Attempt all Questions

	Attempt an Questi	0113			
Integra	ated & Clinically Oriented Assessment of the Subje	ct of Anat	omy, Phy	siology & Bio	ochemistry
	Domain		Pe	rcentage	
•	Core Knowledge (CK) of Anatomy/Physiology			(70%)	
	Biochemistry				
•	Integration			(30%)	
	Horizontal Integration (HI)			(05%)	
	○ Vertical Integration (VI)			(15%)	
	o Spiral Integration (SI)			(10%)	
Q.#	Construct your Answers according to the given	Domain	Marks	%	Level of
	Scenarios and Questions			Weightage	Cognition
	Short Answer Questions (SAQs) Total Marks	: 25 (Each	SAQ car	ries marks)	
	A 55 years Male, known case of Coronary Artery				
	Disease, presented				
	to	CK &			
		VI			
0.4.0.1	a	CIT		004	CO
SAQ 1		CK	2	8%	C2
	b				
		CK	2	12%	C2
	c				
		CK		8%	C2

d	CK	2	12%	C2
e. USMLE Question. References: Part a: Guyton & Hall 14 th Edition page # 114 Part b: Guyton & Hall 14 th Edition Page # 116	СК	1	8%	C2

Q.#	Construct your Answers according to the given Scenarios and Questions	Domain	Marks	% Weightage	Level of Cognition
	Short Essay Question (SEQs) T	Total Marks	: 45		
	A 55 years Male, known case of Coronary Artery Disease, presented to	CK & VI			
SEQ 1	a	HI with Anatomy	2	6.66%	C2
	b	СК	3	6.66%	C2
	c	СК	2	6.66%	C2
	d	СК	1	6.66%	C2
	e	CK	1	6.66%	C2

Rawalpindi Medical University Rawalpindi Department of Anatomy / Physiology / Biochemistry

-	isal Objective Structured Practical Examination (OSPE) Module 2025
	Year MBBS (Batch)
Day:	
Date:	
	10 AV OSPE Slides
	Time Allowed: 50 minutes
	05 minutes for each slide
Chairperson	Additional Director Assessment
Department of	Rawalpindi Medical University Rawalpindi

Director DME

Rawalpindi Medical University Rawalpindi

> **Vice Chancellor** Rawalpindi Medical University

Rawalpindi

Slide 1

Core Knowledge with Horizontal / Vertical / Spiral Integration

Topic:

Teaching Strategy:

Requirements: Answer sheet, Pen

Objective: _____



1.		(01
2.		(01
3.		(01
4.		(01
5.		(01
	Slide 1	
	Key for Examiner	
1.		
2.		
3.		
4.		

Department of Anatomy

Foundation Module - I (Structured Viva)

Date: 21-03-2023 Time: 8:00-2:00pm Roll no: 181 onwards

P: Punctuality, D: Dressing, C: Communication

Roll no.	Anatomicomedical terminologies (C1-C3) (05)	Osteology and arthrology (C1-C3) 20	Axioappendicular muscles and Axilla (C1-C3) (10)	Breast (C1-C3) (05)	Brachial plexus and injuries (05)	Surface marking (skill) (05)	Soft tissue spotting (skill) (05)	Gross sketch copy (skill) (02)	Professionalis m (PCD) (03)	Total marks (60)

Examiner	
Sign	
Stamp	

*Objective Structured Practical Examination (OSPE) will be held in end of block assessment.

Department of Physiology Foundation Module - I (Structured Viva)

MOD	ULE:	DATE:		TEACHER NAME: _			SIGNATURE	
Sr. No.	Roll No.	Students Name	Definition/ Enlist/Enumerate	Physiological/ Pathophysiological Mechanism	Related Diseases/ Diagnostic Parameters/ Management / Treatment Guidelines	Additional Domains of knowledge to be Assessed Family Medicine /Preventive Medicine Artificial Intelligence) Counseling Prevention Social Impact Psychosocial impact Community Implication	Professionalism & Behavior Components; • Appropriate dressing & white coat • College ID cardwith picture • Behavior • Level of Confidence/ Non verbal Body language • Communication Skills • Language of Communication • Volume of voice • Clarity & fluency of speech	Total marks obtained out of 25
			Q=1 C1 (5Marks)	Q=2 C2 (8 Marks)	Q=3 C3 (6 Marks)	Prevalence / algorithms C1/C2/C3 (2 Marks)	Understanding of questions Prioritizing the answers A3 (4 Marks)	
			A					

^{*}Objective Structured Practical Examination (OSPE) will be held in end of block assessment.

Department of Biochemistry Foundation Module - I (Structured Viva)

Date: Time: Teacher's Name

Roll No.	Classification/ Definition/ Enumerate (C1) (05 Marks)	Metabolic role/ Mechanism of action/ Physiological mechanism (C2) (08 Marks)	Related clinical disorders/ Pathogenesis (C3) (06 Marks)	Additional domains of Knowledge to be assessed Family Medicine, Artificial Intelligence, Ethics and Research (C1, C2, C3) (02 Marks)	Professionalism & Behavior (A3) (04 Marks)	Total marks (25)

^{*}Objective Structured Practical Examination (OSPE) will be held in end of block assessment.

Rawalpindi Medical University 1st Year MBBS Model MCQS (USMLE Format)

1.	A 45-year-old woman presents to the clinic with a palpable lump in her left breast. On physical examination, there is no skin erythema or dimpling, but there is noticeable enlargement of the axillary lymph nodes on the left side. A biopsy of the breast lump reveals invasive ductal carcinoma. The surgeon is concerned about the possible spread of cancer to the lymph nodes. Which of the following is the most likely primary route of lymphatic drainage for this patient's breast cancer?	
	A) Left subclavian lymph nodes B) Internal thoracic (mammary) lymph nodes	Anatomy
	C) Left axillary lymph nodes	
	D) Right axillary lymph nodes	
	E) Left supraclavicular lymph nodes	
2.	A 52-year-old male presents with muscle weakness, fatigue, and poor exercise tolerance. His laboratory results reveal elevated lactate levels, suggesting a mitochondrial dysfunction. The patient is diagnosed with a disorder affecting the mitochondrial respiratory chain. Which part of the mitochondria is primarily responsible for housing the enzymes involved in oxidative phosphorylation? A) Cristae	
	B) Mitochondrial matrix	Physiology
	C) Outer membrane	Thyslology
	D) Inner membrane	
	E) Outer chamber	
3.	A 25-year-old female with a history of genetic disorders presents with symptoms of muscle weakness and fatigue. Her genetic counselor explains that	
	a defect in protein synthesis could be contributing to her condition. The counselor explains that one of the RNA molecules plays a crucial role in	
	delivering amino acids to the ribosome for protein assembly. Which of the following is the primary function of transfer RNA (tRNA) in this process?	
	A) Transfers information from DNA to ribosomes	Biochemistry
	B) Transfers information from mRNA to cytosol	
	C) Transfers amino acids from cytosol to ribosomes	
	D) Transfers proteins from cytosol to ribosomes	
	E) Transfers proteins from ribosomes to the Golgi apparatus	
4.	A 60-year-old patient is diagnosed with a chronic condition and given several treatment options, each with varying degrees of risk and benefit. The	Spiral Courses
	patient carefully considers the options and decides to pursue a less invasive treatment, despite the doctor's recommendation for a more aggressive	
	approach. The doctor provides all the necessary information, ensuring the patient understands the potential outcomes and respects their decision.	
	A) Beneficence	Bioehtics
	B) Justice	
	C) Autonomy	
	D) Non-maleficence	
	E) Paternalism	

Rawalpindi Medical University 1st Year MBBS Model EMQ

1. A 35-year-old male presents to the emergency department following a fall onto an outstretched arm during a football match. He reports pain in the upper arm, and upon examination, he is unable to extend his wrist or fingers. There is localized tenderness and swelling over the mid-shaft of the humerus, and he has difficulty moving his arm. Upon further examination, he also has sensory loss on the dorsum of his hand. X-rays confirm a mid-shaft humeral fracture.

Match the options (A to H) with the statements (1 to 8) given below:

List of Options (A to H):

- A) Radial nerve
- B) Median nerve
- C) Ulnar nerve
- D) Axillary nerve
- E) Pain localized to the shoulder
- F) Wrist drops
- G) Loss of sensation over the dorsum of the hand
- H) Weakness in elbow flexion

Statements:

- 1. This nerve is most commonly injured in a mid-shaft humerus fracture and is responsible for causing wrist drop.
- 2. A common sign seen with this injury is localized pain and tenderness directly over the fracture site.
- 3. Injury to this nerve can result in difficulty extending the fingers and wrist, leading to the inability to fully extend the hand.
- 4. This nerve, when injured, can cause sensory loss over the dorsum of the hand and difficulty extending the wrist and fingers.
- 5. Injury to this nerve might result in a loss of sensation over the lateral aspect of the shoulder and difficulty abducting the arm.
- 6. This nerve injury may lead to weakness in elbow flexion and loss of sensation in the anterior forearm.
- 7. Loss of sensation in the medial side of the hand and inability to flex the fingers are indicative of injury to this nerve.
- 8. This nerve is not typically injured in a mid-shaft humerus fracture but can cause weakness in shoulder abduction when injured in other upper arm fractures.

Answer Key:

- A) Radial nerve
- E) Pain over the fracture site
- F) Wrist drops
- G) Loss of sensation over the dorsum of the hand
- D) Axillary nerve
- B) Median nerve
- C) Ulnar nerve
- D) Axillary nerve

Rawalpindi Medical University 1st Year MBBS Model SEQs & SAQs (USMLE Format)

1. A female patient of 42 years of age presented to hospital with painless swelling of left breast along that was firm and adherent to chest wall. On examination,	
oedematous skin was also present around the swelling	
a. What is the most likely diagnosis for a painless, firm, and adherent swelling in the breast with oedematous skin? (1)	
b. What is the clinical sign that describes the oedematous skin around the breast swelling, commonly seen in inflammatory breast cancer? (1)	
c. At what age is a woman most likely to present with breast cancer, as seen in this 42-year-old patient? (1)	Anatomy
d. What is the significance of the swelling being adherent to the chest wall in the context of breast cancer? (1)	
e. Which condition should be ruled out when a patient presents with painless breast swelling and skin oedema? (1)	
2. A 40 years old male presented in medical emergency with complaints of severe headache, confusions and fatigue. On examination his blood pressure was	
180/110?	
a. What is the most likely diagnosis for a 40-year-old male presenting with severe headache, confusion, fatigue, and high blood pressure (180/110)?	
b. What is the significance of the blood pressure reading of 180/110 in this patient?	
c. Which condition should be considered in a patient with severe headache and confusion, especially with elevated blood pressure?	Physiology
d. What is the potential risk associated with untreated blood pressure of 180/110?	
e. What is the first-line management for a patient presenting with hypertensive emergency, as suggested by this scenario?	
3. A biochemist studies an enzyme breaking down a carbohydrate. The enzyme stabilizes the transition state, forms a covalent bond with the substrate,	
requires metal ions, and facilitates proton transfer during the reaction.	
a. Which mechanism involves stabilizing the transition state more than the substrate?	D: 1 :
b. What does covalent catalysis entail in enzyme reactions?	Biochemistry
c. How do metal ions aid in the enzyme's catalytic activity?	
d. Why is proton transfer important in enzyme catalysis?	
e. What mechanism helps the enzyme facilitate the breakdown of the carbohydrate through proton transfer?	

Rawalpindi Medical University 1st Year MBBS Model AV OSPE

Slide 1 / Video

Core Knowledge with Horizontal / Vertical / Spiral Integration

Topic: Erbs Palsy

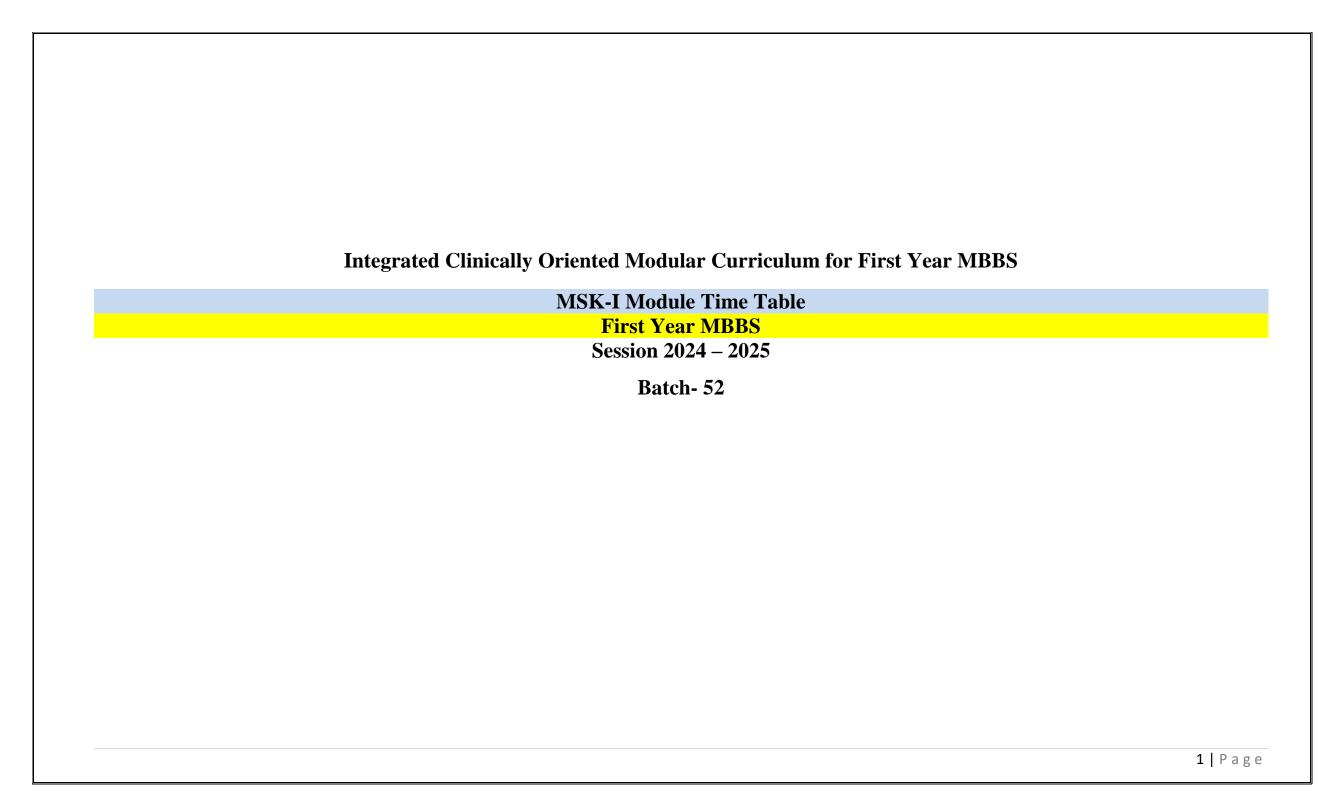
Teaching Strategy: Small Group Discussion

Requirements: Answer sheet, Pen

Objective: To Asses the Knowledge of Students Regaring Nerves Injuries in Upper Limb



1.	Name the clinical condition shown in video / slide?	(0)
2.	What is the primary cause of this clinical condition?	(0)
3.	Which muscles are most commonly affected?	(0)
4.	Which clinical sign is often associated with this condition in newborns?	(0)
5.	What is the characteristic posture?	(0)



MSK - I Module Team

Module Name : MSK - I Module

Duration of module : 05 Weeks

Coordinator : Dr. Summiya Bashir

Co-coordinator : Dr. Ali Raza

Reviewed by : Module Committee

	Module Committee			Module Task Force Team			
1. V	/ice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Summiya Bashir (Assistant Professor of Anatomy)		
2. D	Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima		
3. C	Convener Curriculum	Prof. Dr. Naeem Akhter	3.	Co-coordinator	Dr. Ali Raza (Senior Demonstrator of Anatomy)		
I I	Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	4.	Co-Coordinator	Dr. Fahd Anwar (Demonstrator of Physiology)		
	Additional Director (Assessment) OME	Dr. Arsalan Manzoor Mughal	5.	Co-coordinator	Dr. Romessa Naeem (Demonstrator of Biochemistry)		
6. C	Chairperson Physiology	Prof. Dr. Samia Sarwar					
7. C	Chairperson Biochemistry	Dr. Aneela Jamil	DME Implementation Team				
			1.	Director DME	Prof. Dr. Ifra Saeed		
8. Fe	Focal Person Anatomy First Year	Asso. Prof. Dr. Mohtashim	2.	Implementation Incharge 1st & 2 nd	Dr. Arsalan Manzoor Mughal		
M	MBBS	Hina		Year MBBS	Dr. Farzana Fatima		
9. F	Focal Person Physiology	Dr. Sidra Hamid	3.	Assistant Director DME	Dr. Farzana Fatima		
10. Fe	Focal Person Biochemistry	Dr. Aneela Jamil	4.	Editor	Muhammad Arslan Aslam		
11. F	Focal Person Pharmacology	Dr. Zunera Hakim					
12. Fe	Focal Person Pathology	Dr. Asiya Niazi					
13. F	Focal Person Behavioral Sciences	Dr. Saadia Yasir					
14. Fe	Focal Person Community Medicine	Dr. Afifa Kulsoom					
15. Fe	Focal Person Quran Translation	Dr. Uzma Zafar					
L	ectures						
16. F	Focal Person Family Medicine	Dr. Sadia Khan					

Discipline Wise Details of Modular Content

	Integration									
			Themes	}						
Block	Module	General Anatomy	Embryology	Histology	Gross Anatomy					
	• Anatomy	Skeletal System Bones Joints	General Embryology Second Week of Human Development till Placenta & Fetal Membranes	General HistologyConnective TissueCartilageBone	Shoulder joint till Hand					
	Biochemistry	Minerals, Vitamins	(A, D, E, ascorbic acid, thiamin	and niacin), Introduction	n & Classification of Amino Acids					
	 NMJ, Introduction Concept of Motor Unit. Neuromuscular Transmission, Synthesis & Fate of Acetylcholine Drugs Acting On NMJ, Myasthenia Gravis, Lambart Eaton Syndrome Structure of Neurons. Classification of Neurons & Nerve Fibers Nernst Potential, RMP Recording & Propagation of Action Potential & Factors Effecting Nerve Conduction & Hyperpolarized State Stimulus & Response & Types of Stimuli, Stages of Action Potential 									
	Spiral Courses									
I	• Research Club Activity (1 – 4)	 Synopsis Writing Questionnaire Development Hands on session on Data Analysis Manuscript Writing Workshop 								
	Family Medicine	•	ent with Body aches							
	Behavioral Sciences	 Healthcare models and their clinical application Relevance of ethics in life of a doctor 								
			Vertical Integration							
	Surgery/ Ortho	Shoulder DislocatiTennis elbow, Frac								
	Community Medicine	Musculoskeletal DPrevention of Acci	isorders	, V						
	Medicine	 Osteoporosis Osteomalacia, Rickets & Polyarthritis 								
	Pharmacology	 Osteomatacia, Rickets & Forgattinus Drugs Acting On Neuromuscular Junction Tennis elbow, fracture of olecranon, radius and ulna 								
	Obstetrics & Gynecology	·	al Skull & Mechanism of Labor							

Categorization of Modular Content of Anatomy:

Category A*	Category I	3 **	Category C				
General Embryology	General Histology	General Anatomy	Demonstrations / SGD	CBL	Practical's	SDL	SSDL
 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 Cartilage Bones 	Bone I Bone II Joint I Joint II	 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 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 	 Histology of connective Tissue I Connective e tissue II Cartilage Bone 	 Shoulder Dislocation Biceps Tendinitis, Popeye's Arm Wrist Drop Fracture of Ulna Colle's Fracture/ Smith's Fracture Golfer's Elbow Tennis Elbow Cubital Tunnel Syndrome Elbow Dislocation Proximal and distal radioulnar dislocation Avascular Necrosis of Scaphoid Bone Wrist dislocation Vascular insufficiency at wrist joint Carpal Tunnel Dupuytren's Contracture Hand infections 	 Proximal & distal radioulna r 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 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	02
3.	Assistant professor of Anatomy department (AP)	02
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 * 19= 38 hours
2.	Small Group Discussions (SGD)	1 * 2 + 2*12=26 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 * 19 = 19 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	PBL	CBL	Practical's	SGD	SDL
NMJ, Introduction concept of motor unit. Neuromuscular transmission, synthesis & fateo facety lcholine (Prof. Dr. Samia Sarwar /Dr Aneela)	Structure of neurons. 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	 Structure of neurons. Classification of neurons & nerve fibers Nernst potential, RMP Properties of nerve fibers Measuret of RMP & effect of electrolytes on RMP 5. Concept of degeneration &
Drugsactingon NMJ, Myasthenia Gravis, Lambart Eaton Syndrome (Prof. Dr. Samia Sarwar / Dr Aneela)	Nernst potential, RMP (By Dr Shazia)					regeneration 6. Stimulus & response & types of stimuli, Stages of action potential 7.A Refractory period, types of action potential. Graded
	Properties of nerve fibers (By Dr Sheena)					potential comparison
	Measurement of RMP& effect of electrolytes on RMP (By Dr. Shazia)					with action potential B. Recording & propagation of action potential & factors
	Concept of degeneration & re generation (By Dr Kamil)					effecting nerve conduction & hyperpolarized state SDL:(On Campus) 1. Nernst potential, RMP
	Stimulus & response & types of stimuli, Stages of action potential (By Dr Fareed)					Action Potential

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 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	$18x \ 2 \text{ hours} = 36 \text{hours} + 2 \text{ hours} (4 \text{th week}) = 38 \text{ hours}$
5.	Self-Directed Learning (SDL)	7x 1hour= 7 hours (Off Campus) 4x 1hour= 4hours (On Campus) (Third week)

Categorization of Modular Content 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 Vitamin C Niacin & Thiamine Magnesium, Sulphur, Fluoride		Night BlindnessRickets	 7 Colour Tests for Proteins Serum Calcium & Ascorbic Acid 	Introduction & Classification of Vitamins. Vitamin E •Minerals
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 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) (14-04-2025 To 19-04-2025)

						(17-07-	-2023 10 19-04-2023	,				
Day & Date	8:00am –	09:00am	09:00a	m – 10:00am	10:00am – 10:20am	1	10:20am-11:20am	11:20ar	n-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
	BIOCHEMIS'	TRY (LGIS)	PHARM	MACOLOGY		A	NATOMY (LGIS)	PHYSIOI	OGY(LGIS)			
	Mineral introduction	Definition and classification		A -4: O		Embryology	Histology	Structure of neurons Classification of	Namet Detential 8		Practical & Tutorial	SDL Physiology Structure of
14-04-2025 Monday	classification/ calcium & Phosphate classification of vitamins vitamin A & E		Drugs Acting On Neuromuscular Junction			2nd Week of Development	Connective tissue (CT) – I (Cells of CT)	neurons and nerve fibers	Nernst Potential & RMP		Venue & topic mentioned at the end (Referred to table no. 1)	Neurons & Classification of
	Dr. Aneela / Dr. Uzma (Even)	Dr. Almas (Odd)	Dt. Uzma Umer (Even)	Dr. Saba Sarfaraz (Odd)		Prof. Dr. Ayesha/A Prof. Dr. Arsalan (E		Dr. Sheena (Even)	Dr. Shazia (Odd)		(Referred to table no. 1)	Neurons
		CB	L			RESEAR	RCH CLUB ACTIVITY 1	PHYSIOLOGY (LGIS)		i		
15-04-2025 Tuesday		Shoulder D				Synopsis Writing		Nernst Potential & RMP	Structure of neurons Classification of neurons and nerve fibers		Practical & Tutorial Venue & topic mentioned at the end (Referred to table no. 1)	SDL Physiology Nernst Potential & RMP
				a k	Dr. Rizwana Shal (Even)	Dr. Farah Pervaiz (Odd)	Dr. Shazia (Even)	Dr. Sheena (Odd)	a k			
		SGD/ DISS	ECTION		e	A	NATOMY (LGIS)		AL SCIENCES	မ	D .: 10 T .: 1	
16-04-2025					r	Histology	Embryology		nodels and their	-	Practical & Tutorial Venue & topic mentioned	CDI
Wednesday	Flexor comp	partment & Neurov	ascular organizat	ion of arm	В	Connective tissue (Cells of CT)	e-I 2nd Week of Human Development	clinical	application	B	at the end (Referred to table no. 1)	SDL Biochemistry Hypercalcemia
						Asso. Prof. Dr. Mohtasham (Eve	•	Dr. Azeem Rao (Odd	Dr. Azeem Rao (Odd) Dr. Sadia Yasir (Even)		(Referred to table no. 1)	Пурегсансенна
		CB	L				NATOMY (LGIS)	PHYSIOL	OGY (LGIS)	i		
	Extensor compartment & Neurovascular organization of arm (Wrist Drop)				General Anatomy	Histology	Properties of nerve	Measurement &		Practical & Tutorial Venue & topic mentioned	SDL	
17-04-2025 Thursday					Bone-I (General Features)	Connective tissue-II (Extracellular Matrix & Types of CT)	Fibers	effect of electrolytes on RMP		at the end (Referred to table no. 1)	Biochemistry Hypocalcemia	
						Assit. Prof. Dr. Sumyyia (Even)	Asso. Prof. Dr. Mohtasham (Odd)	Dr. Fahd Anwar (Ever	, , ,			
Day & Date	8:00am – 09:			- 10:00am			– 11:00am		- 12:00pm			
	MEDICIN			STRY (LGIS)			MY (LGIS)	FAMILY	MEDICINE			
18-04-2025 Friday	lay Vitamin A, calcium &			Histology Embry Connective Tissue – II tracellular Matrix & Types of CT) 3 rd week of G (Gastre			Breaking Down Barriers: Effective Pain Management Strategies in Family Medicine		SDL Anatomy Shoulder Dislocation			
	Dr Saima (Even)	Dr Javeria (Odd)	Vitamin E Dr. Almas (Even)	Phosphate Dr. Aneela / Dr. Uzma (Odd)	Asso. Prof	. Dr. Mohtasham (Eve	n) Prof. Dr. Ayesha/Asso. Prof Dr. Arsalan (Odd)	Dr Sana Latif (Even)	Dr. Sidra Hamid (Odd)			
Day & Date	8:00am – 09:		1	- 10:00am	10:00am – 10:20am	1	10:20am-11:20am	11:20ar	n-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
		SGD/ DISS	ECTION		10 - 20aiii	A	NATOMY (LGIS)	PHYSIOI	OGY(LGIS)	12.50pm		8
		Dissection & Spotting			a k	Embryology 3 rd week of develope	General Anatomy	Measurement & effec	t Properties of nerve	a k	Practical & Tutorial Venue & topic mentioned at the end	SDL Anatomy Biceps
19-04-2025 Saturday					re	(Gastrulation)	(General Features)	of electrolytes on RM	P Fibers	re		
	Dissection & Spotting			В	Prof. Dr. Ayesha/A Prof. Dr. Arsala (Even)		Dr. Shazia (Even)	Dr. Fahd Anwar (Odd)	Bı	(Referred to table no. 1)	Tendinitis, Popeye's Arm	

					Table N	lo. 1 (T	ime: 12:3	0pm – (02:00pm)								
Ba	tch I	Distribut	ion for Practical	Topics for Skill Lab with Venue				Τ.		edul	e for Pra	ctical					
Sk	ills (all subje	ects)	Connective Tissue I (Anatomy	Day	His	tology	Biochemistry Practical			Physiology Practical			Physiology		Biochemistry SGD	
			roup Discussion			Pra	ectical							S	SGD		
(Bi	och	emistry a	and Physiology)	Histology Laboratory-Dr Kashif		Batch	Teacher	Batch	Teacher		Batch	Teacher		Batch	Teacher	Batch	Teacher Name
				• Biuret, Ninhydrin Test			Name		Name	Q		Name	HOH		Name		
Sr.	No	Batch	Roll No.	(Biochemistry Practical) Venue-	Monday	C	Q	В	Dr. Rahat	НОД	E	Dr. Ali /Dr.) J	A	Dr.	D	Dr. Uzma Zafar
				Biochemistry Laboratory			НОБ					Afsheen	d l		Sheena		
1		A	01-70	• Determination of Hemoglobin	Tuesday	D	y I	C	Dr. Sana Latif		A	Dr. Sheena	ise	В	Dr. Uzma	\mathbf{E}	Dr. Rahat
2		В	71-140	concentration (Physiology-	Wednesday	\mathbf{E}	q p	D	Dr. Uzma	ise	В	Dr. Uzma	erv	C	Dr. Farah	A	Dr. Almas
3		C	141-210	Practical)	Thursday	В	ise	A	Dr. Almas	erv	D	Dr. Nazia	dn	E	Dr. Ali/Dr.	C	Dr. Sana Latif
				,			λΙκ			uper			∞		Afsheen		
4		D	211-280		Saturday	A	ədn	\mathbf{E}	Dr. Romessa	S	C	Dr. Farah		D	Dr. Nazia	В	Dr. Romessa
5		${f E}$	281-onwards				Sı										

Topics for SGDs / CBL with Venue

- Physiology SGD: Nernst potential (Physiology Lecture Hall 05)
- Biochemistry SGD: Introduction and Classification of Vitamins &Vitamin E (Venue: Lecture Hall No 2)
- Anatomy CBL: Shoulder Dislocation, Wrist drop

			Table No. 2 F	Batch Distribution with Venues and 	Feacher	s Name f	or Problem Ba	sed 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	6.	C2	(176-210)	New Lecture Hall Complex	Dr. Nabiha (PGT Physiology)
			Physiology	(Senior Demonstrator Biochemistry)				Lecture Theater # 03	
2.	A2	(36-70)	Lecture Hall #.04 (1st	Dr. Maaria	7.	D1	(210-245)	New Lecture Hall Complex	Dr. Jawad (Demonstrator
			FloorAnatomy)	(PGT Physiology)				Lecture Theater # 02	Physiology)
3.	B1	(71-105)	Anatomy Museum (First	Dr. Nayab Ramzan	8.	D2	(246-280)	New Lecture Hall Complex	Dr. Kashif Ashraf
			Floor Anatomy)	(APWMO Biochemistry)				Lecture Theater # 02	(Demonstrator Anatomy)
4.	B2	(106-140)	Lecture Hall no.03 (First	Dr. Zeneara Saqib (Senior	9.	E1	(281-315)	Anatomy Museum (First Floor	Dr. Uzma Zafar
			Floor)	Demonstrator of Anatomy)				Anatomy)	(APWMO Biochemistry)
5.	C1	$(141 - \overline{175})$	Anatomy Museum (First	Dr. Farhat	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Najam
			FloorAnatomy)	(PGT Physiology)					(PGT Physiology)

Table No. 3 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

A 01-	Roll No 01- 70 71-140	Subgroup A1: Roll No (1 – 17) A2: Roll No (18 – 34) A3: Roll No (35 – 51) A4: Roll No (52 – 70) B1: Roll No (71 – 87)	Anatomy Teacher Dr. Ali Raza (Senior. Demonstrator)	Anatomy Lecture Hall 03	Batches A	Roll No 01-70	Subgroup A1: Roll No (1 – 14) A2: Roll No (15 – 28)	Physiology Teacher Dr. Sheena	Physiology Venue Physiology	Biochemistry Teacher Dr. Uzma Zafar	Biochemistry Venue
B 71-		A2: Roll No (18 – 34) A3: Roll No (35 – 51) A4: Roll No (52 – 70)	(Senior.	Lecture Hall	A	01-70	· · · · · · · · · · · · · · · · · · ·		Physiology	Dr. Hama Zafan	_
	1-140	B1: Roll No (71 – 87)					A2: Roll No (13 – 26) A3: Roll No (29 – 42) A4: Roll No (43 – 56) A5: Roll No (57 – 70)	Tariq (APWMO)	Lecture Hall 5	Dr. Uzma Zafar (APWMO)	Basement Lecture Hall No. 2
C 141		B2: Roll No (88 – 104) B3: Roll No (105 – 121) B4: Roll No (122 – 140)	Dr. Sajjad Hussain (Senior. Demonstrator)	Anatomy Lecture Hall 04	В	71-140	B1: Roll No (71 – 84) B2: Roll No (85 – 98) B3: Roll No (99 – 112) B4: Roll No (113 – 126) B5: Roll No (127 – 140)	Dr. Uzma Kiyani (Senior Demonstrator)	Physiology Lecture Hall 5	Dr. Rahat (APWMO)	Basement Lecture Hall No. 2
	41-210	C1: Roll No (141 – 157) C2: Roll No (158 – 174) C3: Roll No (175 – 191) C4: Roll No (192 – 210)	Dr. Tayyaba Qureshi (Assistant Professor)	New Lecture Hall Complex 02	С	141-210	C1: Roll No (141 – 154) C2: Roll No (155 – 168) C3: Roll No (169 – 182) C4: Roll No (183 – 196) C5: Roll No (197 – 210)	Dr. Farah Shah (Demonstrator)	Physiology Lecture Hall 5	Dr. Almas (APWMO)	Basement Lecture Hall No. 2
D 211	211- 280	D1: Roll No (211 – 227) D2: Roll No (228 - 244) D3: Roll No (245 – 261) D4: Roll No (262 – 280)	Dr. Sumyyia Bashir (Assistant Professor)	New Lecture Hall Complex 3	D	211-280	D1: Roll No (211 – 224) D2: Roll No (225 – 238) D3: Roll No (239 – 252) D4: Roll No (253 – 266) D5: Roll No (267 – 280)	Dr. Nazia (Demonstrator)	Physiology Lecture Hall 5	Dr. Sana Latif (Senior Demonstrator)	Basement Lecture Hall No. 2
	281- onwards	E1: Roll No (281 – 297) E2: Roll No (298 – 314) E3: Roll No (315 – 331) E4: Roll No (332 – onwards) Supervised by Prof. Dr. Ayesl	Dr. Zeneara Saqib (Demonstrator)	New Lecture Hall Complex 01 / Anatomy Museum	E	281- onwards	E1: Roll No (281 – 294) E2: Roll No (295 – 308) E3: Roll No (309 – 322) E4: Roll No (323 – 336) E5: Roll No (337 – onwards) Supervised by Prof. Dr. S	Dr. Ali Zain / Dr. Afsheen (P. G Trainee)	Physiology Lecture Hall 5	Dr. Romessa (Demonstrator)	Basement Lecture Hall No. 2

Time Table for Musculoskeletal-I Module Second Week (21-04-2025 to 26-04-2025)

				(21-04-2023	10 20-04-2023)				
Date/ Day	8:00am – 10:00am	10:00am – 10:20am	10:20an	n-11:20am	11:20am	-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
	SGD / DISSECTION		ANATO	MY (LGIS)	RESEARCH CL	UB ACTIVITY 2			
21-04-2025	Bones of forearm		General Anatomy Bone-II (Classification & Blood	Embryology 3 rd week (Notochord formation & Differentiation		Development		Practical & Tutorial Venue & topic mentioned at the end	SDL Physiology Resting Membrane
Monday	(Ulna & Radius) Batches, Teachers & Venue		Supply) Assit. Prof. Dr. Sumyyia	of Somites) Prof. Dr. Ayesha/Asso.	Dr. Farah Pervaiz	Dr. Abdul Qudoos	_	(Referred to table no. 1)	Potential Potential
	2 0 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		(Even)	Prof. Dr. Arsalan (Odd)	(Odd)	(Even)			
	SGD / DISSECTION			MY (LGIS)	PHYSIOLO	DGY(LGIS)			
22-04-2025 Tuesday	Flexor compartment & Neurovascular organization of forearm Batches, Teachers & Venue	a k	Embryology 3 rd week (Notochord formation & Differentiation of Somites)	General Anatomy Bone-II (Classification & Blood Supply)	Concept of Degeneration and regeneration	Stimulus & Response &Type of stimuli. Stages of action potential	a k	Practical & Tutorial Venue & topic mentioned at the end (Referred to table no. 1)	SDL Physiology Action Potential
		မ	Prof. Dr. Ayesha/Asso.	Assit. Prof. Dr. Sumyyia	Dr. Fahd (Even)	Dr. Fareed (Odd)	e		
	GOD / DIGGEOTION	4	Prof. Dr. Arsalan (Even)	Odd) MY (LGIS)	PHYSIOLO	` ′	4		
	SGD / DISSECTION	e		· '		JGY(LGIS)	—		
23-04-2025 Wednesday	Extensor compartment & Neurovascular organization of		Histology Connective Tissue-III (Types of CT)	Embryology 3 rd week (Neurulation)	Stimulus & Response &Type of stimuli. Stages of action potential	Concept of Degeneration and regeneration		Practical & Tutorial Venue & topic mentioned at the end (Referred to table no. 1)	SDL Biochemistry Wilson's Disease
	forearm		Ass. Prof. Dr. Mohtasham (Even)	Prof. Dr. Ayesha/Asso. Prof. Dr. Arsalan (Odd)	Dr. Fareed (Even)	Dr. Fahd (Odd)		(Referred to table no. 1)	
	SGD / DISSECTION		ANATO	MY (LGIS)		STRY LGIS			SDL Biochemistry
24-04-2025 Thursday	Elbow joint Batches, Teachers & Venue		Embryology 3 rd week (Neurulation)	Histology Connective Tissue-III (Types of CT)	Fluoride, Magnesium & Sulphur Copper, Zinc, Selenium, Iodine, Manganese	Vitamin D		Practical & Tutorial Venue & topic mentioned at the end (Referred to table no. 1)	Clinical Role of Fluoride, Magnesiun & Sulphur, Zinc, Selenium, Iodine,
			Prof. Dr. Ayesha/Asso. Prof. Dr. Arsalan (Even)	Ass. Prof. Dr. Mohtasham (Odd)	Dr. Uzma (Even)	Dr. Aneela (Odd)			Manganese
Date/ Day	8:00am – 10:00am		10:00am – 11:00	\ /	(Even) 11:00am -	` /			
Date/ Day	BEHAVIORAL SCIENCES		ANATOMY (LO			SSION – I)			
			Embryology	Histology	I BE I (SE	55101(-1)		SDL Anatomy	
25-04-2025 Friday	Relevance of ethics in life of a doctor	de	k of development & Early velopment of CVS	Cartilage	PBL	Team		Colle's Fracture/ Smith's Fracture	e
	Dr. Mehboob Ali Dr. Zona Shah (Odd) Tahir (Even)	Prof. Dr. Aye	sha/Asso. Prof. Dr. Arsalan (Even)	Asso. Prof. Dr. Mohtasham (Odd)					
Date/ Day	8:00am – 10:00am	10:00am – 10:20am		n-11:20am	11:20am	-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
	SGD/ DISSECTION		ANATO	MY (LGIS)	PHYSIOLO	OGY (LGIS)	,		
26-04-2025 Saturday	Proximal & Distal Radioulnar joints	Break	Histology Cartilage	Embryology 4th-8th 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	Break	Practical & Tutorial Venue & topic mentioned at the end (Referred to table no. 1)	SDL Anatomy Golfer's Elbow & Tennis Elbow Online SDL
			Asso. Prof. Dr. Mohtasham (Even)	Prof. Dr. Ayesha/Asso. Prof. Dr. Arsalan (Odd)	Dr. Fareed (Even)	Dr Shazia (Odd)			Evaluation)

				Table l	No. 1 (T	ime: 12:3	0pm –	02:00pm)								
Batch	Distribut	ion for Practical	Topics for Skill Lab with Venue					Sch	nedu]	le for Pra	ctical					
Skills	(all subje	ects)	Connective Tissue II (Anatomy	Day	His	tology	Bioc	hemistry Practi	ical	Physiolo	gy Practical		Phy	siology	Bioch	nemistry SGD
					Pra	ctical								SGD		
		Histology Laboratory-Dr Kashif	Batch Teacher Bat		Batch	Teacher		Batch	Teacher	Q	Batch	Teacher	Batch	Teacher Name		
			• Xanthoproteic Test, Millon's Test			Name		Name	Q		Name	HOD		Name		
Sr. No	Batch	Roll No.	(Biochemistry Practical) Venue-	Monday	C	Ω	В	Dr. Rahat	НОД	E	Dr. Ali /Dr.	Jy J	A	Dr.	D	Dr. Uzma
			Biochemistry Laboratory			НО			\geq		Afsheen	d b		Sheena		Zafar
1.	A	01-70	Determination of Hematocrit	Tuesday	D	y I	C	Dr. Sana Latif	d b	A	Dr. Sheena	ise	В	Dr. Uzma	E	Dr. Rahat
2.	В	71-140	(HCT)(Physiology-Practical)	Wednesday	\mathbf{E}	d b	D	Dr. Uzma	vise	В	Dr. Uzma	erv	C	Dr. Farah	A	Dr. Almas
3.	C	141-210		Thursday	В	rvise	A	Dr. Almas	uperv	D	Dr. Nazia	Sup	E	Dr. Ali/Dr. Afsheen	C	Dr. Sana Latif
4.	D	211-280		Saturday	A	nbei	Е	Dr. Romessa	Su	С	Dr. Farah		D	Dr. Nazia	В	Dr. Romessa
5.	E	281-onwards				$\bar{\mathbf{S}}$										

Topics for SGDs / CBL with Venue

- Physiology CBL: Paresthesia's paresis (Physiology Lecture Hall 05)
 Biochemistry CBL: Night Blindness (Venue: Lecture Hall No 2)

			Table No. 2 Bat	ch Distribution with Venues a	nd Teach	ers Nam	e for Problem Ba	ased 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	6.	C2	(176-210)	New Lecture Hall Complex	Dr. Nabiha (PGT Physiology)
			Physiology	(Senior Demonstrator				Lecture Theater # 03	
				Biochemistry)					
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Maaria	7.	D1	(210-245)	New Lecture Hall Complex	Dr. Jawad (Demonstrator Physiology)
			Anatomy)	(PGT Physiology)				Lecture Theater # 02	
3.	B1	(71-105)	Anatomy Museum (First	Dr. Nayab Ramzan	8.	D2	(246-280)	New Lecture Hall Complex	Dr. Kashif Ashraf
			Floor Anatomy)	(APWMO Biochemistry)				Lecture Theater # 02	(Demonstrator Anatomy)
4.	B2	(106-140)	Lecture Hall no.03 (First	Dr. Zeneara Saqib (Senior	9.	E 1	(281-315)	Anatomy Museum (First Floor	Dr. Uzma Zafar
			Floor)	Demonstrator of Anatomy)				Anatomy)	(APWMO Biochemistry)
5.	C1	(141-175)	Anatomy Museum (First	Dr. Farhat	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Najam
			FloorAnatomy)	(PGT Physiology)					(PGT Physiology)

Table No. 3 Venues	s 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

A 01-	Roll No 01- 70 71-140	Subgroup A1: Roll No (1 – 17) A2: Roll No (18 – 34) A3: Roll No (35 – 51) A4: Roll No (52 – 70) B1: Roll No (71 – 87)	Anatomy Teacher Dr. Ali Raza (Senior. Demonstrator)	Anatomy Lecture Hall 03	Batches A	Roll No 01-70	Subgroup A1: Roll No (1 – 14) A2: Roll No (15 – 28)	Physiology Teacher Dr. Sheena	Physiology Venue Physiology	Biochemistry Teacher Dr. Uzma Zafar	Biochemistry Venue
B 71-		A2: Roll No (18 – 34) A3: Roll No (35 – 51) A4: Roll No (52 – 70)	(Senior.	Lecture Hall	A	01-70	· · · · · · · · · · · · · · · · · · ·		Physiology	Dr. Hama Zafan	_
	1-140	B1: Roll No (71 – 87)					A2: Roll No (13 – 26) A3: Roll No (29 – 42) A4: Roll No (43 – 56) A5: Roll No (57 – 70)	Tariq (APWMO)	Lecture Hall 5	Dr. Uzma Zafar (APWMO)	Basement Lecture Hall No. 2
C 141		B2: Roll No (88 – 104) B3: Roll No (105 – 121) B4: Roll No (122 – 140)	Dr. Sajjad Hussain (Senior. Demonstrator)	Anatomy Lecture Hall 04	В	71-140	B1: Roll No (71 – 84) B2: Roll No (85 – 98) B3: Roll No (99 – 112) B4: Roll No (113 – 126) B5: Roll No (127 – 140)	Dr. Uzma Kiyani (Senior Demonstrator)	Physiology Lecture Hall 5	Dr. Rahat (APWMO)	Basement Lecture Hall No. 2
	41-210	C1: Roll No (141 – 157) C2: Roll No (158 – 174) C3: Roll No (175 – 191) C4: Roll No (192 – 210)	Dr. Tayyaba Qureshi (Assistant Professor)	New Lecture Hall Complex 02	С	141-210	C1: Roll No (141 – 154) C2: Roll No (155 – 168) C3: Roll No (169 – 182) C4: Roll No (183 – 196) C5: Roll No (197 – 210)	Dr. Farah Shah (Demonstrator)	Physiology Lecture Hall 5	Dr. Almas (APWMO)	Basement Lecture Hall No. 2
D 211	211- 280	D1: Roll No (211 – 227) D2: Roll No (228 - 244) D3: Roll No (245 – 261) D4: Roll No (262 – 280)	Dr. Sumyyia Bashir (Assistant Professor)	New Lecture Hall Complex 3	D	211-280	D1: Roll No (211 – 224) D2: Roll No (225 – 238) D3: Roll No (239 – 252) D4: Roll No (253 – 266) D5: Roll No (267 – 280)	Dr. Nazia (Demonstrator)	Physiology Lecture Hall 5	Dr. Sana Latif (Senior Demonstrator)	Basement Lecture Hall No. 2
	281- onwards	E1: Roll No (281 – 297) E2: Roll No (298 – 314) E3: Roll No (315 – 331) E4: Roll No (332 – onwards) Supervised by Prof. Dr. Ayesl	Dr. Zeneara Saqib (Demonstrator)	New Lecture Hall Complex 01 / Anatomy Museum	E	281- onwards	E1: Roll No (281 – 294) E2: Roll No (295 – 308) E3: Roll No (309 – 322) E4: Roll No (323 – 336) E5: Roll No (337 – onwards) Supervised by Prof. Dr. S	Dr. Ali Zain / Dr. Afsheen (P. G Trainee)	Physiology Lecture Hall 5	Dr. Romessa (Demonstrator)	Basement Lecture Hall No. 2

Student Sports Week	28 th April – 03 rd May 2025
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Time Table for Musculoskeletal-I Module Third Week (05-05-2025 to 10-05-2025)

Day & Date	8:00am –	09:00am	09:00am – 10:00am	10:00am – 10:20am	10:20am	1-11:20am	11:20am-	-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment	
	RESEARCH CLU	UB ACTIVITY 3	PBL 1 (SESSION-II)		ANATON	MY (LGIS)	PHYSIOLO	OGY (LGIS)	1			
			,		Histology	Embryology	Refractory period, types of	NMJ, Introduction concept of			SDL Physiology	
	3.6	*** 1 1			- ·		action potential. Graded	motor unit. Neuro muscular		Practical & Tutorial	Concept of	
05-05-2025	Manuscript Wri	ting Workshop	DDI T		Bone I	Folding of Embryo	potential comparison with	transmission, synthesis & fate		Venue & topic mentioned at the end	Degeneration and	
Monday			PBL Team		(Cells & types)		action potential	of acetylcholine		(Referred to table no. 1)	regeneration	
	Dr. Farah Pervaiz (Even)	Dr. Rizwana Shahid (Odd)			Asso. Prof. Dr. Mohtasham (Even)	Prof. Dr. Ayesha/Asso. Prof. Dr. Arsalan (Odd)	Dr Shazia (Even)	Prof. Dr. Samia Sarwar/ Dr Aneela (Odd)		(Referred to table no. 1)		
	PHARMA				ANATON	MY (LGIS)	PHYSIOLO					
					Embryology	Histology	NMJ, Introduction concept of	Recording & propagation of	1	Practical & Tutorial	CDIDI : 1	
06-05-2025 Tuesday	Drugs u Myasthen	ia Gravis	Physical Activity	ķ	Folding of Embryo	Bone I (Cells & types)	motor unit. Neuro muscular transmission, synthesis & fate of acetylcholine	action potential & factors effecting nerve conduction & Hyperpolarized state	. ≭	Venue & topic mentioned at the end (Referred to table no. 1)	SDL Physiology Nernst Potential & RMP & Action Potential	
	Dr. Zoefishan (Even)	Dr. Arsheen Arshad (Odd)		e a]	Prof. Dr. Ayesha/Asso. Prof. Dr. Arsalan (Even)	Asso. Prof. Dr. Mohtasham (Odd)	Prof. Dr. Samia Sarwar/ Dr Aneela (Even)	Dr. Fareed (Odd)	e a	(referred to table no. 1)	1 otentiai	
	SGD/ DISS	SECTION	JOINT SESSION	រ	ANATON	MY (LGIS)	COMMUNIT	Y MEDICINE	ı			
				В	Embryology	Histology			2	Practical & Tutorial		
07-05-2025	Dissection	& Spotting	Poliomyelitis		Fetal period	Bone II (Ossification)	Musculoskele	etal Disorders		Venue & topic mentioned at the end	SDL Biochemistry Rickets	
Wednesday			Anatomy, Physiology, Peads, Family Medicine & Community Meidicine		Prof. Dr. Ayesha/Asso. Prof. Dr. Arsalan (Even)	Asso. Prof. Dr. Mohtasham (Even)	Dr. Farah Pervaiz (Odd)	Dr. Abdul Qudoos (Even)		(Referred to table no. 1)		
		SGD/ DISSECT	ION			MY (LGIS)	PBL 2 (SE	SSION – I)				
08-05-2025 Thursday		Bones of Han	4		Histology Bone II (Ossification)	Embryology Fetal period	Muscle V	Veakness		Practical & Tutorial Venue & topic mentioned at the end	SDL Biochemistry Deficiency manifestation of	
					Asso. Prof. Dr. Mohtasham (Even)	Prof. Dr. Ayesha/Asso. Prof. Dr. Arsalan (Odd)	PBL'			(Referred to table no. 1)	Vit A &	
Day & Date	8:00am – 09:00a		00am – 10:00am		10:00am – 11:00		11:00am -	- 12:00pm				
	SGD / DISSECTI	ON BIOCE	IEMISTRY (LGIS)		ANATOMY LO	GIS	PHYSIOLO	GY (LGIS)				
			Fluoride, Magnesium		Embryology	General Anatomy		Drugs acting on NMJ,		SDL Anatomy		
09-05-2025 Friday	Wrist joint	Vitamin D	& SulphurCopper, Zinc, Selenium, Iodine, Manganese		Placenta	Joints 1(types)	SDL: Nernst Potential & RMP & Action Potential	Myasthenia Gravis, Lambart Eaton Syndrome		Avascular Necrosis of Scapho	id Bone	
		Dr. Aneela (Even)	Dr. Uzma (Odd)		Ayesha/Asso. Prof. Dr. Arsalan (Odd)	Assit. Prof. Dr. Tayyaba (Even)	Dr Jawad (Even)	Prof. Dr. Samia Sarwar/Dr Aneela (Odd)				
Date/ Day		8:00am – 10:00	am	10:00am – 10:20am	10:20am	1-11:20am	11:20am-	-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment	
		SGD/ DISSECT	ION		ANATO	MY LGIS	PHYSIOL	OGY LGIS			SDL Anatomy	
				¥	General Anatomy	Embryology	Drugs acting on NMJ,		~	Practical & Tutorial	Wrist Dislocation	
10-05-2025				a	Joints I (Types)	Placenta	Myasthenia Gravis,	SDL: Nernst Potential &	a	Practical & Tutorial Venue & topic mentioned		
Saturday	Dorsum o	of Hand, Flexor & Ex	tensor Retinacula	re	Assit. Prof. Dr. Tayyaba	Prof. Dr. Ayesha/Asso.	Lambart Eaton Syndrome	RMP & Action Potential	re	at the end (Referred to table no. 1)	Mid Module Online Clinical	
				В	(Even)	Prof. Dr. Arsalan (Odd)	Prof. Dr. Samia Sarwar /Dr Aneela (Even)	Dr Jawad (Odd)	В	(1111111 13 14010 110. 1)	Evaluation	

				Table 1	No. 1 (T	ime: 12:3	0pm –	02:00pm)								
Batch	Distribut	ion for Practical	Topics for Skill Lab with Venue				•		iedu	le for Pra	ctical					
Skills	(all subje	ects)	Cartilage (Anatomy Histology	Day	His	tology	Bioc	hemistry Practi	cal	Physiolo	gy Practical		Phy	siology	Biochemistry SGD	
		roup Discussion	Practical) Venue-Histology		Practical								SGD			
(Bioc	(Biochemistry and Physiology) Laboratory-Dr Kashif Ashraf			Batch	Teacher	Batch	Teacher		Batch	Teacher	Q	Batch	Teacher	Batch	Teacher Name	
			• Tryptophan Test, Sakaguchi's			Name		Name	Q		Name	HOD		Name		
Sr. No	Batch	Roll No.	Test (Biochemistry Practical)	Monday	C	Q	В	Dr. Rahat	НОД	${f E}$	Dr. Ali /Dr.	y I	A	Dr.	D	Dr. Uzma
			Venue- Biochemistry Laboratory			НОБ			y I		Afsheen	d b		Sheena		Zafar
1.	A	01-70	Determination of Erythrocyte	Tuesday	D	y I	C	Dr. Sana Latif	d b	A	Dr. Sheena	ise	В	Dr. Uzma	${f E}$	Dr. Rahat
2.	В	71-140	Sedimentation Rate	Wednesday	E	q p	D	Dr. Uzma	'ise	В	Dr. Uzma	erv	C	Dr. Farah	A	Dr. Almas
3.	С	141-210	(ESR)(Physiology-Practical)	Thursday	В	rvise	A	Dr. Almas	uperv	D	Dr. Nazia	Sup	E	Dr. Ali/Dr. Afsheen	C	Dr. Sana Latif
4.	D	211-280		Saturday	A	adn	E	Dr. Romessa	S	C	Dr. Farah		D	Dr. Nazia	В	Dr. Romessa
5.	E	281-onwards				١S										

Topics for SGDs / CBL with Venue

- Physiology CBL: Insecticide poisoning (Physiology Lecture Hall 05)
- Biochemistry SGD: Minerals (Venue: Lecture Hall No

			Table No. 2 Bate	ch Distribution with Venues a	nd Teacl	ners Nam	e for Problem Ba	ased 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	6.	C2	(176-210)	New Lecture Hall Complex	Dr. Nabiha (PGT Physiology)
			Physiology	(Senior Demonstrator				Lecture Theater # 03	
				Biochemistry)					
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Maaria	7.	D 1	(210-245)	New Lecture Hall Complex	Dr. Jawad (Demonstrator Physiology)
			Anatomy)	(PGT Physiology)				Lecture Theater # 02	
3.	B1	(71-105)	Anatomy Museum (First	Dr. Nayab Ramzan	8.	D2	(246-280)	New Lecture Hall Complex	Dr. Kashif Ashraf
			Floor Anatomy)	(APWMO Biochemistry)				Lecture Theater # 02	(Demonstrator Anatomy)
4.	B2	(106-140)	Lecture Hall no.03 (First	Dr. Zeneara Saqib (Senior	9.	E1	(281-315)	Anatomy Museum (First Floor	Dr. Uzma Zafar
			Floor)	Demonstrator of Anatomy)				Anatomy)	(APWMO Biochemistry)
5.	C1	(141 - 175)	Anatomy Museum (First	Dr. Farhat	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Najam
			FloorAnatomy)	(PGT Physiology)					(PGT Physiology)

Table No. 3 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

Table No	o. 4 Batch D	istribution and Venues for An SGDs / Dissections		oup Discussion	Table	No. 5 Bate	ch Distribution and Venue	es for Physiology o	& Biochemistry S	mall Group Discu	ssion SGDs
Batches	Roll No	Subgroup	Anatomy Teacher	Venue	Batches	Roll No	Subgroup	Physiology Teacher	Physiology Venue	Biochemistry Teacher	Biochemistry Venue
A	01- 70	A1: Roll No (1 – 17) A2: Roll No (18 – 34) A3: Roll No (35 – 51) A4: Roll No (52 – 70)	Dr. Ali Raza (Senior. Demonstrator)	Anatomy Lecture Hall 03	A	01-70	A1: Roll No (1 – 14) A2: Roll No (15 – 28) A3: Roll No (29 – 42) A4: Roll No (43 – 56) A5: Roll No (57 – 70)	Dr. Sheena Tariq (APWMO)	Physiology Lecture Hall 5	Dr. Uzma Zafar (APWMO)	Basement Lecture Hall No. 2
В	71-140	B1: Roll No (71 – 87) B2: Roll No (88 – 104) B3: Roll No (105 – 121) B4: Roll No (122 – 140)	Dr. Sajjad Hussain (Senior. Demonstrator)	Anatomy Lecture Hall 04	В	71-140	B1: Roll No (71 – 84) B2: Roll No (85 – 98) B3: Roll No (99 – 112) B4: Roll No (113 – 126) B5: Roll No (127 – 140)	Dr. Uzma Kiyani (Senior Demonstrator)	Physiology Lecture Hall 5	Dr. Rahat (APWMO)	Basement Lecture Hall No. 2
С	141-210	C1: Roll No (141 – 157) C2: Roll No (158 – 174) C3: Roll No (175 – 191) C4: Roll No (192 – 210)	Dr. Tayyaba Qureshi (Assistant Professor)	New Lecture Hall Complex 02	C	141-210	C1: Roll No (141 – 154) C2: Roll No (155 – 168) C3: Roll No (169 – 182) C4: Roll No (183 – 196) C5: Roll No (197 – 210)	Dr. Farah Shah (Demonstrator)	Physiology Lecture Hall 5	Dr. Almas (APWMO)	Basement Lecture Hall No. 2
D	211- 280	D1: Roll No (211 – 227) D2: Roll No (228 - 244) D3: Roll No (245 – 261) D4: Roll No (262 – 280)	Dr. Sumyyia Bashir (Assistant Professor)	New Lecture Hall Complex 3	D	211-280	D1: Roll No (211 – 224) D2: Roll No (225 – 238) D3: Roll No (239 – 252) D4: Roll No (253 – 266) D5: Roll No (267 – 280)	Dr. Nazia (Demonstrator)	Physiology Lecture Hall 5	Dr. Sana Latif (Senior Demonstrator)	Basement Lecture Hall No. 2
E	281- onwards	E1: Roll No (281 – 297) E2: Roll No (298 – 314) E3: Roll No (315 – 331) E4: Roll No (332 – onwards) Supervised by Prof. Dr. Ayesl	Dr. Zeneara Saqib (Demonstrator)	New Lecture Hall Complex 01 / Anatomy Museum	E	281- onwards	E1: Roll No (281 – 294) E2: Roll No (295 – 308) E3: Roll No (309 – 322) E4: Roll No (323 – 336) E5: Roll No (337 – onwards) Supervised by Prof. Dr. S	Dr. Ali Zain / Dr. Afsheen (P. G Trainee)	Physiology Lecture Hall 5	Dr. Romessa (Demonstrator)	Basement Lecture Hall No. 2

Time Table for Musculoskeletal-I Module Fourth Week (12-05-2025 to 17-05-2025)

				(12	2-03-2023 10 1	/				
Day & Date	8:00am – 09:00am	09:00am – 10:00am	10:00am – 10:20am	10:20am	-11:20am	11:20a	m-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
	DISSECTION Dissection & Spotting				ISTRY LGIS	PBL 2 (SESSION-II)		Practical & Tutorial	SDL Physiology
12-05-2025 Monday				Classification & Structure of Amino Acids Isomerism	Vitamin C, Niacin & Thiamine	PF	BL Team		Venue & topic mentioned at the end (Referred to table no. 1)	Properties of nerve fibers
				Dr. Rahat (Even)	Dr. Almas/ Dr Aneela (Odd)					
	MEDICINE	SGD/ DISSECTION		ANATO	MY LGIS	COMMUNITY MEDICINE			Practical & Tutorial	CDI Dl:-l
13-05-2025 Tuesday	Osteomalacia, rickets Polyarthritis	Cross Sectional Anatomy	∠	Embryology Fetal membranes & multiple	General Anatomy Joints II	Prevention of Accidents		*	Venue & topic mentioned at the end (Referred to table no. 1)	SDL Physiology Drugs acting on NMJ
	Dr. Sheryar (Even) Dr Umer Daraz (Odd) Anatomy		rea	Prof. Dr. Ayesha (Even)	Assit. Prof. Dr. Tayyaba (Odd)	Dr Rizwana Shahid (Odd)	Dr. Abdul Qudoos (Even)	rea		
	SGD / DISSECTION		—		E & OBS		MISTRY (LGIS)	9		
14-05-2025	Palm of Hand & Facial spaces			Bony PELVIS	Fetal Skull & m of Labor	Vitamin C, Niacin & Thiamine	Classification & Structure of Amino Acids Isomerism		Practical & Tutorial Venue & topic mentioned at the end	SDL Biochemistry Deficiency manifestation of
Wednesday		•		Dr. Aqsa Ikraam (Even)	Dr. Shama Bashir (Odd)	Dr. Almas/Dr Aneela (Even)	Dr. Rahat (Odd)		(Referred to table no. 1)	Thiamin
	SGD/ DISS	ECTION		SURGER	Y/ORTHO	ANAT	OMY LGIS			
]	Tennis elbow, Fra	cture of Olecranon,	General Anatomy	Embryology]	Practical & Tutorial	SDL
15-05-2025 Thursday	Neurovascular Organization of Hand			radiu	s, ulna	Joints II	Fetal membranes & Multiple Pregnancy		Venue & topic mentioned at the end	Biochemistry Deficiency
				Dr. Hassan (Even)	Dr. Rahman Rasool (Odd)	Prof. Dr. Ayesha (Odd)	Assit. Prof. Dr. Tayyaba (Even)		(Referred to table no. 1)	manifestation of Niacin
16-05-2025 Friday				E	Early Clinical Exposur	re (ECE)				SDL Anatomy Carpal Tunnel Syndrome
	SGD / DISS	SECTION			MY LGIS	SURGE	CRY/ORTHO			
17-05-2025	Cutaneous Innervation & Dermatomes of upper		ous Innervation & Dermatomes of upper Te		Embryology Teratogenesis	Shoulder Dislocation		e a k	Practical & Tutorial Venue & topic mentioned at the end	SDL Anatomy Dupuytren's Contracture
Saturday	limb, Force & wei	ght transmission	Bro	Prof. Dr. Ayesha (Even)	Prof. Dr. Saima (Odd)	Dr. Saad Riaz (Even)	Dr. Shahzad Anjum (Odd)	Br	(Referred to table no. 1)	End of Module Online Clinical Evaluation

					T 4 (707)	10.00		0000								
				Table N	lo. 1 (T	ime: 12:30	pm –	02:00pm)								
Batc	Batch Distribution for Practical Topics for Skill Lab with Venue							Sch	edul	e for Pra	ctical					
Skill	s (all sub	jects)	Bone (Anatomy Histology	Day	His	tology	Bioc	hemistry Practi	cal	Physiolo	gy Practical		Phy	siology	Bioch	emistry SGD
CBL	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `		Practical) Venue-Histology		Pra	actical							,	SGD		
(Bio	chemistry	and Physiology)	Laboratory-Dr. Kashif		Batch	Teacher	Batch	Teacher		Batch	Teacher		Batch	Teacher	Batch	Teacher
			Calcium & Ascorbic Acid			Name		Name			Name	IOD		Name		Name
Sr. N	o Batch	Roll No.	Estimation (Biochemistry	Monday	C)	В	Dr. Rahat	HOD	E	Dr. Ali /Dr.	y H	A	Dr.	D	Dr. Uzma
			Practical) Venue- Biochemistry			[O			y F		Afsheen	q p		Sheena		Zafar
1.	A	01-70	Laboratory	Tuesday	D	y E	C	Dr. Sana Latif	d b	A	Dr. Sheena	ise	В	Dr. Uzma	E	Dr. Rahat
2.	В	71-140	Determination of Differential	Wednesday	E	d b	D	Dr. Uzma	ise	В	Dr. Uzma	J.A.	C	Dr. Farah	A	Dr. Almas
3.	С	141-210	leukocyte Count	Thursday	В	ise	A	Dr. Almas	EV.	D	Dr. Nazia	dn	E	Dr. Ali/Dr.	C	Dr. Sana
			(DLC)(Physiology-Practical)			SIV.			uper			S		Afsheen		Latif
4.	D	211-280		Saturday	A)dn	E	Dr. Romessa	S	С	Dr. Farah		D	Dr. Nazia	В	Dr. Romessa
5.	E	281-onwards				S										

Topics for SGDs / CBL with Venue

- Physiology: NMJ, Transmission across NMJ, Diseases of NMJ (Physiology Lecture Hall 05)
- Biochemistry CBL: Rickets (Venue: Lecture Hall No 2)

			Table No. 2 Bate	h Distribution with Venues ar	nd Teacl	ners Namo	e for Problem Ba	sed 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	6.	C2	(176-210)	New Lecture Hall Complex	Dr. Nabiha (PGT Physiology)
			Physiology	(Senior Demonstrator				Lecture Theater # 03	
			-	Biochemistry)					
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Maaria	7.	D1	(210-245)	New Lecture Hall Complex	Dr. Jawad (Demonstrator
			Anatomy)	(PGT Physiology)				Lecture Theater # 02	Physiology)
3.	B1	(71-105)	Anatomy Museum (First	Dr. Nayab Ramzan	8.	D2	(246-280)	New Lecture Hall Complex	Dr. Kashif Ashraf
			Floor Anatomy)	(APWMO Biochemistry)				Lecture Theater # 02	(Demonstrator Anatomy)
4.	B2	(106-140)	Lecture Hall no.03 (First	Dr. Zeneara Saqib (Senior	9.	E1	(281-315)	Anatomy Museum (First Floor	Dr. Uzma Zafar
			Floor)	Demonstrator of Anatomy)				Anatomy)	(APWMO Biochemistry)
5.	C1	(141-175)	Anatomy Museum (First	Dr. Farhat	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Najam
			FloorAnatomy)	(PGT Physiology)					(PGT Physiology)

Table No. 3 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

A 01-	Roll No 01- 70 71-140	Subgroup A1: Roll No (1 – 17) A2: Roll No (18 – 34) A3: Roll No (35 – 51) A4: Roll No (52 – 70) B1: Roll No (71 – 87)	Anatomy Teacher Dr. Ali Raza (Senior. Demonstrator)	Anatomy Lecture Hall 03	Batches A	Roll No 01-70	Subgroup A1: Roll No (1 – 14) A2: Roll No (15 – 28)	Physiology Teacher Dr. Sheena	Physiology Venue Physiology	Biochemistry Teacher Dr. Uzma Zafar	Biochemistry Venue
B 71-		A2: Roll No (18 – 34) A3: Roll No (35 – 51) A4: Roll No (52 – 70)	(Senior.	Lecture Hall	A	01-70	· · · · · · · · · · · · · · · · · · ·		Physiology	Dr. Hama Zafan	_
	1-140	B1: Roll No (71 – 87)					A2: Roll No (13 – 26) A3: Roll No (29 – 42) A4: Roll No (43 – 56) A5: Roll No (57 – 70)	Tariq (APWMO)	Lecture Hall 5	Dr. Uzma Zafar (APWMO)	Basement Lecture Hall No. 2
C 141		B2: Roll No (88 – 104) B3: Roll No (105 – 121) B4: Roll No (122 – 140)	Dr. Sajjad Hussain (Senior. Demonstrator)	Anatomy Lecture Hall 04	В	71-140	B1: Roll No (71 – 84) B2: Roll No (85 – 98) B3: Roll No (99 – 112) B4: Roll No (113 – 126) B5: Roll No (127 – 140)	Dr. Uzma Kiyani (Senior Demonstrator)	Physiology Lecture Hall 5	Dr. Rahat (APWMO)	Basement Lecture Hall No. 2
	41-210	C1: Roll No (141 – 157) C2: Roll No (158 – 174) C3: Roll No (175 – 191) C4: Roll No (192 – 210)	Dr. Tayyaba Qureshi (Assistant Professor)	New Lecture Hall Complex 02	С	141-210	C1: Roll No (141 – 154) C2: Roll No (155 – 168) C3: Roll No (169 – 182) C4: Roll No (183 – 196) C5: Roll No (197 – 210)	Dr. Farah Shah (Demonstrator)	Physiology Lecture Hall 5	Dr. Almas (APWMO)	Basement Lecture Hall No. 2
D 211	211- 280	D1: Roll No (211 – 227) D2: Roll No (228 - 244) D3: Roll No (245 – 261) D4: Roll No (262 – 280)	Dr. Sumyyia Bashir (Assistant Professor)	New Lecture Hall Complex 3	D	211-280	D1: Roll No (211 – 224) D2: Roll No (225 – 238) D3: Roll No (239 – 252) D4: Roll No (253 – 266) D5: Roll No (267 – 280)	Dr. Nazia (Demonstrator)	Physiology Lecture Hall 5	Dr. Sana Latif (Senior Demonstrator)	Basement Lecture Hall No. 2
	281- onwards	E1: Roll No (281 – 297) E2: Roll No (298 – 314) E3: Roll No (315 – 331) E4: Roll No (332 – onwards) Supervised by Prof. Dr. Ayesl	Dr. Zeneara Saqib (Demonstrator)	New Lecture Hall Complex 01 / Anatomy Museum	E	281- onwards	E1: Roll No (281 – 294) E2: Roll No (295 – 308) E3: Roll No (309 – 322) E4: Roll No (323 – 336) E5: Roll No (337 – onwards) Supervised by Prof. Dr. S	Dr. Ali Zain / Dr. Afsheen (P. G Trainee)	Physiology Lecture Hall 5	Dr. Romessa (Demonstrator)	Basement Lecture Hall No. 2

Tentative Schedule for LMS Based Weekly Online Assessments for First Year MBBS (MSK-I Module - I) Batch 52

The Online Assessment for MSK-I Module for First Year MBBS will be as per following schedule:

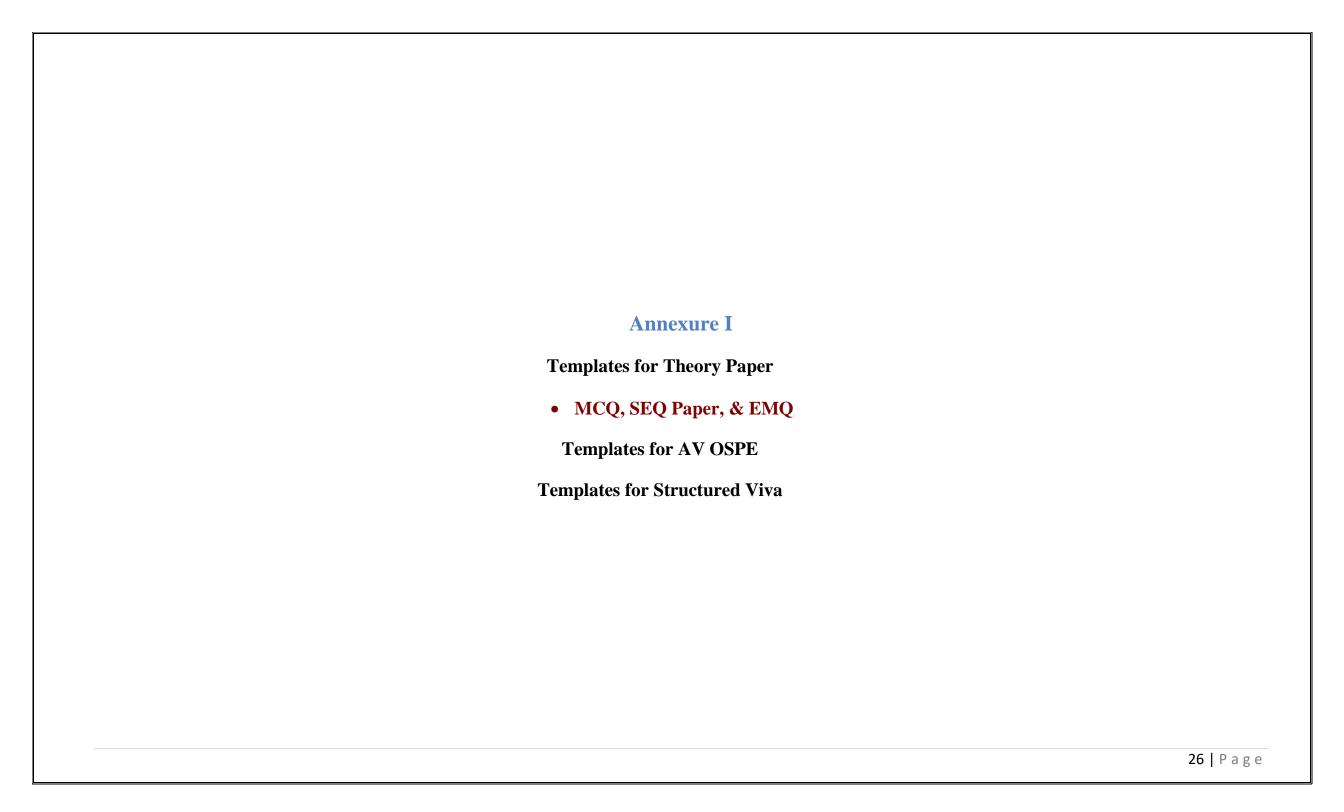
Class	Module	Day & Date	Time of Assessment	Focal person	Department Responsible
		Monday 21st April 2025	7:00 pm - 7:30pm	Prof. Dr. Ayesha Yousaf	Anatomy
		Tuesday 22 nd April, 2025	7:00 pm - 7:30pm	Prof. Dr. Samia Sarwar	Physiology
First Year	MSK-I Module - I	Wednesday 23 rd April, 2025	7:00 pm - 7:30pm	Dr. Aneela Jamil	Biochemistry
MBBS	Wish Twodare T	Monday 05 th May, 2025	7:00 pm- 7:30pm	Prof. Dr. Ayesha Yousaf	Anatomy
		Tuesday 06 th May, 2025	7:00 pm- 7:30pm	Prof. Dr. Samia Sarwar	Physiology
		Wednesday 07 th May, 2025	7:00 pm - 7:30pm	Dr. Aneela Jamil	Biochemistry

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

Time Table for Musculoskeletal-I Module Fifth Week (19-05-2025 to 28-05-2025)

Date & Day	Tentative Schedule
19-05-2025 Monday	
20-05-2025	Module Assessment
Tuesday	Module Assessment
21-05-2025 Wednesday	
22-05-2025 Thursday	
23-05-2025 Friday	
24-05-2025 Saturday	Block Assessment
26-05-2025 Monday	DIOCK ASSESSMENT
27-05-2025 Tuesday	
28-05-2025 Wednesday	

*Note: All dates are subject to change.



Rawalpindi Medical University Rawalpindi

Department of Anatomy, Physiology & Biochemistry

MCQs & EMQ Paper for _____ Module, First Year MBBS Batch 52
Date: 00-00-0000

Total Marks: 30 (MCQs: 25, EMQ: 5)	Roll No
Total Time: 30 Minutes	Name
Each MCQ carries 1 mark and EMQ carries 5 marks	

Encircle the single best response

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Q. #	Integrated & Clinically Oriented Assessment of the Subject Anatomy, Physiology & Biochemistry	Level of
	Section A: Core Knowledge of Anatomy / Physiology / Biochemistry (70%)	Cognition
1.	Question	C1
	a	
	b	
	c	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	
	Section – B: Integrations (30%)	
	Horizontal Integration Anatomy / Physiology / Biochemistry (5%)	
2.	Horizontal Integration with Anatomy (2.5%)	C1
	Questions	
	a	
	b	
	C	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	
	Vertical Integration with Medicine / Surgery / Gynae Obs etc (15%)	
3.	Question	C3
	a	
	b	
	c	
	d	

	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	
	Spiral Integration (10%)	
	Medical Bioethics	
4.	Question	C2
	a	
	b	
	c	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	
	Family Medicine	
5.	Question	
	a	
	b	
	C	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	

Rawalpindi Medical University Rawalpindi Department of Anatomy, Physiology & Biochemistry

<u> </u>	<i>v v ov</i>	· ·
SEQ & SAQ Paper for	Module,	_ Year MBBS Batch

Date: 00-00-0000

Total Marks: 70 Time allowed: 1 hour & 30 minutes
Each SAQ carries 5 marks Each SAQ: 5 minutes, SEQ: 10 minutes

Each SEQ carries 9 marks

Attempt all Questions

	Auempt an Questi	OHS					
Integra	nted & Clinically Oriented Assessment of the Subje	ct of Anat	omy, Phy	siology & Bio	ochemistry		
	Domain		Pe	rcentage			
•	Core Knowledge (CK) of Anatomy/Physiology	(70%)					
	Biochemistry						
•	Integration			(30%)			
	Horizontal Integration (HI)			(05%)			
	○ Vertical Integration (VI)			(15%)			
	o Spiral Integration (SI)			(10%)			
Q.#	Construct your Answers according to the given	Domain	Marks	%	Level of		
	Scenarios and Questions			Weightage	Cognition		
	Short Answer Questions (SAQs) Total Marks	: 25 (Each	SAQ car	ries marks)			
	A 55 years Male, known case of Coronary Artery						
	Disease, presented						
	to	CK &					
		VI					
a . o . 1	a	Q.7.7		0.54	CO		
SAQ 1		CK	2	8%	C2		
	b						
		CK	2	12%	C2		
	с			8%			

d	СК	2	12%	C2
e. USMLE Question. References: Part a: Guyton & Hall 14 th Edition page # 114 Part b: Guyton & Hall 14 th Edition Page # 116	СК	1	8%	C2

Q.#	Construct your Answers according to the given	Domain	Marks	%	Level of
	Scenarios and Questions			Weightage	Cognition
	Short Essay Question (SEQs) T	Total Marks	: 45	T	T
	A 55 years Male, known case of Coronary Artery				
	Disease, presented				
	to	CK & VI			
	a				
SEQ 1		HI with	2	6.66%	C2
		Anatomy			
	b				
		CK	3	6.66%	C2
		011		0.0070	
	c				
		CK	2	6.66%	C2
	d				
		CK	1	6.66%	C2
	e				
	USMLE Style Question. References:	CK	1	6.66%	C2
	• Part a: Guyton & Hall 14 th Edition page # 101				
	• Part b: Guyton & Hall 14 th Edition Page # 103				
	• Part c: Guyton & Hall 14 th Edition Page # 103				

Rawalpindi Medical University Rawalpindi

Department of Anatomy / Physiology / Biochemistry

Clinically Oriented Audio V	Visal Objective Structured Practical Examination (OSPE) Module 2025
	Year MBBS (Batch)
Day:	
Date:	
	10 AV OSPE Slides
	Time Allowed: 50 minutes
	05 minutes for each slide
Chairperson	Additional Director Assessment
Department of	Rawalpindi Medical University
Rawalpindi Medical University, Rawalpindi	Rawalpindi

Director DME

Rawalpindi Medical University Rawalpindi

Vice Chancellor

Rawalpindi Medical University Rawalpindi

Slide 1

Core Knowledge with Horizontal / Vertical / Spiral Integration

Topic:

Teaching Strategy:

Requirements: Answer sheet, Pen

Objective: _____



1.		(01)
2.		(01)
3.		(01)
4.		(01)
5.		(01)
	Slide 1	
	Key for Examiner	
1.		
2.		
3.		
4.		
_		

Department of Anatomy

MSK-I Module (Structured Viva)

Date: Time: 8:00-2:00pm Roll no: 181 onwards

Roll no.	Osteology of upper limb (radius, ulna,bones of hand) and clinicals (10)	Arthrology of upper limb (shoulder, elbow,radioulnar and small joints of hand) with clinicals (05)	Flexor and extensor compartments of arm with clinicals (C1-C3) (10)	Flexor and extensor compartments of forearm with clinicals (C1-C3) (05)	Palm and dorsum of hand with retinuclae and clinicals (C1-C3) (5)	Surface marking (skill) (05)	Soft tissue spotting (skill) (05)	Gross sketch copy (skill) (02)	Professionalism (PCD) (03)	Total marks (50)
										-

Examiner	
Sign	
Stamp	

*Objective Structured Practical Examination (OSPE) will be held in end of block assessment.

Department of Physiology MSK-I Module (Structured Viva)

MOD	ULE:	DATE:		TEACHER NAME: _			SIGNATURE	
Sr. No.	Roll No.	Students Name	Definition/ Enlist/Enumerate	Physiological/ Pathophysiological Mechanism	Related Diseases/ Diagnostic Parameters/ Management / Treatment Guidelines	Additional Domains of knowledge to be Assessed • Family Medicine • Preventive Medicine • Artificial Intelligence) • Counseling • Prevention • Social Impact • Psychosocial impact • Community Implestion	Professionalism & Behavior Components; Appropriate dressing & white coat College ID cardwith picture Behavior Level of Confidence/ Non verbal Body language Communication Skills Language of Communication Volume of voice Clarity & fluency of speech	Total marks obtained out of 25
			Q=1 C1 (5Marks)	Q=2 C2 (8 Marks)	Q=3 C3 (6 Marks)	Prevalence / algorithms C1/C2/C3 (2 Marks)	Understanding of questions Prioritizing the answers A3 (4 Marks)	
	-			A			2	-
	_						V	
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	_							
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^{*}Objective Structured Practical Examination (OSPE) will be held in end of block assessment.

Department of Biochemistry MSK-I Module (Structured Viva)

Date: Time: Teacher's Name

Roll No.	Classification/ Definition/ Enumerate (C1) (05 Marks)	Metabolic role/ Mechanism of action/ Physiological mechanism (C2) (08 Marks)	Related clinical disorders/ Pathogenesis (C3) (06 Marks)	Additional domains of Knowledge to be assessed Family Medicine, Artificial Intelligence, Ethics and Research (C1, C2, C3) (02 Marks)	Professionalism & Behavior (A3) (04 Marks)	Total marks (25)

 $[{]m *Objective\ Structured\ Practical\ Examination\ (OSPE)}$ will be held in end of block assessment.

Rawalpindi Medical University 1st Year MBBS Model MCQS (USMLE Format)

1. 30-year-old Female secretary presents with wrist pain and a sensation of numbness and burning in her palm and the first, second, and third fingers of her right hand. The pain worsens at night and is relieved by loose shaking of the hand. There is sensory loss in the same fingers. Exam reveals a positive	
Tinel's sign. What could be the likely diagnosis?	
A) Carpel Tunnel syndrome	Anatomy
B) Cubital Tunnel Syndrome	
C) Saturday night palsy	
D) Pronator syndrome	
E) Klumpke's paralysis	
2. A 35-year-old lady presented with sudden onset of extreme muscle weakness. She could not talk or see. After administration of a drug called	
neostigmine, her symptoms improved because the drug a. Activates acetylcholine:	
A) Activates acetylcholine esterase permanently	
B) Activates acetylcholine temporarily	
C) Inhibits acetylcholine permanently:	Physiology
D) Inhibits acetylcholine esterase temporarily	
E) Releases acetylcholine at the nerve termina	
3. A 60-year-old male presents to the clinic with complaints of easy bruising and prolonged bleeding after minor cuts. He reports a recent history of increased bleeding during his dental procedure and noticed excessive bruising on his arms after a fall. Upon examination, his medical history reveals that he has been on long-term anticoagulant therapy for atrial fibrillation. Blood tests show a prolonged prothrombin time (PT). Which of the following vitamins is most likely playing a critical role in this patient's blood clotting ability?	Biochemistry
A) Riboflavin	
B) Vitamin C	
C) Pyridoxine	
D) Folic acid	
E) Vitamin K	

Rawalpindi Medical University 1st Year MBBS Model SEQs & SAQs (USMLE Format)

Q1. A 12-year-old male football player presented to the emergency department with a painful right elbow after a tackle during a game. He reported that he	
landed on his right arm and felt a sudden, sharp pain in his elbow. He was diagnosed with a fracture of the medial epicondyle of the humerus.	
1. Which nerve and artery is affected in this case? (1)	
2. Enlist the muscles supplied by this nerve. (1)	
3. What would be the position of hand in this case? (1)	Anatomy
4. What is the most common complication of a medial epicondyle fracture in children? (1)	·
5. What would be an appropriate management option for a displaced medial epicondyle fracture? (1)	
Q2. A 35-year-old lady presented in emergency department with sudden onset of shortness of breath, dropping of eyelids and slurring of speech. Her serum	
auto-antibody titer was much raised. These antibodies were directed against ligand- gated-channels at the neuromuscular junction. The symptoms reversed	
after the administration of a drug prescribed by the duty doctor.	
1. Name the drug. Give its mechanism of action. (1)	
2. Name the disorder she is suffering from. (1)	Physiology
3. What is the pathophysiological basis of this disorder? (3)	Thysiology
4. What other common symptom is associated with Myasthenia Gravis that may help in diagnosis?	
5. What is the most commonly affected muscle group in Myasthenia Gravis?	
Q3. A 40-year-old woman with minimal sunlight exposure, a poor diet, and symptoms of fatigue, bone pain, muscle weakness, and low light vision difficulty	
presents to the clinic. Blood tests reveal low serum calcium and low vitamin D levels.	
1. What is the most likely diagnosis?	D. 1
2. What is the biological function of Vitamin D?	Biochemistry
3. What is the appropriate treatment for Vitamin D deficiency?	
4. What is the role of Vitamin A in the visual cycle?	
5. What is the most likely cause of her night blindness?	

Sample EMQ

A 60-year-old man presents to the clinic with complaints of progressive weakness in his legs over the past six months. He reports difficulty climbing stairs and standing from a seated position. On examination, there is noticeable wasting (atrophy) of the muscles in his thighs and calves bilaterally. Neurological examination reveals normal reflexes and sensation. He denies any recent trauma or prolonged immobilization.

Match the following types and causes of muscle atrophy with their corresponding descriptions:

Types and Causes of Muscle Atrophy:

- A. Disuse atrophy
- B. Neurogenic atrophy
- C. Cachexia
- D. Sarcopenia
- E. Endocrine-related atrophy
- F. Denervation atrophy
- G. Malnutrition-related atrophy

Descriptions:

Atrophy due to reduced physical activity or immobilization, leading to loss of muscle mass and strength.

Muscle wasting secondary to damage or disease affecting the nerves that supply the muscles.

Severe muscle wasting associated with chronic illness such as cancer, characterized by involuntary weight loss and systemic inflammation. Age-related loss of muscle mass and strength, often seen in elderly individuals.

Muscle wasting due to hormonal imbalances or deficiencies affecting muscle protein synthesis.

Atrophy resulting from inadequate intake of essential nutrients, leading to muscle weakness and wasting.

Matching:

Type A:

Type B:

Type C:

Type D:

Type E:

Type F:

Type G:

Rawalpindi Medical University 1st Year MBBS Model AV OSPE

Slide 1 / Video

Core Knowledge with Horizontal / Vertical / Spiral Integration

Topic: Dinner Fork Deformity

Teaching Strategy: Small Group Discussion

Requirements: Answer sheet, Pen

Objective: To Assess the Knowledge of Students Regarding Injuries of Upper Limb



1.	Name the clinical condition shown in video / slide?	(01
2.	What is the primary cause of this clinical condition?	(01
3.	Which muscles are most commonly affected?	(01
4.	Discuss the radiological findings seen in this condition?	(01
5.	What are the management options for this patient?	(01

Rawalpindi Medical University 1st Year MBBS OSPE (Block-I)

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•	DOCT 11	\mathbf{u}	uuu	11

Marks: 05 Time Allowed: 03 Minutes

Subject: Biochemistry

Topic assessed: Plasma Protein

Requirements: Urine sample from the patient, Burette, Dilute acetic acid solution, Ethanol (95%), Test tube and rack Pipette

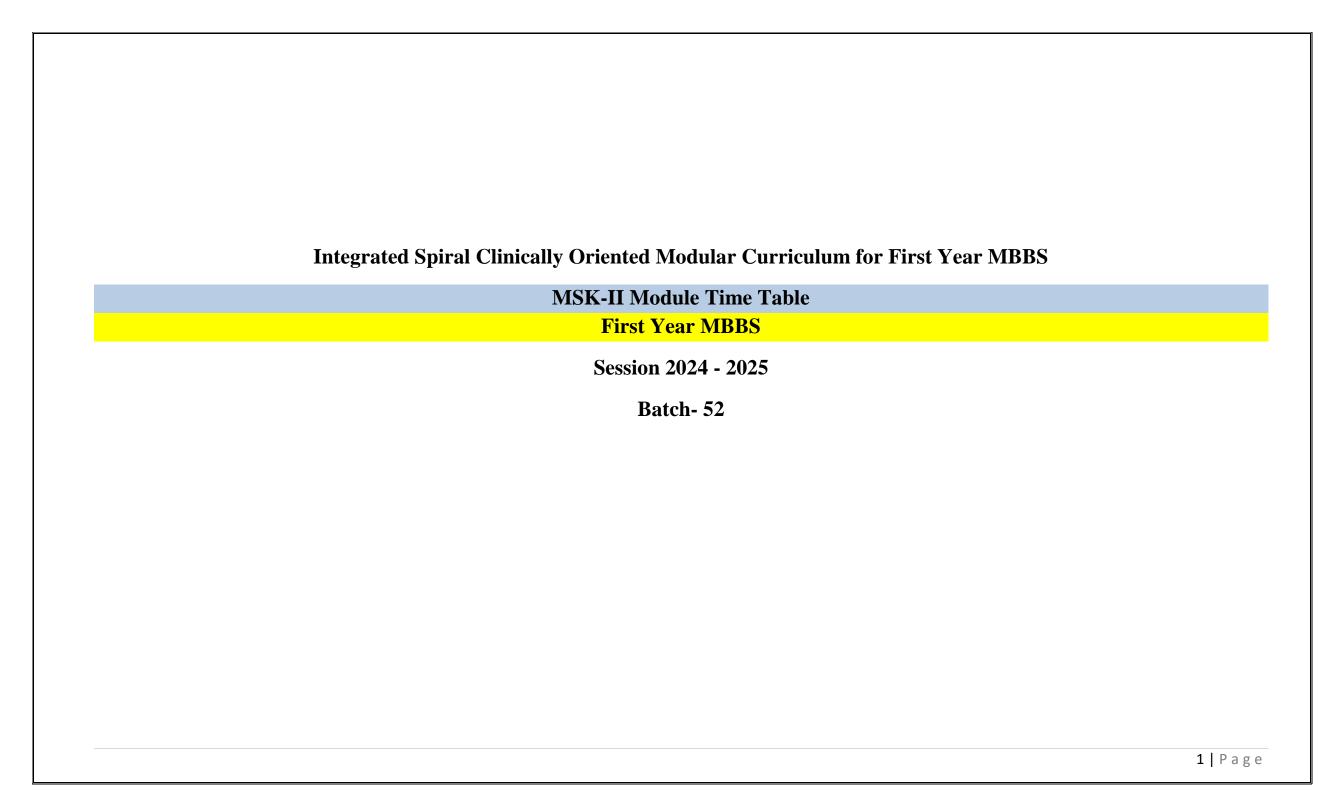
White paper for background contrast Objective: To Perform Burette Test

For Candidate:	Learning domain	Marks
You are in a clinical laboratory setting, and a 45-year- old female patient has been admitted with suspected nephrotic syndrome. The attending physician has requested a quick screening test to check for the	Psychomotor (C1)	5 Marks
presence of albumin in her urine. Perform the Burette Test on a urine sample to detect albumin.		

Key Station	

Requirements: Urine sample from the patient, Burette, Dilute acetic acid solution, Ethanol (95%), Test tube and rack Pipette White paper for background contrast

Q1	Answer	Marks
1	Transfer 5 mL of the urine sample into a clean test tube.	1
2	Add 2-3 drops of dilute acetic acid to acidify the sample.	1
3	Slowly add ethanol (95%) dropwise along the side of the test tube.	1
4	Observe the interface for the formation of a milky white precipitate.	1
5	Interpret a positive result as the presence of albumin if precipitate forms.	1



MSK-II Module Team

Module Name MSK- II Module

Duration of module 05 Weeks

15. Focal Person Quran Translation

16. Focal Person Family Medicine

Lectures

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

Dr. Uzma Zafar

Dr. Sadia Khan

Module Committee				Modu	ıle Task Force Team
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Fahd Anwar (Demonstrator of Physiology)
2.	Director DME	Prof. Dr. Ifra Saeed	2.	DME Focal Person	Dr. Farzana Fatima
3.	Convener Curriculum	Prof. Dr. Naeem Akhter	3.	Co-coordinator	Dr. Sajjad (Senior Demonstrator of Anatomy)
4.	Chairperson Anatomy & Dean Basic Sciences	Prof. Dr. Ayesha Yousaf	4.	Co-Coordinator	Dr. Fareed Ullah (Senior Demonstrator of Physiology)
5.	Additional Director (Assessment) DME	Dr. Arsalan Manzoor Mughal	5.	Co-coordinator	Dr. Almas (Seniot Demonstrator of Biochemistry)
6.	Chairperson Physiology	Prof. Dr. Samia Sarwar			
7.	Chairperson Biochemistry	Dr. Aneela Jamil	DME Implementation Team		
			1.	Director DME	Prof. Dr. Ifra Saeed
8.	Focal Person Anatomy First Year	Asso. Prof. Dr. Mohtashim	2.	Implementation Incharge 1st & 2 nd	Dr. Arsalan Manzoor Mughal
	MBBS	Hina		Year MBBS	Dr. Farzana Fatima
9.	Focal Person Physiology	Dr. Sidra Hamid	3.	Assistant Director DME	Dr. Farzana Fatima
10.	Focal Person Biochemistry	Dr. Aneela Jamil	4.	Editor	Muhammad Arslan Aslam
11.	Focal Person Pharmacology	Dr. Zunera Hakim			
		Da Asiro Nioni			
12.	Focal Person Pathology	Dr. Asiya Niazi			
12. 13.	Focal Person Pathology Focal Person Behavioral Sciences	Dr. Asiya Mazi Dr. Saadia Yasir			
	<u> </u>	, and the second			

Discipline Wise Details of Modular Content

Block	Module	General Anatomy	Embryology	Histology	Gross Anatomy	
		 Muscles 	Development of Axial Skeleton	General Histology	Gluteal Region to Lateral compartment of	
		• Skin	 Development of limbs 	 Muscles 	leg	
	 Anatomy 		 Development of muscles 	• Skin		
				 Skin appendages 		
	 Biochemistry 	Protein chem	istry, Protein separation techniques, Collage	n and Elastin		
	• Physiology	 Sarcotubular system, excitation contraction coupling mechanism inskeletal muscle. Molecular Mechanism of skeletal muscle contraction, Rigormortis, Muscular dystrophies Introduction to muscle physiology, Structure of sarcomere Energetics, efficiency and types of contraction, heat production in muscle Physiologic anatomy, types and properties of Smooth Muscle Mechanism of smooth muscle contraction & its control Introduction to pericardium Properties of myocardium & endocardium, myocardial action potential Regulation of myocardial activity Comparison of 3 types of Muscle Introduction to CVS Excitatory & Conducting system of heart 				
II			Spiral Courses			
	 Bioethics & Professionalism 	IntroductionHistory of Me	to Professional Ethics and PM&DC Code of edical Ethics	Conduct		
	Behavioural Sciences	Communicati				
		Rights and Re	esponsibilities of patients and doctors			
	Artificial Intelligence	Introduction	to Atificial Intelligence			
	 Family Medicine 	Communicati	on and consultation skills in Family Medici	ne Practice		
	• The Holy Quran Translation	 Imaniat-I Ibadat-II Ibadat-III Immaniat-III Ibadat-IV 				

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

Categorization of Modular Content

Department of Anatomy

Category A*	Catego	ory B**		Category C**	* *	
Embryology	General Histology	General Anatomy	Demonstrations (SGD)	Practicals/Skill Lab. (SKL)	CBL	SDL
• Development of Axial Skeleton	Muscles-IMuscles-IISkinAppendages	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 (neurovascular organization) Lateral compartment of leg Surface marking and radiology 	Skeletal muscles Smooth muscle and cardiac muscle Thick skin Thin skin	Dislocation • Fracture of neck of femur	 Pelvic Fractures Developmental Dysplasia of the Hip (DDH) Fracture of Neck of Femur Avascular Necrosis of Femoral Head Coxa Vara and Coxa Valga Deformities Femoral Hernia injury to Femoral Nerve Adductor Tendinopathy Obturator Nerve Entrapment Syndrome Sciatica Trochanteric Bursitis Hip Dislocations Hamstring Muscle Tear/Strain Deep Vein Thrombosis (DVT) Osteoarthritis of Hip Hip Dislocations (Posterior more common) Developmental Dysplasia of Hip (DDH) Tibial Shaft Fracture Shin Splints (Medial Tibial Stress Syndrome) Stress Fractures of Tibia Fibular Fractures (commonly with ankle injuries) Common Peroneal Nerve Injury at Neck of Fibula (foot drop) Fibular Graft Harvest

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 * 10 = 10 hours
2.	Small Group Discussions (SGD)	1*4=4 hours
		2 *13 = 26 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) 1. Sarcotubular system, excitation contraction coupling mechanism in skeletal muscle 2. Molecular Mechanism of skeletal muscle contraction, Rigor mortis, Muscular dystrophies 3. Length tension curve, Load and velocity of contraction, diseases of muscle 4. Physiological properties and types of Smooth Muscle 5. Mechanism of smooth muscle contraction & its control 6. Regulation of myocardial activity 7. Excitatory & Conducting system of heart 8. Comparison of 3 types of muscle
	Mechanism of smooth muscle contraction & its control (By DrAneela) Comparison of 3 types of Muscle (By Dr Aneela)	

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		Protein folding and misfolding Alpha -1 Antitrypsin deficiency	 Color tests for detection of proteins Detection of proteins by 	Protein structure
	Classification of protein and function of protein			Isoelectric pH	
Collagen and elastin	Primary sturcutres of protiens			Fractional precipitation of proteins	Collagen
	Secondary structure of protein				
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 MSK-II Module (First Week) (29-05-2025 To 04-06-2025)

Date/Day	8:00am –	09:00am	09:00am-	- 10:00am	10:00am – 10:20am	10:2	0am-11:20am	11:20am	-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment		
29-05-2025 Thursday		SGD/DISSECTION Hip Bone		ATRICS tal Talipes rus (CTEV).	reak	ANA General Anatom (Muscle I)	TOMY LGIS y Histology (Skeletal Muscle)	PHYSIOLO Introduction to muscle physiology,Structure ofsarcomere	Introduction to muscle physiology, Structure ofsarcomere	reak	Practical & SGD/CBL Topics & venue	SDL Physiology Molecular Mechanism of skeletal muscle contraction rigor		
,					B		Assoc. Prof. Dr Mohtasham (Odd)	Dr Aneela (Even)	Dr. Uzma (Odd)	B	mentioned at the end	mortis, Muscular dystrophies		
Date/Day	8:00 AM -		09:00AM -	- 10:00 AM		10:00 AM - 1		11:00 AM	- 12:00 PM					
	COMMUNITY MEDICINE (CHEPI-RMU)		SURC	SURGERY		ANATOMY	ANATOMY LGIS		OGY LGIS					
30-05-2025 Friday	Community Health Education and Promotion Initiative (CHEPI-RMU) Topic: Introduction to Health		Bone Himors		ology l Muscle)	General Anatomy (Muscle I)	Sarcotubular system, excitation contraction coupling mechanism in skeletal muscle	Sarcotubular system, excitation contraction coupling mechanism inskeletal muscle	Deve	SDL Anatomy Pelvic Fractures Developmental Dysplasia of the Hip (DDH				
	Dr Mohtasham (Even) Dr		Assoc. Prof. Dr Arsalan (Odd)	Prof. Dr. Samia Sarwar/ Dr Aneela (Even										
31-05-2025 Saturday	X rays of Hip Bone		PBL 1 (SE	Team		Properties of amino acids & important peptide	Collagn structure, synthesuis and related disorders	Molecular Mechanism of skeletal muscle contraction rigor mortis, Muscular dystrophies	Molecular Mechanism of skeletal muscle contraction rigor mortis, Muscular dystrophies		Practical & SGD/CBL Topics & venue mentioned at the	SDL Anatomy Fracture of Neck of Femur Avascular Necrosis of Femoral Head Coxa Vara and Coxa		
	Dr. Qurat Ul Dr. Aneeqa Ain (Odd) (Even)					Dr. Rahat (Even	Dr. Aneela (Odd)	Prof. Dr. Samia Sarwar/ Dr. Aneela (Even)	Dr. Uzma (Odd)		end	Valga Deformities		
		DISSECTION)N			ANATOMY LGIS		FAMILY N	MEDICINE		Practical &			
02-06-2025 Monday		Hip bone				General Anatom (Muscle II)	Muscles)	Communication and con Medicine			SGD/CBL Topics & venue mentioned at the	SDL Biochemistry Classification of		
					e a k	Assoc. Prof. Assoc. Prof. Dr Arsalan (Even) Dr Mohtasham (Odd)		Dr. Sadia Azam Khan		e a k	end	proteins		
03-06-2025 Tuesday	SGD / DISSECTION Femur						Bre	Collagn structure synthesuis and related disorders	acids & important peptides	Length tension curve, Load and velocity of contraction, diseases of muscle	Energetics, efficiency and types of contraction, heat production in muscle	Bro	Practical & SGD/CBL Topics & venue mentioned at the	SDL Biochemistry Introduction to proteins and amino
		CBL / DISSEC	TION			Dr. Aneela (Ever	Dr. Rahat (Odd) TOMY LGIS	Dr. Sheena (Even) PHYSIOL	Dr. Uzma (Odd) OGY LGIS		end	acids		
04-06-2025 Tuesday		Femur / Patella			Femur / Patella			Histology (Cardiac & Smooth Muscles	General Anatomy (Muscle II)	Energetics, efficiency and types of contraction, heat production in muscle	Length tension curve, Load and velocity of contraction, diseases of muscle		Practical & SGD/CBL Topics & venue mentioned at the	SDLPhysiology Rigor mortis, Muscular
	Fracture Neck of Femur				Assoc. Prof. Dr Mohtasham (Even)	Assoc. Prof. Dr Arsalan (Odd)	Dr. Uzma (Even)	Dr. Sheena (Odd)		end	dystrophies			

	Table No. 1 (Time: 12:30pm – 02:00pm)																
В	atch	Distribu	tion for	Topics for Skill Lab with Venue					Sch	nedul	le for Pra	ctical					
P	ractic	calSkills	(all subjects)	Anatomy Histology Practical:	Day	Day Histology Practical			hemistry Practi	ical	Physiolo	gy Practical		Physiology SGD		Biochemistry SGD	
		Small G	-	Skeletal Muscles (Dr. Kashif)		Batch Teacher		Batch	Teacher		Batch	Teacher		Batch	Teacher	Batch	Teacher
	Discussion(Biochemistry		•	Physiology Practical:			Name		Name			Name	Q		Name		Name
		ysiology	1	Determination of Red blood cell									HOD				
Sı	: No	Batch	Roll No.	count	Monday	C	Q	В	Dr. Rahat	НС	E	Dr. Ali /Dr.	by F	A	Dr. Sheena	D	Dr. Uzma
				• Biochemistry Practical: Color tests		HOD H				by		Afsheen	d b				Zafar
	1.	A	01-70	for detection of proteins	Tuesday	D	>	C	Dr. Almas	eq	A	Dr. Sheena	ise	В	Dr. Uzma	E	Dr. Romessa
	2.	В	71-140		Wednesday	E	q þa	D	Dr. Uzma	rvis	В	Dr. Uzma	erv	C	Dr. Farah	A	Dr. Sana Latif
	3.	C	141-210		Thursday	В	ervise	A	Dr. Sana Latif	Supe	D	Dr. Nazia	Sup	E	Dr. Ali/Dr. Afsheen	C	Dr. Almas
	4.	D	211-280		Saturday	A	Supe	E	Dr. Romessa		C	Dr. Farah		D	Dr. Nazia	В	Dr. Rahat
	5.	E	281-onwards				N										

Topics for SGDs / CBL with Venue

- Physiology SGD: Sliding filaments of skeletal muscle, sarcotubular system (Lecture Hall 5)
- Biochemistry SGD: Protein structure
- Anatomy CBL: Fracture Neck of Femur

			Table No. 2 Bat	ch Distribution with Venues ar	nd Teac	hers Nan	ne for Problem B	Based Learning (PBL) Sessions	
Sr N	lo. Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05	Dr. Sana Latif	6.	C2	(176-210)	New Lecture Hall Complex	Dr. Nabiha (PGT Physiology)
			Physiology	(Senior Demonstrator				Lecture Theater # 03	
				Biochemistry)					
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Maaria	7.	D1	(210-245)	New Lecture Hall Complex	Dr. Jawad (Demonstrator Physiology)
			Anatomy)	(PGT Physiology)				Lecture Theater # 02	
3.	B1	(71-105)	Anatomy Museum (First	Dr. Nayab Ramzan	8.	D2	(246-280)	New Lecture Hall Complex	Dr. Kashif Ashraf
			Floor Anatomy)	(APWMO Biochemistry)				Lecture Theater # 02	(Demonstrator Anatomy)
4.	B2	(106-140)	Lecture Hall no.03 (First	Dr. Zeneara Saqib (Senior	9.	E1	(281-315)	Anatomy Museum (First Floor	Dr. Uzma Zafar
			Floor)	Demonstrator of Anatomy)				Anatomy)	(APWMO Biochemistry)
5.	C1	(141-175)	Anatomy Museum (First	Dr. Farhat	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Najam
			FloorAnatomy)	(PGT Physiology)					(PGT Physiology)

Table No. 3 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

Table No. 4 Batch Distribution and Venues for Anatomy Small Group Discussion					Table	Table No. 5 Batch Distribution and Venues for Physiology & Biochemistry Small Group Discussion SGDs					
		SGDs / Dissections		T	_	T	T	l	T	1	1
Batches	Roll No	Subgroup	Anatomy	Venue	Batches	Roll No	Subgroup	Physiology	Physiology	Biochemistry	Biochemistry
	0.1 = 0	11.5 11.32 (1.45)	Teacher			04.50		Teacher	Venue	Teacher	Venue
A	01- 70	A1: Roll No (1 – 17)	Dr. Zeneara	New Lecture	A	01-70	A1: Roll No (1 – 14)	Dr. Sheena	Physiology	Dr. Uzma Zafar	Basement
		A2: Roll No (18 – 34)	Saqib	Hall			A2: Roll No (15 – 28)	Tariq	Lecture Hall 5	(APWMO)	Lecture Hall
		A3: Roll No (35 – 51)	(Demonstrator)	Complex 01 /			A3: Roll No (29 – 42)	(APWMO)			No. 2
		A4: Roll No (52 – 70)		Anatomy			A4: Roll No (43 – 56)				
				Museum			A5: Roll No (57 – 70)				
В	71-140	B1: Roll No (71 – 87)	Dr. Ali Raza	Anatomy	В	71-140	B1: Roll No (71 – 84)	Dr. Uzma	Physiology	Dr. Rahat	Basement
		B2: Roll No (88 – 104)	(Senior.	Lecture Hall			B2: Roll No (85 – 98)	Kiyani	Lecture Hall 5	(APWMO)	Lecture Hall
		B3: Roll No (105 – 121)	Demonstrator)	03			B3: Roll No (99 – 112)	(Senior			No. 2
		B4: Roll No (122 – 140)					B4: Roll No (113 – 126)	Demonstrator)			
							B5: Roll No (127 – 140)				
C	141-210	C1: Roll No (141 – 157)	Dr. Sajjad	Anatomy	C	141-210	C1: Roll No (141 – 154)	Dr. Farah Shah	Physiology	Dr. Almas	Basement
		C2: Roll No (158 – 174)	Hussain	Lecture Hall			C2: Roll No (155 – 168)	(Demonstrator)	Lecture Hall 5	(APWMO)	Lecture Hall
		C3: Roll No (175 – 191)	(Senior.	04			C3: Roll No (169 – 182)				No. 2
		C4: Roll No (192 – 210)	Demonstrator)				C4: Roll No (183 – 196)				
							C5: Roll No (197 – 210)				
D	211- 280	D1: Roll No (211 – 227)	Dr. Tayyaba	New Lecture	D	211-280	D1: Roll No (211 – 224)	Dr. Nazia	Physiology	Dr. Sana Latif	Basement
		D2: Roll No (228 - 244)	Qureshi	Hall			D2: Roll No (225 – 238)	(Demonstrator)	Lecture Hall 5	(Senior	Lecture Hall
		D3: Roll No (245 – 261)	(Assistant	Complex 02			D3: Roll No (239 – 252)			Demonstrator)	No. 2
		D4: Roll No (262 – 280)	Professor)				D4: Roll No (253 – 266)				
							D5: Roll No (267 – 280)				
E	281-	E1: Roll No (281 – 297)	Dr. Sumyyia	New Lecture	E	281-	E1: Roll No (281 – 294)	Dr. Ali Zain /	Physiology	Dr. Romessa	Basement
	onwards	E2: Roll No (298 – 314)	Bashir	Hall		onwards	E2: Roll No (295 – 308)	Dr. Afsheen	Lecture Hall 5	(Demonstrator)	Lecture Hall
		E3: Roll No (315 – 331)	(Assistant	Complex 3			E3: Roll No (309 – 322)	(P. G Trainee)			No. 2
		E4: Roll No (332 – onwards)	Professor)				E4: Roll No (323 – 336)				
		·					E5: Roll No (337 –				
							onwards)				
		Supervised by Prof. Dr. Ayesl	na Yousaf				Supervised by Prof. Dr. S	amia Sarwar		Supervised by. I	Dr. Aneela Jamil

Eid Ul Adha & Summar Vacations	06 th June – 29 th June 2025
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Time Table for Module MSK-II (Second Week) (30-06-2025 To 05-07-2025)

			10:00am –		30-00-2025 10 05-0	,		12.10pm		Home		
Date/Day	8:00am-9:00am	9:00am – 10:00am	10:20am	10:	20am-11:20am	11:	20am-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Assignment		
	SGD / D	ISSECTION			Break	PHYS	SIOLOGY LGIS					
30-06-2025 Monday		ompartment of thigh		Classification an functions of prote	ins related disorders	Properties of skeleta muscles, Tetanus & Fatigue			Practical & SGD/CBL Topics & venue mentioned at the end	SDLPhysiology Rigor mortis, Muscular		
	(Muscles & Neuro	ovasculai organization)		Dr. Rahat (Even	Dr. Aneela / Dr. Uzma (Odd)	Dr. Sheena (Even)	` ′			dystrophies		
	SGD / DISSECTION	PBL 1 (SESSION-II)			ATOMY LGIS	MEDICINI	E (Geriatric Medicine)			SDL Physiology		
01-07-2025 Tuesday		PBL Team		Embryology (Development of Axial Skeleton)		_	Aging		Practical & SGD/CBL Topics & venue	Length tension curve, Load and velocity of		
Tuesday	Dissection		e a k	Prof. Dr Ayesha (Even)	a Assoc. Prof. Dr. Mohtasham (Odd)			e a k	mentioned at the end	contraction, diseases of muscle		
	SGD / D	ISSECTION	-		HEMISTRY LGIS	PHYS	SIOLOGY LGIS	=		SDL		
02-07-2025 Wednesday	Medial Com	Medial Compartment of thigh		Medial Compartment of thigh		Elastin structure as related disorders	nd Classification and functions of proteins	Introduction to CVS	Properties of skeletal muscles, Tetanus & Fatigue	В	Practical & SGD/CBL Topics & venue mentioned at the end	Biochemistry Collagen and related
			Dr. Aneela Dr. Uzma (Even	,	Dr. Fahd (Even) Dr. Sheena (Odd)			mentioned at the end	disorders			
	SGD / D	ISSECTION			ATOMY LGIS		SIOLOGY LGIS			SDL		
03-07-2025 Thursday	Dis	Dissection		Histology (Skin)	Embryology (Development of Axial Skeleton)	Physiologic anatomy, types and properties of Smooth muscle	Introduction topericardium Properties of myocardium & endocardium myocardial action potential		Practical & SGD/CBL Topics & venue mentioned at the end	Biochemistry Secondary Structure of protiens		
				Assoc. Prof. Dr Mohtasham (Eve	en) (Odd)	Dr. Aneela (Even)	Dr. Sidra (Odd)			•		
DATE/ DAY		I – 10:00 AM		10:00 AM -			AM – 12:00 PM					
04-07-2025		ISSECTION eal Region		ANATOM istology appendages)	Embryology (Development of limbs)		Y MEDICNE (CHEPI) and Hygiene		SDL Anatomy Femoral Hernia injury to Femoral Ner	NO.		
Friday		vascular organization	Ass	soc. Prof. tasham (Even)	Prof. Dr Ayesha (Odd)				injury to remoral iver	ve		
		AL ACTIVITY 1 MEDICNE (CHEPI)			ATOMY LGIS		SIOLOGY LGIS			SDL Anatomy Adductor		
05-07-2025 Saturday	Hand	d Hygiene	e a k	Embryology (Development of		Introduction topericard Properties of myocard & endocardium	ium Physiologic anatomy, types	reak	Practical & SGD/CBL Topics & venue	Tendinopathy Obturator Nerve Entrapment		
Zucuruuy			Br	limbs)	appendages)	myocardial action potential	muscle	Bı	mentioned at the end	Syndrome Mid Online		
			Prof. Dr Ayesha (Even)	a Assoc. Prof. Dr Mohtasham (Odd)	Dr. Sidra (Even)	Dr. Aneela (Odd)			Clinical evaluation			

					Table	No. 1 (Time: 12:	30pm –	02:00pm)								
Bate	ch Disti	tributi	ion for	Topics for Skill Lab with Venue					Sch	1edu	le for Pra	ctical					
	Practical Skills (all subjects) • Anatomy Histology Practical:			Day	Hi	stology	Bioc	hemistry Practi	ical	Physiolo	gy Practical		Physio	logy SGD	gy SGD Biochemistry SGD		
	•		Smooth and cardiac muscles (Dr.		Pr	actical											
Disc	cussion	n(Bio	chemistry	Kashif)		Batch	Teacher	Batch	Teacher		Batch	Teacher		Batch	Teacher	Batch	Teacher
and	Physio	ology)	• Physiology Practical:			Name		Name			Name	HOD		Name		Name
Sr. N	lo Bat	atch	Roll No.	Determination of Total leukocyte	Monday	C	Ω	В	Dr. Rahat	HOI	E	Dr. Ali /Dr.		A	Dr. Sheena	D	Dr. Uzma
				Count (TLC)			<u> </u>			by I		Afsheen	q p				Zafar
1.	A	A	01-70	Biochemistry practical: Detection	Tuesday	D	y E	C	Dr. Almas	d b	A	Dr. Sheena	/ised	В	Dr. Uzma	E	Dr. Romessa
2.	В	В	71-140	of proteins by Isoelectric pH	Wednesday	E	q p	D	Dr. Uzma	vise	В	Dr. Uzma	ber	C	Dr. Farah	A	Dr. Sana Latif
3.		C	141-210		Thursday	В	ervis6	A	Dr. Sana Latif	In	D	Dr. Nazia	Sup	E	Dr. Ali/Dr. Afsheen	С	Dr. Almas
4.	D	D	211-280		Saturday	A	edn.	E	Dr. Romessa	S	C	Dr. Farah		D	Dr. Nazia	В	Dr. Rahat
5.	E	E	281-onwards				S										

Topics for SGDs / CBL with Venue

- Physiology SGD: Physiology of smooth muscle, mechanism of smooth muscle contraction
- (Lecture Hall 5)
- Biochemistry CBL: Protein folding and misfolding

			Table No. 2 Bat	ch Distribution with Venues an	d Teachers Nan	ne for Problem B	Based Learning (PBL) Sessions	
Sr I	lo. Batches	Roll No	Venue	Teachers	Sr No. Batches	Roll No	Venue	Teachers
1	A1	(01-35)	Lecture Hall no.05	Dr. Sana Latif	6. C2	(176-210)	New Lecture Hall Complex	Dr. Nabiha (PGT Physiology)
			Physiology	(Senior Demonstrator			Lecture Theater # 03	
				Biochemistry)				
2	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Maaria	7. D1	(210-245)	New Lecture Hall Complex	Dr. Jawad (Demonstrator Physiology)
			Anatomy)	(PGT Physiology)			Lecture Theater # 02	
3	B1	(71-105)	Anatomy Museum (First	Dr. Nayab Ramzan	8. D2	(246-280)	New Lecture Hall Complex	Dr. Kashif Ashraf
			Floor Anatomy)	(APWMO Biochemistry)			Lecture Theater # 02	(Demonstrator Anatomy)
4	B2	(106-140)	Lecture Hall no.03 (First	Dr. Zeneara Saqib (Senior	9. E1	(281-315)	Anatomy Museum (First Floor	Dr. Uzma Zafar
			Floor)	Demonstrator of Anatomy)			Anatomy)	(APWMO Biochemistry)
5	C1	(141-175)	Anatomy Museum (First	Dr. Farhat	10 E2	(315 onwards)	Lecture Hall no.04	Dr. Najam
			FloorAnatomy)	(PGT Physiology)				(PGT Physiology)

Table No. 3 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

Table No	o. 4 Batch D	istribution and Venues for An SGDs / Dissections		oup Discussion	Table	No. 5 Bate	ch Distribution and Venue	es for Physiology o	& Biochemistry S	mall Group Discu	ssion SGDs
Batches	Roll No	Subgroup	Anatomy Teacher	Venue	Batches	Roll No	Subgroup	Physiology Teacher	Physiology Venue	Biochemistry Teacher	Biochemistry Venue
A	01- 70	A1: Roll No (1 – 17) A2: Roll No (18 – 34) A3: Roll No (35 – 51) A4: Roll No (52 – 70)	Dr. Zeneara Saqib (Demonstrator)	New Lecture Hall Complex 01 / Anatomy Museum	A	01-70	A1: Roll No (1 – 14) A2: Roll No (15 – 28) A3: Roll No (29 – 42) A4: Roll No (43 – 56) A5: Roll No (57 – 70)	Dr. Sheena Tariq (APWMO)	Physiology Lecture Hall 5	Dr. Uzma Zafar (APWMO)	Basement Lecture Hall No. 2
В	71-140	B1: Roll No (71 – 87) B2: Roll No (88 – 104) B3: Roll No (105 – 121) B4: Roll No (122 – 140)	Dr. Ali Raza (Senior. Demonstrator)	Anatomy Lecture Hall 03	В	71-140	B1: Roll No (71 – 84) B2: Roll No (85 – 98) B3: Roll No (99 – 112) B4: Roll No (113 – 126) B5: Roll No (127 – 140)	Dr. Uzma Kiyani (Senior Demonstrator)	Physiology Lecture Hall 5	Dr. Rahat (APWMO)	Basement Lecture Hall No. 2
С	141-210	C1: Roll No (141 – 157) C2: Roll No (158 – 174) C3: Roll No (175 – 191) C4: Roll No (192 – 210)	Dr. Sajjad Hussain (Senior. Demonstrator)	Anatomy Lecture Hall 04	С	141-210	C1: Roll No (141 – 154) C2: Roll No (155 – 168) C3: Roll No (169 – 182) C4: Roll No (183 – 196) C5: Roll No (197 – 210)	Dr. Farah Shah (Demonstrator)	Physiology Lecture Hall 5	Dr. Almas (APWMO)	Basement Lecture Hall No. 2
D	211- 280	D1: Roll No (211 – 227) D2: Roll No (228 - 244) D3: Roll No (245 – 261) D4: Roll No (262 – 280)	Dr. Tayyaba Qureshi (Assistant Professor)	New Lecture Hall Complex 02	D	211-280	D1: Roll No (211 – 224) D2: Roll No (225 – 238) D3: Roll No (239 – 252) D4: Roll No (253 – 266) D5: Roll No (267 – 280)	Dr. Nazia (Demonstrator)	Physiology Lecture Hall 5	Dr. Sana Latif (Senior Demonstrator)	Basement Lecture Hall No. 2
E	onwards E2: Roll No (298 – 314) E3: Roll No (315 – 331) E4: Roll No (332 – onwards) Bashir (Assistant Professor) Hall Complex 3						E1: Roll No (281 – 294) E2: Roll No (295 – 308) E3: Roll No (309 – 322) E4: Roll No (323 – 336) E5: Roll No (337 – onwards)	Dr. Ali Zain / Dr. Afsheen (P. G Trainee)	Physiology Lecture Hall 5	Dr. Romessa (Demonstrator)	Basement Lecture Hall No. 2
		Supervised by Prof. Dr. Ayes	ha Yousaf				Supervised by Prof. Dr. S	amia Sarwar		Supervised by. I	Or. Aneela Jamil

Time Table for Module MSK-II (Third Week) (07-07-2025 To 12-07-2025)

Date/Day	8:00am – 09:00am	09:00am – 10:00am	10:00am –	10:20am	-U7-2U25 1U 1 :11:20am	,	ım-12:10pm	12:10pm-	12:30pm – 2:00pm	Home Assignment
Date Day	SGD / DISSECTION	COMMUNITY MEDICNE (CHEPI)	10:20am	ANATON			LOGY LGIS	12:30pm	12.50pm - 2.00pm	SDL Physiology
07-07-2025 Monday	Dissection	Nutrition & Healthy Eating Habits		Embryology (Development of Muscles) Prof. Dr Ayesha (Even)	(General Anatomy of Skin) Assoc. Prof. Dr Arsalan (Odd)	Mechanism of smooth muscle contraction & its control DrAneela (Even)	Regulation of myocardial activity Dr. Sidra (Odd)		Practical & SGD/CBL Topics & venue mentioned at the end	Physiologic anatomy, types and properties of Smooth muscle
	SGD / DI	SSECTION	1	BIOCHEMI			LOGY LGIS			
08-07-2025		partment of thigh		Primary protein structure	Protein folding and misfolding	Regulation of myocardial activity	Mechanism of smooth muscle contraction & its control		Practical & SGD/CBL Topics & venue	SDL Physiology Mechanism of
Tuesday		ascular organization	reak	Dr. Rahat (Even)	Dr. Kashif (Odd)	DrSdra (Even)	Dr. Aneela (Odd)	reak	mentioned at the end	smooth muscle contraction & its control
		L ACTIVITY 2 MEDICNE (CHEPI)	P	ANATON	MY LGIS	PHYSIO	LOGY LGIS	В	Practical & SGD/CBL	Biochemistry
09-07-2025 Wednesday	Nutrition & Hea	Nutrition & Healthy Eating Habits		(General Anatomy of Skin)	Embryology (Development of Muscles)	Excitatory &Conducting system ofheart	Comparison of 3 types of muscle		Topics & venue mentioned at the end	Protein misfolding disorders
				Assoc. Prof. Dr Arsalan (Even)	Prof. Dr Ayesha (Odd)	Dr. Fahd (Even)	Dr. Aneela (Odd)			
	SGD/ DISSECTION	PBL 2 (SESSION-I)		JOINT S	ESSION		MISTRY LGIS			Biochemistry
10-07-2025 Thursday	Tibia	PBL Team		Fracture of l	Lower Limb	Protein folding and misfolding	Protein folding and misfolding		Practical & SGD/CBL Topics & venue	Protein Denatureration
Thursday	Hola			Anatomy, Radiolo Patho		Dr. Kashif (Even)	Dr. Rahat (Odd)		mentioned at the end	
11-07-2025 Friday				Earl	y Clinical Exposui	re (ECE)				SDL Anatomy Sciatica Trochanteric Bursitis Hip Dislocations
	CBL / DI	SSECTION	B	BIOCHEMI			LOGY LGIS			SDL Anatomy
12-07-2025			a)	Protein separation	Secondary protein	Comparison of 3	Excitatory & Conducting	e a	Practical & SGD/CBL	Hamstring Muscle
Saturday	Hip joint / H	ip Dislocations	r A	techniques	structure	types of muscle	system of heart	ľ	Topics & venue mentioned at the end	Tear/Strain Deep Vein
		Hip joint / Hip Distocations		Dr. Kashif (Even)	Dr. Rahat (Odd)	Dr. Aneela (Even)	Dr. Fahd (Odd)	y B	mentioned at the end	Thrombosis (DVT)

				Table	No. 1 ((Time: 12:3	30pm –	02:00pm)								
Batc	n Distrib	ution for	Topics for Skill Lab with Venue					Sch	1edu l	le for Pra	ctical					
Prac	icalSkill	Anatomy Histology Practical:	Day	Hi	stology	Bioc	nemistry Practi	ical	Physiolo	gy Practical		Physio	logy SGD	Bioch	emistry SGD	
CBL	CBL / Small Group Thick Skin (Dr. Kashif)				Pr	actical										
II I	Discussion(Biochemistry • Physiology Practical:				Batch	Teacher	Batch	Teacher		Batch	Teacher	Q	Batch	Teacher	Batch	Teacher
and l	and Physiology) Determination of platelet count					Name		Name	Q		Name	HOD		Name		Name
Sr. N	Batch	Roll No.	• Biochemistry Practical: Fractional	Monday	C	Ð	В	Dr. Rahat	НОБ	E	Dr. Ali /Dr.	y J	A	Dr. Sheena	D	Dr. Uzma
			precipitation of proteins			НОО			by]		Afsheen	1 p				Zafar
1.	A	01-70		Tuesday	D	by I	C	Dr. Almas	q	A	Dr. Sheena	/ise	В	Dr. Uzma	E	Dr. Romessa
2.	В	71-140		Wednesday	E	d b	D	Dr. Uzma	ise	В	Dr. Uzma	erv	C	Dr. Farah	A	Dr. Sana Latif
3.	3. C 141-210			Thursday	В	/ise	\mathbf{A}	Dr. Sana Latif	er	D	Dr. Nazia	Super	\mathbf{E}	Dr. Ali/Dr.	C	Dr. Almas
			erv			dn.			<i>O</i> 1		Afsheen	_				
4.	D	211-280		Saturday	7 1 1 2 1		\mathbf{E}	Dr. Romessa	S	C	Dr. Farah		D	Dr. Nazia	В	Dr. Rahat
5.	5. E 281-onwards				S											

Topics for SGDs / CBL with Venue

- Physiology SGD: Properties of myocardium, myocardial action potential, Excitatory and conduction system of heart (Physiology Lecture 05)
- Biochemistry SGD: Collagen
- Anatomy CBL: Hip Dislocation

Table No. 2 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions Venue Sr No. Batches Venue **Teachers** Sr No. Batches Roll No Roll No **Teachers** Lecture Hall no.05 Dr. Sana Latif New Lecture Hall Complex Dr. Nabiha (PGT Physiology) (01-35)C2(176-210)**A1** 6. (Senior Demonstrator Lecture Theater # 03 Physiology Biochemistry) Lecture Hall #.04 (1st Floor | Dr. Maaria New Lecture Hall Complex Dr. Jawad (Demonstrator Physiology) **A2** (36-70)7. (210-245)**D**1 (PGT Physiology) Lecture Theater # 02 Anatomy) (71-105)Anatomy Museum (First Dr. Nayab Ramzan (246-280)New Lecture Hall Complex Dr. Kashif Ashraf **B1** 8. **D2** (Demonstrator Anatomy) Floor Anatomy) (APWMO Biochemistry) Lecture Theater # 02 **B2** (106-140) Lecture Hall no.03 (First Dr. Zeneara Sagib (Senior (281-315)Anatomy Museum (First Floor Dr. Uzma Zafar 4. 9. $\mathbf{E1}$ Demonstrator of Anatomy) (APWMO Biochemistry) Anatomy) Floor) (141-175) Anatomy Museum (First Lecture Hall no.04 Dr. Najam **C1** Dr. Farhat $\mathbf{E2}$ (315 onwards) 5. 10 FloorAnatomy) (PGT Physiology) (PGT Physiology)

Table No. 3 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

Batches A	Roll No	SGDs / Dissections Subgroup									
A	01.70		Anatomy Teacher	Venue	Batches	Roll No	Subgroup	Physiology Teacher	Physiology Venue	Biochemistry Teacher	Biochemistry Venue
	01- 70	A1: Roll No (1 – 17) A2: Roll No (18 – 34) A3: Roll No (35 – 51) A4: Roll No (52 – 70)	Dr. Zeneara Saqib (Demonstrator)	New Lecture Hall Complex 01 / Anatomy Museum	A	01-70	A1: Roll No (1 – 14) A2: Roll No (15 – 28) A3: Roll No (29 – 42) A4: Roll No (43 – 56) A5: Roll No (57 – 70)	Dr. Sheena Tariq (APWMO)	Physiology Lecture Hall 5	Dr. Uzma Zafar (APWMO)	Basement Lecture Hall No. 2
В	71-140	B1: Roll No (71 – 87) B2: Roll No (88 – 104) B3: Roll No (105 – 121) B4: Roll No (122 – 140)	Dr. Ali Raza (Senior. Demonstrator)	Anatomy Lecture Hall 03	В	71-140	B1: Roll No (71 – 84) B2: Roll No (85 – 98) B3: Roll No (99 – 112) B4: Roll No (113 – 126) B5: Roll No (127 – 140)	Dr. Uzma Kiyani (Senior Demonstrator)	Physiology Lecture Hall 5	Dr. Rahat (APWMO)	Basement Lecture Hall No. 2
С	141-210	C1: Roll No (141 – 157) C2: Roll No (158 – 174) C3: Roll No (175 – 191) C4: Roll No (192 – 210)	Dr. Sajjad Hussain (Senior. Demonstrator)	Anatomy Lecture Hall 04	С	141-210	C1: Roll No (141 – 154) C2: Roll No (155 – 168) C3: Roll No (169 – 182) C4: Roll No (183 – 196) C5: Roll No (197 – 210)	Dr. Farah Shah (Demonstrator)	Physiology Lecture Hall 5	Dr. Almas (APWMO)	Basement Lecture Hall No. 2
D	211- 280	D1: Roll No (211 – 227) D2: Roll No (228 - 244) D3: Roll No (245 – 261) D4: Roll No (262 – 280)	Dr. Tayyaba Qureshi (Assistant Professor)	New Lecture Hall Complex 02	D	211-280	D1: Roll No (211 – 224) D2: Roll No (225 – 238) D3: Roll No (239 – 252) D4: Roll No (253 – 266) D5: Roll No (267 – 280)	Dr. Nazia (Demonstrator)	Physiology Lecture Hall 5	Dr. Sana Latif (Senior Demonstrator)	Basement Lecture Hall No. 2
E	E 281- onwards E1: Roll No (281 – 297) Onwards E2: Roll No (298 – 314) E3: Roll No (315 – 331) E4: Roll No (332 – onwards) Supervised by Prof. Dr. Ayesha Yousaf					281- onwards	E1: Roll No (281 – 294) E2: Roll No (295 – 308) E3: Roll No (309 – 322) E4: Roll No (323 – 336) E5: Roll No (337 – onwards) Supervised by Prof. Dr. S	Dr. Ali Zain / Dr. Afsheen (P. G Trainee)	Physiology Lecture Hall 5	Dr. Romessa (Demonstrator)	Basement Lecture Hall No. 2

Time Table for Module MSK-II (Fourth Week) (14-07-2025 To 19-07-2025)

Date/Day	8:00 am – 10:10 am	10:10am – 10:30am	10:30	am-11:20am	11:20am-1	2:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
14-07-2025 Monday	SGD / DISSECTION Fibula		Protein folding & denaturation Dr. Aneela / Dr. Uzma (Even)	MISTRY LGIS Tertiary and quaternary structure Dr. Rahat (Odd)	BEHAVIORAL Rights and responsations and patients and Dr. Sadia Yasir (Odd)	onsibilities of		Practical & SGD/CBL Topics & venue mentioned at the end	SDL Physiology Regulation of Myocardial Activity
15-07-2025 Tuesday	SGD / DISSECTION Popliteal Fossae / Knee joint	e a k		MEDICNE (CHEPI) Hygiene	Tertiary and quaternary structure Dr. Rahat (Even)	Protein denaturation Dr. Aneela	a k	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Physiology Excitatory & Conducting system of heart Comparison of 3 types
16-07-2025 Wednesday	PRACTICAL ACTIVITY 3 COMMUNITY MEDICNE (CHEPI) Eye Hygiene	Bre	Physi	cal Activity	FAMILY M Communication and consumer Medicine I Dr. Sadia Azam Khan	ıltation skills in Family	Bre	Practical & SGD/CBL Topics & venue mentioned at the end	of muscle SDL Biochemistry Importance of various classes of protein
17-07-2025 Thursday	SGD / DISSECTION Anterior compartment of leg (muscles and neurovascular organization)			MEDICNE (CHEPI) l Hygiene	PBL 2 (SES	·		Practical & SGD/CBL Topics & venue mentioned at the end	SDL Biochemistry Elastin and related disorders
Date/ Day 18-07-2025 Friday	8:00 AM – 09:00 AM SGD / DISSECTION Lateral compartment of leg (muscles and neurovascular organization)		AM – 10:00 AM PRACTICAL AC COMMUNITY MEDI Oral Hygie	CNE (CHEPI)	11:00 AM –	12:00 PM		SDL Anatomy Osteoarthritis of Hip Dislocations (Posterior i Developmental Dysplasia o	Hip more common)
	SGD / DISSECTION Cross Sectional Anatomy / Radiology		Psycholo	gical relation in ient relationship				Practical & SGD/CBL	SDL Anatomy Tibial Shaft Fracture Shin Splints (Medial Tibial Stress Syndrome) Stress Fractures of
19-07-2025 Saturday		Break	Dr. Mehboob Ali Shah (Odd)	Dr. Mehmood Ali (Even)			Break	Topics & venue mentioned at the end	Tibia / Fibular Fractures (commonly with ankle injuries) Common Peroneal Nerve Injury at Neck of Fibula (foot drop) Fibular Graft Harvest End Of Module Online Clinical Evalution

				Table	No. 1 (Time: 12:3	30pm –	02:00pm)								
Batch	Distribu	tion for	Topics for Skill Lab with Venue				_	Sche	edule	e for Pra	ctical					
Pract	PracticalSkills (all subjects) • Anatomy Histology Practical:			Day	Hi	Biochemistry Practical			Physiolo	gy Practical		Physio	logy SGD	Bioch	emistry SGD	
CBL	Small C	Group	Thick Skin (Dr. Kashif)		Pr	actical										
	,	ochemistry	• Physiology Practical:		Batch	Teacher	Batch	Teacher		Batch	Teacher	Q	Batch	Teacher	Batch	Teacher
and P	hysiolog	y)	Determination of ABO, Blood			Name		Name	a L		Name	HOD		Name		Name
Sr. No	Batch	Roll No.	groups	Monday	C	Ð	В	Dr. Rahat	HOD	${f E}$	Dr. Ali /Dr.	by I	A	Dr. Sheena	D	Dr. Uzma
			• Biochemistry Practical:			НОБ		l :	by		Afsheen	d L				Zafar
1.	A	01-70	Chromatography	Tuesday	D	by I	C	Dr. Almas	7	A	Dr. Sheena	/ise	В	Dr. Uzma	E	Dr. Romessa
2.	В	71-140		Wednesday	E	d b	D	Dr. Uzma	71Se	В	Dr. Uzma	erv	C	Dr. Farah	A	Dr. Sana Latif
3.	C	141-210		Thursday	В	₇ ise	A	Dr. Sana Latif	er	D	Dr. Nazia	Super	\mathbf{E}	Dr. Ali/Dr.	C	Dr. Almas
						er.			dn			<i>O</i> 1		Afsheen		
4.	D	211-280		Saturday	A	odn	\mathbf{E}	Dr. Romessa	\sim	C	Dr. Farah		D	Dr. Nazia	В	Dr. Rahat
5.	E	281-onwards				S										

Topics for SGDs / CBL with Venue

- Physiology SGD: Comparison of three types of muscle (Physiology Lecture 05)
- Biochemistry CBL: Alpha-1 Antitrypsin Deficiency

			Table No. 2 Bat	ch Distribution with Venues an	d Teac	hers Nam	ne for Problem B	ased Learning (PBL) Sessions	
Sr N	o. Batches	Roll No	Venue	Teachers	Sr No.	Batches	Roll No	Venue	Teachers
1.	A1	(01-35)	Lecture Hall no.05	Dr. Sana Latif	6.	C2	(176-210)	New Lecture Hall Complex	Dr. Nabiha (PGT Physiology)
			Physiology	(Senior Demonstrator				Lecture Theater # 03	
				Biochemistry)					
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Maaria	7.	D 1	(210-245)	New Lecture Hall Complex	Dr. Jawad (Demonstrator Physiology)
			Anatomy)	(PGT Physiology)				Lecture Theater # 02	
3.	B 1	(71-105)	Anatomy Museum (First	Dr. Nayab Ramzan	8.	D2	(246-280)	New Lecture Hall Complex	Dr. Kashif Ashraf
			Floor Anatomy)	(APWMO Biochemistry)				Lecture Theater # 02	(Demonstrator Anatomy)
4.	B2	(106-140)	Lecture Hall no.03 (First	Dr. Zeneara Saqib (Senior	9.	E 1	(281-315)	Anatomy Museum (First Floor	Dr. Uzma Zafar
			Floor)	Demonstrator of Anatomy)				Anatomy)	(APWMO Biochemistry)
5.	C1	(141-175)	Anatomy Museum (First	Dr. Farhat	10	E2	(315 onwards)	Lecture Hall no.04	Dr. Najam
			FloorAnatomy)	(PGT Physiology)					(PGT Physiology)

Table No. 3 Venues for Large Group Interactive Session (LGIS)

	0		
Odd Roll Numbers	New Lecture Hal	l Complex Lecture	Theater # 03
Even Roll Number	New Lecture Hal	l Complex Lecture	Theater # 02

Table No. 4 Batch Distribution and Venues for Anatomy Small Group Discussion SGDs / Dissections			Table No. 5 Batch Distribution and Venues for Physiology & Biochemistry Small Group Discussion SGDs								
Batches	Roll No	Subgroup	Anatomy Teacher	Venue	Batches	Roll No	Subgroup	Physiology Teacher	Physiology Venue	Biochemistry Teacher	Biochemistry Venue
A	01- 70	A1: Roll No (1 – 17) A2: Roll No (18 – 34) A3: Roll No (35 – 51) A4: Roll No (52 – 70)	Dr. Zeneara Saqib (Demonstrator)	New Lecture Hall Complex 01 / Anatomy Museum	A	01-70	A1: Roll No (1 – 14) A2: Roll No (15 – 28) A3: Roll No (29 – 42) A4: Roll No (43 – 56) A5: Roll No (57 – 70)	Dr. Sheena Tariq (APWMO)	Physiology Lecture Hall 5	Dr. Uzma Zafar (APWMO)	Basement Lecture Hall No. 2
В	71-140	B1: Roll No (71 – 87) B2: Roll No (88 – 104) B3: Roll No (105 – 121) B4: Roll No (122 – 140)	Dr. Ali Raza (Senior. Demonstrator)	Anatomy Lecture Hall 03	В	71-140	B1: Roll No (71 – 84) B2: Roll No (85 – 98) B3: Roll No (99 – 112) B4: Roll No (113 – 126) B5: Roll No (127 – 140)	Dr. Uzma Kiyani (Senior Demonstrator)	Physiology Lecture Hall 5	Dr. Rahat (APWMO)	Basement Lecture Hall No. 2
С	141-210	C1: Roll No (141 – 157) C2: Roll No (158 – 174) C3: Roll No (175 – 191) C4: Roll No (192 – 210)	Dr. Sajjad Hussain (Senior. Demonstrator)	Anatomy Lecture Hall 04	С	141-210	C1: Roll No (141 – 154) C2: Roll No (155 – 168) C3: Roll No (169 – 182) C4: Roll No (183 – 196) C5: Roll No (197 – 210)	Dr. Farah Shah (Demonstrator)	Physiology Lecture Hall 5	Dr. Almas (APWMO)	Basement Lecture Hall No. 2
D	211- 280	D1: Roll No (211 – 227) D2: Roll No (228 - 244) D3: Roll No (245 – 261) D4: Roll No (262 – 280)	Dr. Tayyaba Qureshi (Assistant Professor)	New Lecture Hall Complex 02	D	211-280	D1: Roll No (211 – 224) D2: Roll No (225 – 238) D3: Roll No (239 – 252) D4: Roll No (253 – 266) D5: Roll No (267 – 280)	Dr. Nazia (Demonstrator)	Physiology Lecture Hall 5	Dr. Sana Latif (Senior Demonstrator)	Basement Lecture Hall No. 2
E	281- onwards	E1: Roll No (281 – 297) E2: Roll No (298 – 314) E3: Roll No (315 – 331) E4: Roll No (332 – onwards)	Dr. Sumyyia Bashir (Assistant Professor)	New Lecture Hall Complex 3	Е	281- onwards	E1: Roll No (281 – 294) E2: Roll No (295 – 308) E3: Roll No (309 – 322) E4: Roll No (323 – 336) E5: Roll No (337 – onwards)	Dr. Ali Zain / Dr. Afsheen (P. G Trainee)	Physiology Lecture Hall 5	Dr. Romessa (Demonstrator)	Basement Lecture Hall No. 2
	Supervised by Prof. Dr. Ayesha Yousaf			Supervised by Prof. Dr. Samia Sarwar			Supervised by. Dr. Aneela Jamil				

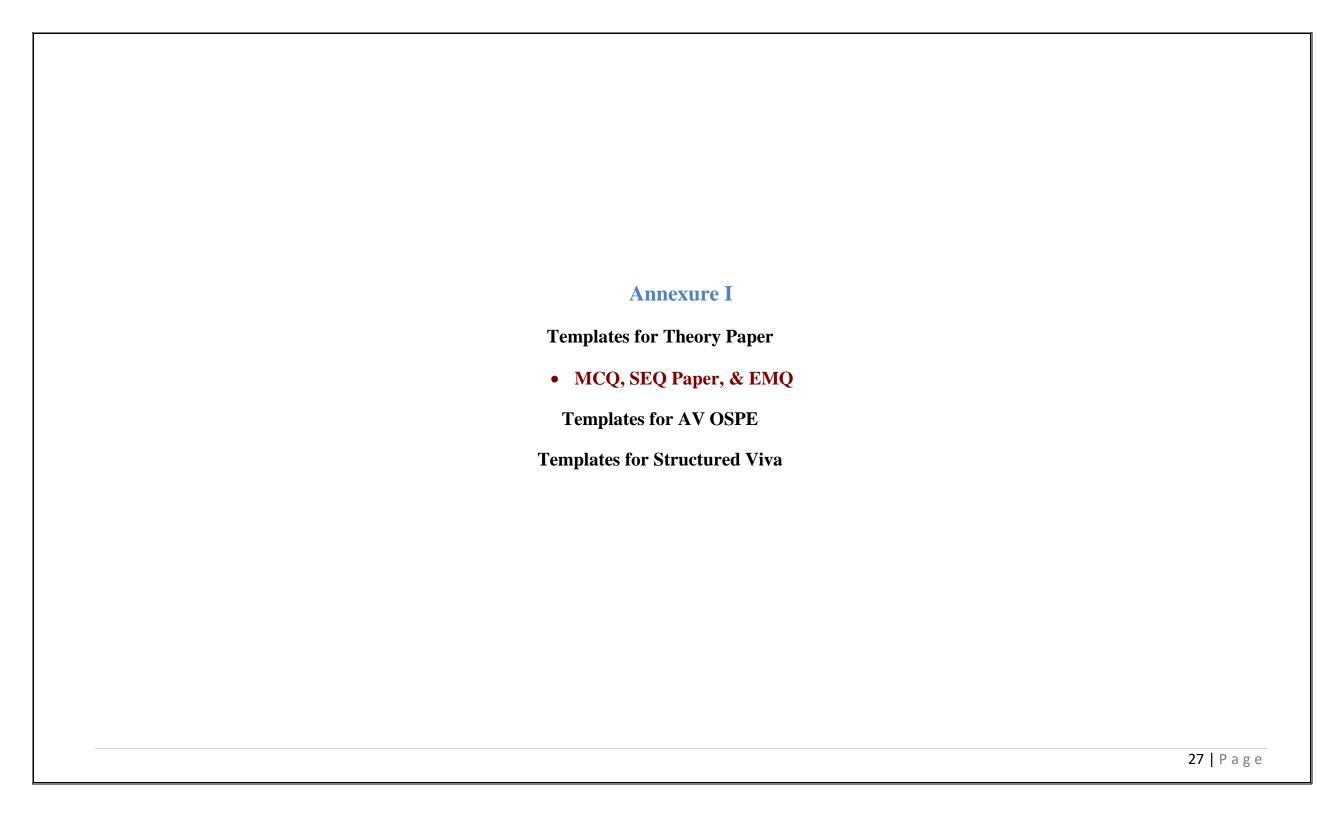
Schedule for LMS Based Weekly Online Assessments for First Year MBBS (Musculoskeletal-II Module)

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 30 th June,2025	7:00 pm-7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 01st July,2025	7:00 pm-7:30pm	Prof. Dr Samia Sarwar	Physiology
First Year	MSK-II 02 nd July ,20 Monday 07 th July ,20 Tuesday	Wednesday 02 nd July ,2025	7:00 pm-7:30pm	Dr Aneela Jamil	Biochemistry
MBBS		Monday 07 th July,2025	7:00 pm-7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 08 th July,2025	7:00 pm-7:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 09 th July,2025	7:00 pm-7:30pm	Dr Aneela Jamil	Biochemistry

Assessment Week (21-07-2025 To 26-07-2025)

Date & Day	Tentative Schedule
21-07-2025 Monday	
22-07-2025	
Tuesday 23-07-2025	
Wednesday	Assessment Week
24-07-2025	
Thursday	
25-07-2025	
Friday	
26-07-2025	
Saturday	



Rawalpindi Medical University Rawalpindi

Department of Anatomy, Physiology & Biochemistry

MCQs & EMQ Paper for _____ Module, First Year MBBS Batch 52 Date: 00-00-0000

Total Marks: 30 (MCQs: 25, EMQ: 5)	Roll No
Total Time: 30 Minutes	Name
Each MCQ carries 1 mark and EMQ carries 5 marks	

Encircle the single best response

	Energie dest resp	1
Q. #	Integrated & Clinically Oriented Assessment of the Subject Anatomy, Physiology & Biochemistry	Level of
	Section A: Core Knowledge of Anatomy / Physiology / Biochemistry (70%)	Cognition
1.	Question	C1
	a	
	b	
	c	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	
	Section – B: Integrations (30%)	
	Horizontal Integration Anatomy / Physiology / Biochemistry (5%)	
2.	Horizontal Integration with Anatomy (2.5%)	C1
	Questions	
	a	
	b	
	C	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	
	Vertical Integration with Medicine / Surgery / Gynae Obs etc (15%)	-
3.	Question	C3
	a	
	b	
	C	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25th Edition Page No. 101	
	Spiral Integration (10%)	
	Medical Bioethics	

4.	Question	C2
	a	
	b	
	c	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	
	Family Medicine	
5.	Question	
	a	
	b	
	c	
	d	
	e	
	USMLE: Type Question Reference: Ganong 25 th Edition Page No. 101	

Rawalpindi Medical University Rawalpindi Department of Anatomy, Physiology & Biochemistry

SEQ & SAQ Paper for	Module,	_ Year MBBS Batch	
	Date: 00-00-0000		

Total Marks: 70 Time allowed: 1 hour & 30 minutes
Each SAQ carries 5 marks Each SAQ: 5 minutes, SEQ: 10 minutes
Each SEQ carries 9 marks

Attempt all Questions

Int	egrated & Clinically Oriented Assessment of the Subjection		nv. Physic	logy & Rioche	emistry			
	Domain			rcentage	omiser y			
	Core Knowledge (CK) of Anatomy/Physiology Biochemistry			(70%)				
•	Integration			(30%)				
	Horizontal Integration (HI)			(05%)				
	Vertical Integration (VI)			(15%)				
	o Spiral Integration (SI)			(10%)				
Q.#	Construct your Answers according to the given Scenarios and Questions	Domain	Domain Marks % Le					
Scenarios and Questions Weightage Cognition Short Answer Questions (SAQs) Total Marks: 25 (Each SAQ carries marks)								
	A 55 years Male, known case of Coronary Artery Disease, presented to	CK & VI						
SAQ 1	a	СК	2	8%	C2			
	b	CK	2	12%	C2			
	C	СК	2	8%	C2			
	d	СК	2	12%	C2			

e				
USMLE Question. References: Part a: Guyton & Hall 14 th Edition page # 114	CK	1	8%	C2
Part b: Guyton & Hall 14th Edition Page # 116				

Q.#	Construct your Answers according to the given Scenarios and Questions	Domain	Marks	% Weightage	Level of Cognition
	Short Essay Question (SEQs) T	otal Marks:	45	, vergrieuge	Cognition
	A 55 years Male, known case of Coronary Artery Disease, presented to	CK & VI			
SEQ 1	a	HI with Anatomy	2	6.66%	C2
	b	CK	3	6.66%	C2
	C	СК	2	6.66%	C2
	d	СК	1	6.66%	C2
	e	СК	1	6.66%	C2

Rawalpindi Medical University Rawalpindi Department of Anatomy / Physiology / Biochemistry

isal Objective Structured Practical Examination (OSPE)
Module 2025
Year MBBS (Batch)
10 AV OSPE Slides
Time Allowed: 50 minutes
05 minutes for each slide
Additional Director Assessment
Rawalpindi Medical University
Rawalpindi
i

Director DME

Rawalpindi Medical University Rawalpindi

> Vice Chancellor Rawalpindi Medical University Rawalpindi

Slide 1

Core Knowledge with Horizontal / Vertical / Spiral Integration

Topic:

Teaching Strategy:

Requirements: Answer sheet, Pen

Objective: _____



1.		(01)
2.		(01)
3.		(01)
4.		(01)
		(01)
	Slide 1	
	Key for Examiner	
1.		
2.		
3.		
4.		

Department of Anatomy

MSK-I Module (Structured Viva)

Date: Time: 8:00-2:00pm Roll no: 181 onwards

Roll no.	Osteology of upper limb (radius, ulna,bones of hand) and clinicals (10)	Arthrology of upper limb (shoulder, elbow,radioulnar and small joints of hand) with clinicals (05)	Flexor and extensor compartments of arm with clinicals (C1-C3) (10)	Flexor and extensor compartments of forearm with clinicals (C1-C3) (05)	Palm and dorsum of hand with retinuclae and clinicals (C1-C3) (5)	Surface marking (skill) (05)	Soft tissue spotting (skill) (05)	Gross sketch copy (skill) (02)	Professionalism (PCD) (03)	Total marks (50)
					_					

Examiner	
Sign	
Stamp	

*Objective Structured Practical Examination (OSPE) will be held in end of block assessment.

Department of Physiology MSK-I Module (Structured Viva)

ULE:	DATE:		TEACHER NAME: _			SIGNATURE	
Roll No.	Students Name	Definition/ Enlist/Enumerate	Physiological/ Pathophysiological Mechanism	Related Diseases/ Diagnostic Parameters/ Management / Treatment Guidelines	Additional Domains of knowledge to be Assessed Family Medicine /Preventive Medicine Artificial Intelligence) Counseling Prevention Social Impact Psychosocial impact Community Implication Prevalence / algorithms	Professionalism & Behavior Components; Appropriate dressing & white coat College ID cardwith picture Behavior Level of Confidence/ Non verbal Body language Communication Skills Language of Communication Volume of Voice Clarity & fluency of speech Understanding of questions	Total marks obtained out of 25
		(5Marks)	(8 Marks)	C3 (6 Marks)	(2 Marks)	A3 (4 Marks)	
	Roll	Roll Students Name	Roll No. Students Name Definition/ Enlist/Enumerate	Roll No. Students Name Definition/ Enlist/Enumerate Physiological/ Pathophysiological Mechanism Q=1 Q=2 C1 C2	Roll Students Name Definition/ Enlist/Enumerate Physiological/ Pathophysiological Mechanism Diagnostic Parameters/ Management / Treatment Guidelines Q=1 Q=2 Q=3 C1 C2 C3	Roll Students Name Definition Enlist/Enumerate Physiological Pathophysiological Mechanism Physiological Diagnostic Parameters Additional Domains of knowledge to be Assessed Assessed	Roll Students Name Definition Physiological Pathophysiological Mechanism Diagnostic Parameters Management / Treatment Guidelines Professionalism & Behavior Components; Appropriate dressing & white coat College ID cardwith picture Behavior Communication Evel of Confidence / Non verbal Body language Communication College ID cardwith picture Behavior Communication Evel of Confidence / Non verbal Body language Communication Volume of voice Clarity & fluency of speech Understanding of questions Prioritizing the answers A3

^{*}Objective Structured Practical Examination (OSPE) will be held in end of block assessment.

Department of Biochemistry MSK-I Module (Structured Viva)

Date: Time: Teacher's Name

Roll No.	Classification/ Definition/ Enumerate (C1) (05 Marks)	Metabolic role/ Mechanism of action/ Physiological mechanism (C2) (08 Marks)	Related clinical disorders/ Pathogenesis (C3) (06 Marks)	Additional domains of Knowledge to be assessed Family Medicine, Artificial Intelligence, Ethics and Research (C1, C2, C3) (02 Marks)	Professionalism & Behavior (A3) (04 Marks)	Total marks (25)

 $[{]m *Objective}$ Structured Practical Examination (OSPE) will be held in end of block assessment.

Rawalpindi Medical University 1st Year MBBS Model MCQS (USMLE Format)

1.	A 52-years-old woman fell after slipping and was unable to extend her leg at the knee joint. Which of the following muscles were most likely to be damaged as a result of this accident? A) Semitendinosus B) Sartorius C) Gracilis D) Quadriceps femoris E) Biceps femoris	Anatomy
2.	A 24-year-old woman presents to the clinic with generalized muscle weakness and fatigue. She reports difficulty climbing stairs and has noticed her symptoms worsening over the past few weeks. Laboratory tests show normal serum creatine kinase (CK) levels. The patient is subsequently diagnosed with a condition affecting the actin-myosin interaction in muscle contraction. The process of attachment and detachment of the myosin head from the actin filament is regulated by a chemical change in specific protein chains. Which of the following modifications to regulatory protein chains is most responsible for the cycling of myosin attachment and detachment in muscle contraction? A) Phosphorylation B) Hydroxylation C) Oxidation D) Methylation E) Carboxylation	Physiology
3.	A 30-year-old man presents to the emergency department after experiencing severe fatigue and shortness of breath. Blood tests reveal low hemoglobin levels, and further investigation suggests a deficiency in oxygen-carrying proteins. The physician notes that one of the proteins involved in this patient's condition acts as both a chromoprotein and a metalloprotein, helping in the transport and storage of oxygen. Which of the following proteins functions as both a chromoprotein and a metalloprotein? A) Ferritin B) Albumin C) Myoglobin D) Hemoglobin E) Transferrin	Biochemistry

Rawalpindi Medical University 1st Year MBBS Model SEQs & SAQs (USMLE Format)

Q1. A patient walked in OPD with waddling gait. On examination his pelvis tilted towards unsupported side when he was asked to raise his leg.	
1. Which nerve is damaged? 1)	
2. Enlist muscles that are damaged. (1)	
3. Explain the mechanism behind this clinical condition. (2)	
4. What is the clinical name for the gait observed in this patient? (0.5)	Anatomy
5. Which clinical test would most likely confirm the diagnosis in this patient? (0.5)	•
Q2. A young male athlete was fond of going to gym for body building. He was using energy drinks and special protein supplements to increase his muscle	
endurance. He was mainly interested in power lifting exercises.	
1. Which type of skeletal muscle contraction he was doing predominantly?	
2. Name the type of skeletal muscle fibers involved in causing this type of contraction.	
3. Differentiate between the two types of skeletal muscle fibers.	Physiology
4. How does the use of energy drinks and protein supplements help an athlete during powerlifting exercises?	Thysiology
5. What is the primary metabolic pathway utilized by Type IIb muscle fibers during powerlifting?	
Q3. A 40-year-old woman with minimal sunlight exposure, a poor diet, and symptoms of fatigue, bone pain, muscle weakness, and low light vision difficulty	
presents to the clinic. Blood tests reveal low serum calcium and low vitamin D levels.	
1. What is the most likely diagnosis?	- · ·
2. What is the biological function of Vitamin D?	Biochemistry
3. What is the appropriate treatment for Vitamin D deficiency?	
4. What is the role of Vitamin A in the visual cycle?	
5. What is the most likely cause of her night blindness?	

Sample Paper of EMQ

Theme: Diagnosis of Musculoskeletal Disorders

Directions:

For each case scenario below, select the most appropriate diagnosis from the list of options provided.

Options:

- A. Rheumatoid Arthritis
- B. Osteoarthritis
- C. Gout
- D. Fibromyalgia
- E. Osteoporosis
- F. Tendonitis
- G. Bursitis
- H. Fracture
- I. Scoliosis
- J. Muscular Dystrophy

Case Scenarios:

- Case 1: A 55-year-old woman presents with pain and stiffness in her hands, especially in the mornings. The stiffness usually lasts for about an hour. On examination, there is noticeable swelling in the finger joints.
- Case 2: A 65-year-old male reports severe pain in the big toe, which appeared suddenly overnight. The toe is red, swollen, and extremely tender on examination.
- Case 3: A 70-year-old female has been experiencing back pain. Recent bone density scans show significantly reduced bone mass, making her susceptible to fractures.
- Case 4: A 30-year-old male presents with pain in the shoulder that worsens when lifting objects overhead. There is tenderness on palpation over the shoulder joint.
- Case 5: A 45-year-old woman complains of widespread body pain, including muscle aches, fatigue, and problems with sleep. She mentions that these symptoms have been persistent for months.

Rawalpindi Medical University 1st Year MBBS Model AV OSPE

Slide 1 / Video

Core Knowledge with Horizontal / Vertical / Spiral Integration

Topic: Congenital Talipes Equino Varus (Clubfoot)

Teaching Strategy: Small Group Discussion

Requirements: Answer sheet, Pen

Objective: To Assess the Knowledge of Students Regarding Congenital Talipes Equino Varus (Clubfoot)



1.	What is the name of the deformity shown in the video?	(1
2.	Mention any two visible abnormalities you observed in the shape or position of the foot.	(1
3.	Which bones are most commonly misaligned in this deformity?	(1
4.	How does the position of the foot in CTEV differ from that of a normal foot in terms of alignment?	(1
5.	What is the most likely consequence if this deformity is not treated early?	(1

Rawalpindi Medical University 1st Year MBBS OSPE (Block-I)

Obse	erved	Station	

Marks: 05 Time Allowed: 03 Minutes

Subject: Biochemistry

Topic assessed: Plasma Protein

Requirements: Urine sample from the patient, Burette, Dilute acetic acid solution, Ethanol (95%), Test tube and rack Pipette

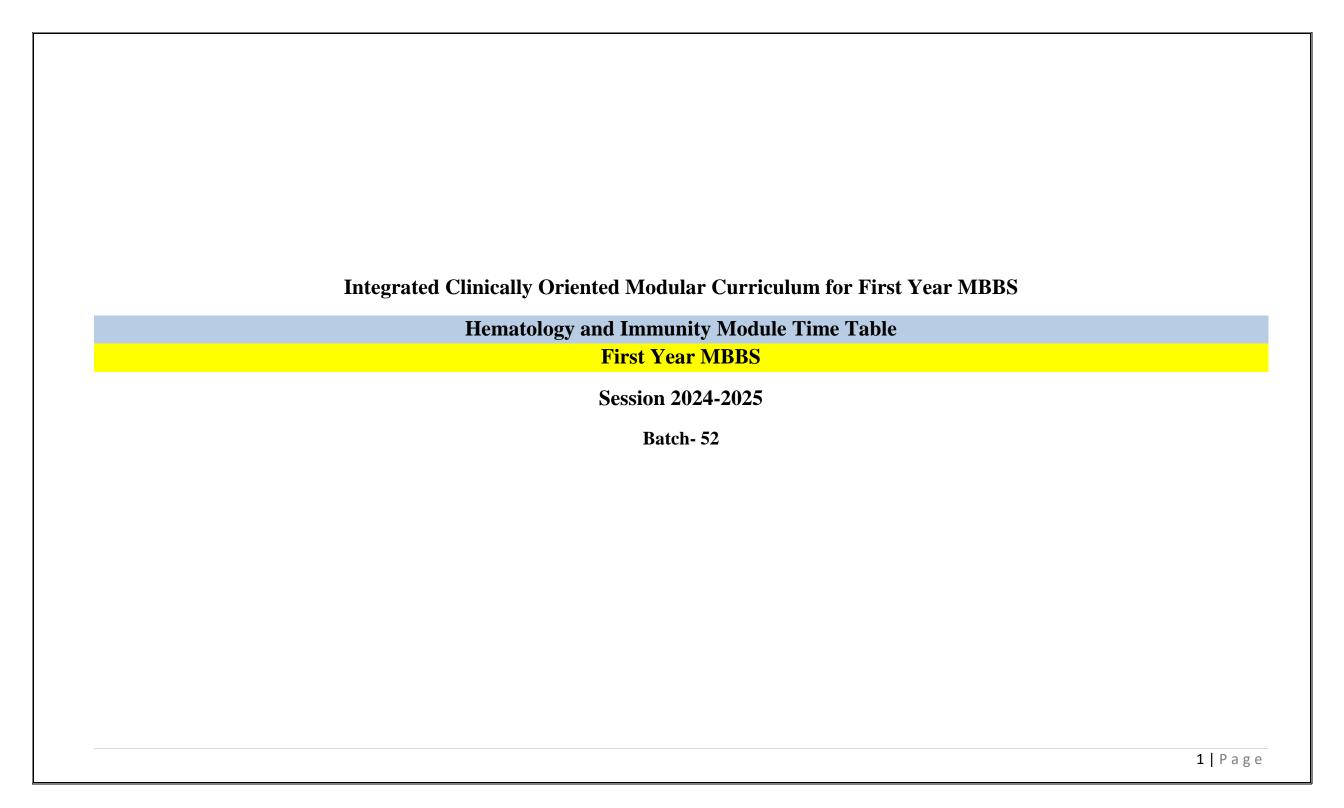
White paper for background contrast Objective: To Perform Burette Test

For Candidate:	Learning domain	Marks
You are in a clinical laboratory setting, and a 45-year-	Psychomotor (C1)	5 Marks
old female patient has been admitted with suspected		
nephrotic syndrome. The attending physician has		
requested a quick screening test to check for the		
presence of albumin in her urine.		
Perform the Burette Test on a urine sample to detect		
albumin.		

Key Station		

Requirements: Urine sample from the patient, Burette, Dilute acetic acid solution, Ethanol (95%), Test tube and rack Pipette White paper for background contrast

Q1	Answer	Marks
1	Transfer 5 mL of the urine sample into a clean test tube.	1
2	Add 2-3 drops of dilute acetic acid to acidify the sample.	1
3	Slowly add ethanol (95%) dropwise along the side of the test tube.	1
4	Observe the interface for the formation of a milky white precipitate.	1
5	Interpret a positive result as the presence of albumin if precipitate forms.	1



Hematology and Immunity Module Team

Module Name : Hematology and Immunity Module

Duration of module : 05 Weeks
Coordinator : Dr. Rahat

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

Module Committee			Module 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	Asso. Prof. Dr. Mohtashim Hina				
	MBBS					
7.	Focal Person Physiology	Dr. Sidra Hamid		1	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	Lower Limb • 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	 Fate of RBCs & Jau Types of immunity, Physiology of acqui Physiology of acqui Composition of bloc WBCs classification Platelet formation & Blood coagulation Concept of intravasce thrombocytopenia) Thromboembolic coof blood clotting out Physiological mecha Role of Hypothalam Disorders of tempera ABO & Rh Blood gr Rh Blood grouping s Blood transfusion ha Tissue and organ train 	noglobinopathies, Iros SR & Red cell indice Physiology of innatored immunity B-Cell red immunity T-Cell od & Hemopoiesis & formation. Neutral function. hemostasis cular anticoagulants andition (DVT, Pulmuside the body) anism of temperature regulation (Few rouping system system and Erythrobazards	on Metabolism es, Anemia & polycythe e immunity tolerance & els es. Allergy and Hyperser cophils, Eosinophils & B es, blood coagulation tes and bleeding disorders (conary Embolism, DIC) eregulation gulation er, Heat stroke, Exposu	auto immunity Institutity reactions, A Basophils and their protest (BT, CT, PT, APT) Wit K deficiency, he Anticoagulant therap	emophilia and by (Heparin, warfarin, Prevention
	Biochemistry	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
	Spiral Courses • Activity I
• Bioethics & Professionalism	Activity I Activity II
	Activity 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
Sjilac & Oob	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 Hours
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 C	BL 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 		1. Determination of Rh blood group 2. Determination of Clotting time (CT) 3. Determination of Bleeding time (BT) 4. Recording of Body Temperature	1. Functions & composition of blood, Hemopoiesis and Bone marrow 2. Hemoglobin & Hemoglobinopathies, Iron Metabolism 3. Platelet formation & function. hemostasis, blood coagulation tests (BT, CT, PT, APTT and INR) 4. Physiological mechanism of temperature regulation 5. Stages Of Erythropoiesis Factors Affecting Erythropoiesis (First week) 6. Physiology of WBC (third week) 7. Physiology of platelets (Fourth week) 8. Blood transfusion hazards. Tissue and organ transplantations (Fifth week) 9. 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)

	Hours Calculation for Various Type of Teaching	Total Hours (Faculty)	Total Hours (student)
Sr. #	Strategies	(Faculty)	(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

Hematology and Immunity Module (First Week)

(04-08-2025 To 09-08-2025)

						(04-00-202	5 10 09-08-20	143)		10.10		
Date/Day	8:00am-9:2	0am	9:20am – 1	10:10am	10:10am – 10:30am	10:30	am-11:20am	11:20an	1-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
		SGD/D	ISSECTION			PBL 1 (S	SESSION – I)	PHYSIOLO	OGY (LGIS)			
04-08-2025 Monday	Destaria	. C	-£1 0- E1 D-4:			DD.	L Team	Composition of blood & Hemopoiesis	Plasma Proteins		Practical & SGD/CBL Topics & venue	SDL Physiology Composition of
Monday	Postenoi	Compartment	of Leg & Flexor Reti	nacuium		РВ	L Team	Dr Sheena (Even)	Dr. Sidra (Odd)		mentioned at the end	blood
		SGD/D	ISSECTION			BIOCHEM	IISTRY (LGIS)	PHYSIOLOGY (LGIS)				
05-08-2025 Tuesday	Posterior Co	mpartment of L	.eg (Neurovascular O	rganization)		Types of Hb & ODissociation Cur		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			
		SGD/D	ISSECTION		a k	(Even) PHYSIO	(Odd) DLOGY (LGIS)	(Even) PHYSIOL	(Odd) OGY (LGIS)	*		
06-08-2025 Wednesday	25		Bones of the foot		Brea	Stages of erythropoiesis & factors affecting erythropoiesis	WBCs classification & formation. Neutrophils, Eosinophils & Basophils 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. Sidra (Odd)		1		
	PATHOLOG	Y (LGIS)	PBL 1 (SES	SSION – II)		BIOCHEN	MISTRY (LGIS)	PHYSIOL	OGY (LGIS)	1		
07-08-2025 Thursday	Mediators of inf	lammation	PBL Team			Heme Synthesis & Porphyria	Types of Hb and structure of Hb and myoglobin	Monocytes - macrophage system & lymphocytes	ystem Hemoglobin &		Practical & SGD/CBL Topics & venue	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)			mentioned at the end	
	8:00 AM - 9	:00 AM	9:00 AM -	10:00AM		10:00AM-11:	00AM	11:00AM	—12:00PM			
	FAMILY ME	DICINE	QURAN TRA	ANSLATION		BIOCHEMISTR	Y (LGIS)	PHYSIOL	OGY (LGIS)	1		
08-08-2025 Friday	Anemi	a	Muaamlaat-3	Muaasharat-1	Hemogl	obinopathies	Degradation & Jaundice	Hemoglobin & Hemoglobinopathies, Iron Metabolism	Monocytes - macrophage system & lymphocytes		ochemistry SDL 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)	(Odd)	(Even)	/ Dr. Sheena(Odd)		T	
		SGD/D	ISSECTION		4		OMY (LGIS)					
09-08-2025	Dorsum of 1	Dorsum of Foot (Muscles and Neurovascular Organization)			e a k	Development of pharyngeal arches	Development and histology of Lymph node	S	DI.	e a k	Practical & SGD/CBL Topics &	SDL Anatomy Posterior
Saturday	Dorsalli of I				Br	Prof. Dr. Ayesha Yousaf (even)	Dr. Mohtasham Hina (Associate prof.) (odd)			Br	venue mentioned at the end	Compartment of Leg

				Table 1	No. 1 (T	ime: 12:20	pm – 02:	00pm)								
Batch Dis	stribution 1	or Practical	Topics for Skill Lab with Venue					Schedule fo	or Practical	/ Small G	roup Discussion					
	nall Group	Disscusion	Lymph node (Anatomy Histology Practical) Venue-Histology	Day		stology actical		chemistry ractical			Physiology Practical		ysiology SGD		hemistry SGD	
(Biochem	istry and l	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	Supervised by
2.	В	71-140		Wednesday	Е	vised by	D	Dr. Uzma	uperv	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	A	Dr. Romessa	uperv
3.	С	141-210		Thursday	В	Supervis	A	Dr. Almas		D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zai		Dr. Nayab	S
4.	D	211-280		Saturday	A	Su	Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr. Afshee	B n	Dr. Rahat	
5.	Е	281-onwards	Topics for SGDs / CBL with Venue		Т	able No. 2	Batch Di	stribution and	Venues for	Anatomy	Small Group Discu	ssion So	GDs / Dissect	tions		
			Physiology SGD - Functions &	Batches	_	oll No		my Teacher				Venue				
			composition of blood, Hemopoiesis	A)1-90	1	eara Saqib			Complex No. 02					
			and Bone marrow (Basement))	В		1-180		jad Hussain	Anatomy							
			Biochemistry SGD: Types of Hb and oxygen dissociation curve		_	31-270	Dr. Ali		Anatomy							
			(Venue: Lecture Hall No 2)	D 271- onwards Dr. Qurat ul Ain New Lecture Hall Complex No. 03												
			(Venue: Lecture Hall No 2) 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 Physiology	Dr. Sana Latif (Demostrator Biochemistry)	6.	C2	(176-210)	Lecture Hall no.04 (Basement)	Dr. Nayab Zonish (PGT Physiology)
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)	Dr. Farah (Demonstrator of Physiology)	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Rohina Khalid (Demostrator Biochemistry)	8.	D2	(246-280)	Conference Room (Basement)	Dr. Rahat Afzal (Senior Demonstrator Biochemistry)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Zeneara Saqib (Senior Demonstrator of Anatomy)	9.	E1	(281-315)	New Lecture Hall Complex Lecture Theater # 03	Dr. Ramsha (PGT Physiology)
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Physiology)	10	E2	(315 onwards)	New Lecture Hall Complex Lecture Theater # 02	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							

Hematology and Immunity Module (Second Week)

(11-08-2025 To 16-08-2025)

Date/Day	8:00am-9:20am	9:20am – 10:10am	10:10am – 10:30am	,	am-11:20am	,	nm-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)	
	SGD/DISSI	ECTION	¥	ANATO	OMY (LGIS)	PHYSIO	LOGY (LGIS)	~			
11-08-2025 Monday	Ankle Joint (A	nkle 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)	Yousaf (Odd) (Associate prof.) (Even)		Prof. Dr. Samia Sarwar / Dr. Sheena (Even) Dr. Sidra (Odd)		end	their properties	
	DISSECTION	ON/CBL		BIOCHEM	MISTRY (LGIS)		LOGY (LGIS)	8			
12-08-2025 Tuesday	Joints of	Joints of Foot		Hemoglobinopathies	Heme degradation & Jaundice	Red cell fragility, ESR & Red cell indices, Anemia & polycythemia	indices, Anemia & and Lines of defense		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		
		PBL 2 (SESSION – I)		BIOCHEN	MISTRY (LGIS)	PHYSIO	LOGY (LGIS)				
13-08-2025 Wednesday	SDL	PBL Team		Aids	Plasma proteins functions, Albumin	Fate of RBCs & Jaundice	Platelet formation & function. hemostasis, blood coagulation tests (BT, CT, PT, APTT and	reak	Practical & SGD/CBL Topics & venue mentioned at the	SDL Anatomy Neurovascular organization of posterior compartment of	
				Dr. Aneel / Dr. Almas	Dr. Kashif		INR)	8	end	leg	
				(Even)	(Odd)	Dr. Sidra (Odd)	Dr. Fareed (Even)				
14-08-2025 Thursday				Iı	ndependenc	e Day					
15-08-2025 Friday					Early Clinical Exposu	<u> </u>					
	SGD/DISSI	ECTION	. ¥		MISTRY (LGIS)	PBL 2 (S	SESSION – II)		Practical &	Biochemistry SDL	
16-08-2025			e a]	Aids	Plasma proteins functions, Albumin	PI	BL Team	Break	SGD/CBL Topics & venue	Plasma proteins functions, Albumin,	
Saturday	Dissec	Dissection		Dr. Aneel / Dr. Almas (Odd)	Dr. Kashif (Even)			Br	mentioned at the end	AIDs	

				Table	No. 1 (T	ime: 12:20 ₁	om – 02:0	0pm)							
Batch Di	stribution 1	for Practical	Topics for Skill Lab with Venue					Schedule f	for Practical	/ Small G	roup Discussion				
	l subjects) nall Group	Disscusion	Spleen (Anatomy Histology Practical) Venue-Histology	Day Histology Practical		Biochemistry Practical			Physiology Practical		Physiology SGD			hemistry SGD	
(Biochen	Biochemistry and 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	у НОБ	Е	Dr. Farid/Dr. Ali Zain	A	Dr. Sheena/ Dr. Ali Zain	n D	Dr. Uzma Dr. Almas Dr. Romessa
1.	A	01-70	Determination of Clotting time (CT) (Physiology Practical) Venue –	Tuesday	D	НОБ	С	Dr. Nayab	Supervised by	A	Dr. Sheena/Dr.Nazia	В	Dr. Uzma/ Dr. Nazia	Е	Dr. Almas
2.	В	71-140	Physiology Lab	Wednesday	Е	vised by	D	Dr. Uzma	uperv	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	A	Dr. Romessa
3.	С	141-210		Thursday	В	Supervis	A	Dr. Almas	S	D	Dr. Maryam/ Dr. Afsheen	E	Dr. Farid/ Dr. Ali Zair	n C	Dr. Nayab
4.	D	211-280		Saturday	A	Su	E	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	Batch Dist	tribution and	Venues for	Anatomy	Small Group Discus	ssion So			'
			Physiology SGD- Hemoglobin &	Batches	_	oll No		y Teacher				Venue			
			Hemoglobinopathies, Iron Metabolism	A	_)1-90		ara Saqib			omplex No. 02				
			(Venue: Lecture Hall No 5)	В		1-180		d Hussain	Anatomy						
			Biochemistry CBL – Thalassemia (Lecture Hall No 2)	C		31-270	Dr. Ali F		Anatomy I act						
			Anatomy CBL: Ankle Sprain	D 271- onwards		ls Dr. Qurat ul Ain New Lecture Hall Complex No. 0. Supervised by Prof. Dr. Ayesha Yousaf				*					
			Tilliation y CDD. Tilliate Spiani					Sup	ci viscu by i	101. D1. F	rycona i ousai				

	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								

Hematology and Immunity Module (Third Week) (18-08-2025 To 23-08-2025)

						(10 00 2	023 10 23-00-2	<u> </u>							
Date/Day	8:00am-9	20am	9:20am –	10:10am	10:10am – 10:30am	10:30am-11:	20am	11:20am-12:10pm		12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)			
		SGD/DISS	ECTION			BIOCHEMISTR	Y (LGIS)	PHYSIOL	OGY (LGIS)	•					
18-08-2025 Monday		Sole of Foot	t (Muscles)			Vit K	Haptoglobin, ceruloplasmin		Types of immunity, Physiology of innate immunity tolerance & auto immunity		Practical & SGD/CBL Topics & venue mentioned at the end	SDL Anatomy joints of Foot			
						Dr. Aneel / Dr. Almas (Even)	Dr. Kashif (Odd)	Dr. Fareed (Even)	Dr. Sidra (Odd)		end				
		SGD/DISS	ECTION			Vitamin k Haptoglobin, ceruloplasmin		PHYSIOL	OGY (LGIS)		Practical &	SDL Physiology			
19-08-2025 Tuesday	Sole o	f Foot (Neurova	ascular Organiza	ation)				Types of immunity, Physiology of innate immunity tolerance & auto immunity	Blood coagulation		SGD/CBL Topics & venue mentioned at the	Process of inflammation and Lines of defense during inflammation			
					×	Dr. Aneel / Dr. Almas (Even)	Dr. Kashif (Odd)	Dr. Sidra (Even)	Dr. Fareed (Odd)	×	end	inframmation			
		SGD/DISS	ECTION		e a	BIOMEDICAL	ETHICS		OGY (LGIS)	æ					
20-08-2025 Wednesday		Dissection							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	PHYSIOLOGY (LGIS)						
21-08-2025 Thursday		Arches of Foot				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	SDL Biochemistry Structure of hemoglobin Folic acid
						Dr. Mohtasham Hina	Prof. Dr. Ayesha	Dr. Sidra	Dr. Fareed		end	& Vitamin B-12			
						(Associate prof.) (Even)	Yousaf (Odd)	(Even)	(Odd)						
Date/Day	08:00am- 10:00					10:00am – 11:00am			1 – 12:00pm						
	BIOCHEMIS	TRY (LGIS)	QURAN TR	ANSLATION		PHYSIOLOGY (LGIS			OGY (LGIS)						
22-08-2025 Friday	Vitamin 9 and vitamin B12	Transferrin, ferritin Dr.Kashif	Muaamlaat- 3 Mufti Naeem	Muaasharat- 1 Abdul Wahid	Anticoas	mbolic condition (DVT, Pulmonary Embolism, DIC) gulant therapy (Heparin, warfarin, a of blood clotting outside the body)	Physiology of acquired immunity T-Cells. Allergy and Hypersensitivity reactions, Auto-immune diseases and AIDS Is. Ac	Physiology of acquired immunity T-Cells. Allergy and Hypersensitivity reactions, Auto-immune diseases and AIDS	Thromboembolic condition (DVT, Pulmonary Embolism, DIC) Anticoagulant therapy (Heparin, warfarin, Prevention of blood	Heme	ochemistry synthesis amin K				
	(Even)	(Odd)	(Odd)	(Even)		Dr. Fareed (Even)	Dr. Sidra (Odd)	Dr. Sidra (Even)	clotting outside the body) Dr. Fareed (Odd)						
		SGD/DISS	` '	, , , , , ,		ANATOMY(I	\ /	` /	OGY (LGIS)						
23-08-2025 Saturday		Gait cycle.			Break	Histology & Development of Thymus and Tonsils	Histology and Development of Spleen of acquired reactions, Auto	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 diseases and AIDS	Break	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Anatomy Sole of Foot <mark>Online Clinical</mark> Evaluation			
						Dr. Mohtasham Hina (Associate prof.) (Odd)	Prof. Dr. Ayesha Yousaf (Even)	Dr. Fareed (Even)	Dr. Sidra (Odd)						

				Tab	le No. 1	(Time: 12	:20pm – 02	2:00pm)								
Batch Di	stribution f	or Practical	Topics for Skill Lab with Venue				1	1 /	for Practical	/ Small C	Group Discussion					
	l subjects) nall Group	Disscusion	Thymus (Anatomy Histology Practical) Venue-Histology	Day	Day Histology Practical			Biochemistry Practical		Physiology Practical		Physiology SGD			hemistry SGD	
(Biochen	nistry and l	Physiology)	Laboratory (Dr. Kashif)Quantitative estimation of serum total proteins (Biochemistry		Ba tc h	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	C		В	Dr. Rahat	y HOD	Е	Dr. Farid/Dr. Ali Zain	A	Dr. Sheena Dr. Ali Zai		Dr. Uzma	by HOD
1.	A	01-70	Determination of Bleeding time (BT) (Physiology Practical) Venue	Tuesday	D	НОБ	С	Dr. Nayab	Supervised by	A	Dr. Sheena/Dr.Nazia	В	Dr. Uzma/ Dr. Nazia	Е	Dr. Almas	ised b
2.	В	71-140	– Physiology Lab	Wednesday	Е		D	Dr. Uzma		В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	A	Dr. Romessa	Supervised
3.	С	141-210		Thursday	В	Supervised by	A	Dr. Almas		D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zai	l l	Dr. Nayab	S
4.	D	211-280		Saturday	A	InS	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	. 2 Batch I	Distribution an	nd Venues for	Anatomy	Small Group Discu	ssion S	GDs / Dissect	tions		
			Physiology SGD- Platelet formation a	& Batches	_	oll No		ny Teacher				/enue				
			function. hemostasis, blood	A	_	01-90	Dr Zenea	•			omplex No. 02					
			coagulation tests (BT, CT, PT, APTT		_	1-180		d Hussain	Anatomy L							
			and INR (Venue: Lecture Hall No 5)Biochemistry CBL – Jaundice	C	_	81-270	Dr. Ali R		Anatomy L							
			D 271- onwards Dr. Qurat ul Ain New Lecture Hall Complex No. 03 Supervised by Prof. Dr. Ayesha Yousaf													
							Su	pervised by F	roi. Dr. A	Ayesna 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)
	No DDI Cossion during this wools								

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								

Hematology and Immunity Module (Fourth Week) (25-08-2025 To 30-08-2025)

Date/Day	8:00am-9:20am 9:20am – 10:10am			10:10am – 10:30am	10:30am-11:20am		11:20am-12:10pm		12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignments(2HRS)
25-08-2025 Monday	SGD/DISSECTION		Break	BIOCHEM Vitamin 9 and vitamin B12	Transferrin, ferritin	PHYSIO Physiological mechanism of temperature regulation	ABO & Rh Blood grouping system	Break	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Anatomy Spleen	
	Thymus, Tonsils and Spleen			Dr. Aneela /Dr. Almas Odd)	Dr Kashif (Even)	Dr. Shazia (Even)	Dr. Fahad (Odd)				
	MEDICINE (LGIS) BIO MEDICAL ETHICS				PHYSIOLOGY (LGIS)		PHYSIOLOGY (LGIS)				
26-08-2025 Tuesday	Jaundice		TTIVITY 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
	Daraz (Even) (Odd	1			Dr. Fahad (Even)	Dr. Shazia (Odd)	Dr. Shazia (Even)	Dr. Fahad (Odd)		mentioned at the end	a porjoymenia
	SGD/DISSECTION			Break		PHYSIOLOGY (LGIS)		PHYSIOLOGY (LGIS)			
27-08-2025 Wednesday	Radiology, Surface Anatomy & Cross-Sectional Anatomy				reacti Disorders of temperature regulation (Fever, Heat stroke, Exposure of body to extreme cold) Dr. Shazia (Odd)	Blood transfusion hazards. Tissue and organ transplantations Dr. Fahad (Even)	Disorders of temperature regulation (Fever, Heat stroke, Exposure of body to extreme cold) Dr. Shazia (Even)	Blood transfusion hazards. Tissue and organ transplantations Dr. Fahad (Odd)	Break	Practical & SGD/CBL Topics & venue mentioned at the end	SDL Physiology Monocyte & Macrophage System
	GYNAE OBS (LGIS) PHYSIOLOGY SUPERVISED SDL)				JOINT SESSION OF BASIC AND CLINICAL SEICINCES				Practical & SGD/CBL Topics & venue	SDL Biochemistry Immunoglobulins, iron	
28-08-2025 Thursday	Rh incompatibility and its significance	Rh incompatibility and its significance ABO & Rh Blood grouping system			Thalasimia						
	Dr. Dr. Shama Ruqqia (Even) (Odd)	qqia Dr. Shazia (Odd) Dr. Fahad (Even)								mentioned at the end	
	8:00 AM - 9:00 AM 9:00 AM - 10:00AM				10:00AM-11:00AM 11:00AM—12:00PM PHYSIOLOGY SUPERVISED SDL BIOCHEMISTRY (LGIS)						
29-08-2025 Friday	(CLUB ACTIVITY-3)	Muaasharat-2	QURAN TRANSLATION Muaasharat-2 Muaamlaat-4		PHYSIOLOGY SUPERVISED SDL Blood transfusion hazards. Tissue and organ transplantations		Immunoglob		SI	L Anatomy Tonsil	
		Abdul Wahid (Even)	Mufti Naeem (Odd)		Dr. Shazia (Even)	Dr. Fahad	(Odd) Dr. Rahat (E	ven) Dr. Uzma (Odd)			
30-08-2025 Saturday	SGD/DISSECTION Dissection			B reak	BIOCHEMISTRY (LGIS) Immunoglobulins Iron Dr. Rahat (Odd) Dr. Uzma(Even)		<u>1</u>	Practical & SGD// CBLof 14 th August batch Topics & venue mentioned at the end		Practical & SGD/CBL Topics & venue mentioned at the end	SDL Anatomy Gait Cycle <mark>Online Clinical</mark> Evaluation

				Ta	ıble No.	1 (Time: 12	:20pm – 02	2:00pm)								
Batch Dis	stribution 1	or Practical	Topics for Skill Lab with Venue						for Practical	/ Small C	Froup Discussion					
Skills (all CBL / Sn		Disscusion	Tonsils (Anatomy Histology Practical) Venue-Histology	Day		tology actical		hemistry actical			Physiology Practical		ysiology SGD		hemistry SGD	
		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 Recording of Body temperature	Monday	С		В	Dr. Rahat	НОР	Е	Dr. Farid/Dr. Ali Zain	A	Dr. Sheena Dr. Ali Zai		Dr. Uzma	HOD
1.	A	01-70	(BT) (Physiology Practical) Venue – Physiology Lab	Tuesday	D	НОБ	С	Dr. Nayab	ised by	A	Dr. Sheena/Dr.Nazia	В	Dr. Uzma/ Dr. Nazia	E	Dr. Almas	vised by
2.	В	71-140		Wednesday	Е		D	Dr. Uzma	Supervised	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	A	Dr. Romessa	Supervi
3.	С	141-210		Thursday	В	Supervised by	A	Dr. Almas	, N	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid Dr. Ali Zai		Dr. Nayab	S
4.	D	211-280		Saturday	A	.nS	Е	Dr. Romessa		С	Dr. Fahd	D	Dr. Maryam/ Dr. Afshee	B n	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 So				
			 Physiology SGD- Physiological 	Batches		Roll No		ny Teacher				⁷ enue				
			mechanism of temperature regulation			01-90	Dr Zenea				omplex No. 02					
			(Venue: Lecture Hall No 5)	В		91-180		d Hussain	Anatomy L							
			Biochemistry CBL – iron (Lecture Hall No 2)	C D		81-270 - onwards	Dr. Ali R Dr. Qurat		Anatomy L		omplex No. 03					
			11411110 2)	<u> </u>	2/1	- Oliwarus	Dr. Qurai				Ayesha Yousaf					
				-				Su	per vised by I	101. 11. 1	1,00114 1 04541					

	Table No. 3 Batch Distribution with Venues and Teachers Name for Problem Based Learning (PBL) Sessions & Biomedical Ethics Club Acitivity													
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. Romessa	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 Sas	cion during t	hic wook							

No PBL Session during this 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

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

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

Class	Module	Day & Date	Time of Assessment	Focal person	Department Responsible
		Monday 11 th August ,2025	7:00 pm- 7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 12 th August ,2025	7:00 pm- 7:30pm	Prof. Dr Samia Sarwar	Physiology
		Wednesday 13 th August,2025	7:00 pm- 7:30pm	Dr Aneela Jamil	Biochemistry
First	Blood &	Monday 18 th August,2025	7:00 pm- 7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
Year MBBS	Immunity Module	Tuesday 19 th August,2025	7:00 pm- 7:30pm	Prof. Dr Samia Sarwar	Physiology
		Thursday 20 th August,2025	7:00 pm- 7:30pm	Dr Aneela Jamil	Biochemistry
		Monday 25 th August,2025	7:00 pm- 7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Tuesday 26 th August,2025	7:00 pm- 7:30pm	Prof. Dr Samia Sarwar	Physiology
		Thursday 27 th August,2025	7:00 pm- 7:30pm	Dr Aneela Jamil	Biochemistry

Hematology and Immunity Module (Fifth Week) (01-09-2025 To 10-09-2025)

Date/time	9:00am - 12:00pm 12:00-02:00pm
01-09-2025 Monday	
02-09-2025 Tuesday	Module Assessment
03-09-2025 Wednesday	
04-09-2025 Thursday	
05-09-2025 Friday	
06-09-2025 Saturday	Block Assessment
08-09-2025 Monday	
09-09-2025 Tuesday	
10-09-2025 Wednesday	

Note: Timetable Subject to Change According To The Current Circumstances

(Logistic details of Assessments will be notified separately)

SECTION VII

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

				Domains: C-Core Subject (70%) Levels C1-C2, HV- Horizontal & Vertical Integration (20%) Levels C2-C3, S- Spiral Integration (10%) Levels C2-C3																													
										The	eory (Cognit	ive) Ass	essment											P	Practical (S	kill & Attitud	le) Assessm	nent				
End of Module Assessment	Subject			MCC)s			EMC	Qs			SAQs				SEQs			Marks	Total Marks Theory	Total Time		ΑV	OSPE		Time	AED Reflective Writing		OSVE		Total Practical Marks	Grand Total	Total Time of Module Assessment
		С	HV	S T	otal	Marks	С	Total	Marks	С	HV	S	Tota	Marks	С	HV	S	Total		,		C H	/ S	Total	Marks			Viva	Сору	Total			
	Anatomy	19	4	2	25	25	1	1	5	3	1	1	5	25	3	1	1	5	45	100	2 HRS	7 2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
First Module	Physiology	19	4	2	25	25	1	1	5	3	1	1	5	25	3	1	1	5	45	100	2 HRS	7 2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
	Biochemistry	19	4	2	25	25	1	1	5	3	1	1	5	25	3	1	1	5	45	100	2 HRS	7 2	1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Formative- Wee	kly LMS Based Assessi	nent o	f 30 N	CQs (10 MC	Qs per Sı	ubject	t)																									
							\Box																П										
										The	I/	ognit	ival Acc	essment												Practical /	kill & Attitud	al Accorem	ont				
F 1 2 8 8 1 - 1 - 1										1110	eory (t	Jognit	IVC) Maa	. aaiii Ciii											ľ	ractical (s	KIII & ALLILUL	iej Assessiii	ient			•	Total Time of
End of Module Assessment	Subject			MCC)s			EMC	Qs	1110		SAQs		.ssmciit		SEQs			Marks	Total Marks	Total		ΑV	OSPE	r	Time	AED Reflective		OSVE		Total Practical	Grand Total	Total Time of Module
	Subject	С	HV			Marks	С	EMC Total	Qs Marks	C		SAQs			С	SEQs		Total	Marks		Total Time	СН			Marks	Time			OSVE	Total			
Assessment	Subject Anatomy	C 19	HV 4	S T		Marks 25	C 1		_	C 3		SAQs			C 3				Marks 45	Marks		C H				Time	AED Reflective		OSVE	Total 50	Practical		Module
Assessment Second	,	$oldsymbol{\sqcup}$	HV 4 4	S T	otal	Marks 25 25	C 1 1		_	C 3 3		SAQs		Marks	C 3 3				AF	Marks Theory	Time	C HY 7 2 7 2		Total	Marks	Time	AED Reflective Writing	Viva	OSVE		Practical Marks	Total	Module Assessment
Assessment	Anatomy	19	HV 4 4 4	S T	otal 25	Marks 25 25 25	C 1 1 1 1		_	C 3 3 3 3		SAQs		Marks	C 3 3				AF	Marks Theory 100	Time 2 HRS	C H ¹ 7 2 7 2 7 2		Total	Marks 50	Time 50 min	AED Reflective Writing	Viva 45	OSVE	50	Practical Marks 100	Total 200	Module Assessment 6 HRS

				LMS E	Base	d Asses	sment			OSPE				Gran	Total Block
I	Block	Subjects			N	1CQs		LabOSPE	IOSPE	COSPE	Total	Marks	Time	d Total	Time
I			С	ΗV	S	Total	Time	С	HV	S	TOtal	IVIGINS	IIIIe	Total	
I		Anatomy	21	6	3	30	30 min	14	4	2	20	60	6 HRS	90	10 HRS
ı	BLOCK	Physiology	21	6	3	30	30 min	14	4	2	20	60	6 HRS	90	10 HRS
ı		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

AVOSPE= 5

OSPE= 3

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

Marks per

MCQ=1 EMQ= 5 SAQ= 5 SEQ= 9

OSPE Time=1 Round of 40 Students =80 min

3 Round of 40 Students = 240 min

OSVE=Time per student=5mins

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

Table of Specification for Gross OSPE Anatomy

Block II- Lo	ower Limb				
1	Bones and Joints of Hip and thigh Region	30%	50%	20%	3
2	Muscles and Neurovascular of Hip				3
3	Muscles and Neurovascular of Anterior and medial Compartment of Thigh				3
4	Muscles and Neurovascular of Posterior Compartment of Thigh				3
5	Bones and Joints of knee and leg				3
6	Muscles and Neurovascular of Anterior Compartment of Leg				3
7	Muscles and Neurovascular of Lateral and Posterior Compartment				3
8	Bones and Joints of ankle and Foot				3
9	Muscles and Neurovascular of Foot				3
10	Radiology of Lower Limb				3
				Total	30

Table of Specification for Integrated OSPE Anatomy

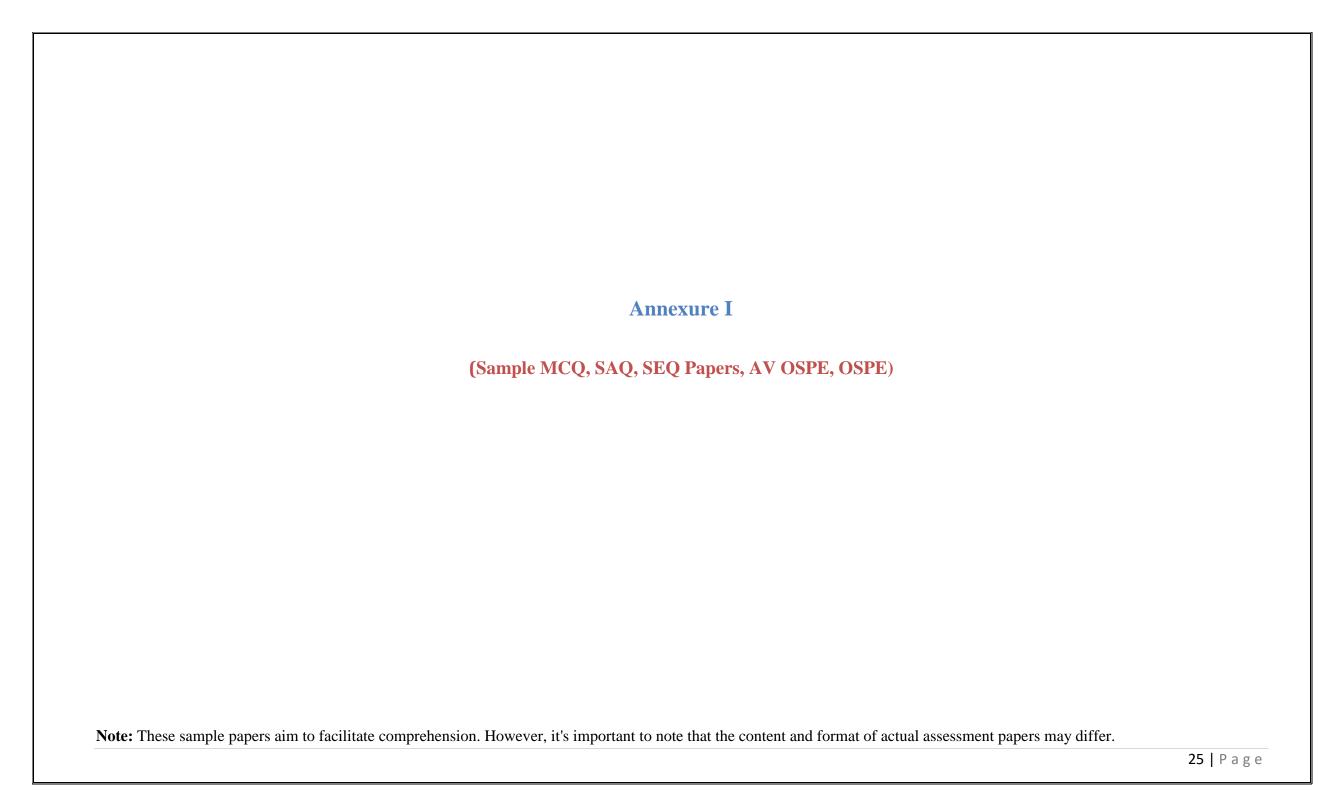
Block II- MSK-II and Blood & Immunity				
Development of Musculoskeletal System, vertebral column,				3
and limbs				
Development of Lymphoid Organs	30%	50%	20%	3
Microscopic anatomy of muscle and skin				3
Microscopic anatomy of Lymphoid Organs				3
Practical Copy				3
				Total 15

Physiology

		Block – II (MSK-II & Blo	ood Module)				
1.	Block – II	Determination of Total leukocyte Count				1 A	1
	(MSK-II &	(TLC)	_				
2.	Blood	Estimation of Red Blood Cell (RBC) count				1 B	1
3.	Module)	Determination of platelet count	_			1 C	1
4.		Determination of Differentiate leukocyte				2	3
		Count (DLC)	30%	50%	20%		
5.	_	Determination of ABO blood groups	_			3 A	1.5
6.		Determination of Rh blood groups				3 B	1.5
7.	_	Determination of Clotting Time (CT)	_			4 A	1.5
8.		Determination of Bleeding Time (BT)				4 B	1.5
9.		Recording of body temperature				5 A	1.5
10.		Demonstration of Triple response				5 B	1.5
11.		Practical notebook / sketch copy				6	3
						Total	18

Biochemistry

	Block – II (MSK-II & Blood Module)	Color test for amino acids(observed)		90%	10%	1	2
1.	Block – II (MSK-II &	Biuret test and ninhydrin	100%			2	2
2.	Blood Module)	Quantitative estimation of serum total proteins				1B	1
3.		Heat coagulation	100%			2A	1
4.		Paper chromatography				2B	1
5.	-	Blood draw technique	100%			3	2
6.		Quantitative estimation of serum bilirubin	100%			4	2
7.	-	Hemin crystal					
8.		instruments		90%	10%	4	2
9.		Practical notebook		80%	20%	5	2
						Total	10



RAWALPINDI MEDICAL UNIVERSITY, RWP ANATOMY DEPARTMENT

1st Year MBBS MCQs Module Exam (BLOOD & IMMUNITY)

- 1. A 21-year-old boy had a motorcycle accident. On x-ray groove in the lower surface of the cuboid bone was destroyed. Which of the following muscle tendons is most likely damaged?
- a. Flexor hallucis longus
- b. Peroneus brevis
- c. Peroneus longus
- d. Tibialis anterior
- e. Tibialis posterior

Note: MCQs on USMLE Pattern

- 3. A patient reported to hospital with the complaint of difficulty in walking and pain in the left leg. He gave history of an audible snap during a forceful push-off emergency car breaks (plantarflexion with the knee extended). It was followed immediately by sudden calf pain and dorsiflexion of the foot. He might be suffering from?
- a. Calcaneal tendinitis
- b. Ruptured calcaneal tendon
- c. Gastrocnemius strain
- d. Common peron

Note: MCQs on USMLE Pattern

- 5. Student of first year was asked to auscultate the posterior tibial pulse during assessment. While auscultating which landmarks are important?
- a. Between lateral malleolus and medial border of calcaneal tendon
- b. Between medial malleolus and medial border of calcaneal tendon
- c. Between lateral malleolus and lateral border of calcaneal tendon
- d. Between 1st and 2nd metatarsals
- e. Between 2nd and 3rd metatarsals

- 2. A professional runner without any history of trauma complaint of pain in the sole of foot and heel. The pain was aggravated during start of walk and after sitting but relieved after 5-10 minutes of activity. His condition could be due to
- a. Deep infection of the foot
- b. Plantar fasciitis
- c. Fatigue
- d. Arthritis of ankle joint
- e. Sprain of the ankle joint

Note: MCQs on USMLE Pattern

- 4. During medical examination, students were asked to examine patient with "tarsal tunnel syndrome". Which of the following symptoms are commonly associated with this?
- a. Sharp pain radiating down the front of the thigh.
- b. Tingling and numbness along the lateral side of the foot.
- c. Weakness during ankle joint extension
- d. Burning sensation along the inner side of leg and sole of the foot.
- e. Flattening of lateral arch of the foot

RAWALPINDI MEDICAL UNIVERSITY, RWP ANATOMY DEPARTMENT 1st Year MBBS SEQs Module Exam (BLOOD & IMMUNITY)

- Q. 1. A patient presents with an enlarged spleen (splenomegaly), and a histological examination is requested to understand the underlying changes.
- a. How would you assess the histological changes in the spleen associated with splenomegaly? (3)
- b. What alterations might you expect in the red pulp and white pulp of the spleen in response to splenomegaly? (3)
- c. How would you differentiate between reactive hyperplasia and pathological changes in the splenic tissues? (3)
- Q. 2. What specific histological features would indicate the presence of an underlying disease, such as infections or hematological disorders, in the context of splenomegaly? A patient presents with swollen lymph nodes, and a biopsy is performed to investigate the cause of lymphadenopathy. The histological examination reveals atypical findings.
- a. What histological features should be examined to determine the cause of lymphadenopathy? (3)
- b. What specific histological changes might you expect in the lymph node if the cause of lymphadenopathy is an infection? (3)
- c. How can you differentiate between reactive lymphadenopathy and malignant conditions, such as lymphoma, based on histological features? (3)

RAWALPINDI MEDICAL UNIVERSITY, RWP PHYSIOLOGY DEPARTMENT 1st Year MBBS MCQs Module Exam (BLOOD & IMMUNITY)

1. Maintenance of blood viscosity is mainly a function o	1. N	Maintenance	of b	lood	visco	ositv i	s mainly	v a fu	nction	of
--	------	--------------------	------	------	-------	---------	----------	--------	--------	----

- a. Plasma proteins
- b. Erythocytes
- c. Thrombocytes
- d. Albumin
- e. Gamma globulins
- 3. A Rh-negative mother having her second pregnancy terminated because of fetal death due to Rh-incompatibility, the type of agglutinin involved in this case would be:
 - a. 1gM
 - b.1gG
 - c. 1gE
 - d. 1gA
 - e. 1gD

Note: MCQs on USMLE Pattern

- 5. When blood is allowed to clot, the fluid left behind is known as:
 - a. Plasma
 - b. Lymph
 - c. Tissue fluid
 - d. Tissue gel
 - e. Serum

- 2. The HIV virus mainly targets the immune cells which are back bone of cell mediated immunity, these cells are:
 - a. B-cells
 - b. Cytotoxic T cells
 - c. Helper T cells
 - d. Memory cells
 - e. Suppressor T cells
- 4. Thalasemic children usually suffer from iron over load. Insoluble storage form of iron secondary to iron-overload is termed as:
 - a. Ferritin
 - b. Apoferritin
 - c. Hemopexin
 - d. Hemosiderin
 - e. Ferroheme

Note: MCQs on USMLE Pattern

RAWALPINDI MEDICAL UNIVERSITY, RWP PHYSIOLOGY DEPARTMENT 1st Year MBBS SEQs Module Exam (BLOOD & IMMUNITY)

- Q.1 Discuss three different causes of anemia and what is obligatory degradation of proteins and how it can be prevented? (3,2)
- Q.2 Define Immunity. What are different classifications of granulocytes (write any two). Write four causes of neutrophilia?
- Q.3 Define Land Steiners Law, Secretors and non- Secretors. Write down briefly on Incompatible blood transfusion, stating two complications of incompatible blood transfusion. (3,2)

RAWALPINDI MEDICAL UNIVERSITY, RWP BIOCHEMISTRY DEPARTMENT

1st Year MBBS SEQs Module Exam (BLOOD & IMMUNITY)

- 1. Iron is transported in the body in the form of:
 - a. Ferritin
 - b. Hemosiderin
 - c. Transferrin
 - d. Hemoglobin
 - e. Myoglobin
- 3. Chocolate cyanosis is a classic presentation of
 - a. Thalassemia
 - b. Hemoglobin SC disease
 - c. Hemoglobin C disease
 - d. Sickle cell anemia
 - e. Methemoglobinemia
 - **SEQ**
- Q. a. Explain the functions of Albumin (2)
 - b. Give clinical significance of Albumin. (1)
 - b. Describe pathway of synthesis of heme. (2)

- 2. The normal serum value for total bilirubin is up to:
 - a. 10mg/dl
 - b. 5mg/dl
 - c. 50mg/dl
 - d. 1mg/dl
 - e. 15mg/dl
- 4. Vitamin K is required for
 - a. Change of prothrombin into thrombin
 - b. Synthesis of prothrombin
 - c. Change of fibrinogen into fibrin
 - d. Formation of thromboplastin
 - e. Fibrinolysis

RAWALPINDI MEDICAL UNIVERSITY, RWP 1st Year MBBS EMQs Module Exam (BLOOD & IMMUNITY)

Types of Anemia:

- A. Iron-deficiency anemia
- B. Vitamin B12 deficiency anemia
- C. Aplastic anemia
- D. Hemolytic anemia
- E. Sickle cell anemia
- F. Thalassemia

Descriptions:

This type of anemia is characterized by a lack of mature red blood cells due to the bone marrow failing to produce them.

Commonly caused by inadequate intake or absorption of a crucial mineral, resulting in small and pale red blood cells.

Caused by premature destruction of red blood cells, leading to a shortage of these cells in circulation.

Occurs due to a deficiency in a key vitamin required for DNA synthesis, affecting red blood cell production and neurological function.

Inherited disorder where red blood cells become crescent-shaped and rigid, leading to blockages in blood flow and oxygen delivery.

Genetic condition resulting in reduced synthesis of hemoglobin, leading to abnormal red blood cell formation and anemia.

Matching:

Type A: Type B: Type C: Type D: Type E: Type F: Feel free to match them accordingly: Type A: C (Aplastic anemia) Type B: A (Iron-deficiency anemia) Type C: D (Hemolytic anemia) Type D: B (Vitamin B12 deficiency anemia) Type E: E (Sickle cell anemia) Type F: F (Thalassemia)

RAWALPINDI MEDICAL UNIVERSITY, RWP BIOEHTICS DEPARTMENT 1st Year MBBS MCQs Module Exam (BLOOD & IMMUNITY)

1Includes rules of conduct that may be used to regulate our activities concerning	g 2. The right of patients having self-decision is called.
the biological world.	a. Justice
a. Bio-piracy	b. Autonomy
b. Biosafety	c. Beneficence
c. Bioethics	d. Veracity
d. Bio-patents	e. Fidelity
e. Bio-logistic	
3. Following is not code of ethics.	4in the context of medical ethics, if it's fair and balanced
a. Integrity	a. Justice
b. Objectivity	b. Autonomy
c. Confidentiality	c. Beneficence
d. Behaviour	d. Veracity
e. Autonomy	e. Fidelity
5Principle requiring that physicians provide, positive benefits	

a. Justice

b. Autonomyc. Beneficence

d. Veracity

e. Fidelity

Rawalpindi Medical University Department of Anatomy Block-II OSPE 1st Year MBBS

Station No. 1 (Observed Station)

Histology sketch copy will be assessed for

- a. Complete index (1)
- b. Complete and signed diagrams (1)
- c. 2 ID points mentioned with each diagram (1)
- d. Punctuality (1)
- e. Neatness (1)

Station No. 2 (Gross Anatomy)

Core Concept - Learning Domain (C2)

- I. On the cadaver/model,
- a. Identify Red (1)
- b. Identify Yellow (1)
- c. Identify Green (1)

Rawalpindi Medical University Department of Physiology Block-II OSPE 1st Year MBBS

Station No.1 Time Allowed: 2 Minutes

a. What is the preferred dilution ratio for RBC count & platelet count? (0.5, 0.5)

b. Write the composition of Hayem's Fluid. (1)

c. How would you interpret a platelet count of 80,000 /mm³? (1)

Station No.2 Time Allowed: 2 Minutes

a. Identify the cells labeled A & B. (0.5)

b. Points of Identification. (1.5)

c. What is the power of objective lens used for identifying the cells and how much (0.5, 0.5)

was the total magnification achieved?

Rawalpindi Medical University Department of Biochemistry Block-II OSPE 1st Year MBBS

Station No. 2 Time Allowed: 2 Mins

Observed station

Perform Biuret test 03

Station No. 1 Time Allowed: 2 Mins

Observed Station

Perform Lead Sulfide test. 03

OSPE DEPARTMENT OF ANATOMY

Section I: Core Concept A. Gross Anatomy

Station No. 1 Time Allowed: 3mins

I. Identify Red on model/ cadaver (1)

II. Identify Green & name the most common artery involved in Myocardial Infarction

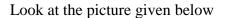
(1)

Station No. 1 Key

- I. Coronary Sinus
- II. Posterior Interventricular artery & LAD/LCA

C.Vertical Integration (Cardiology)

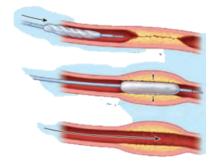
Station No. 15 Time Allowed: 3mins



	0.5)
II. Name any one indication for this procedure (0.5)

III. Give 2 sites of cardiac catheterization (01)





OSPE DEPARTMENT OF BIOCHEMISTRY

Station 1 (Core Concept - Skill Based)

- Q1. What is the shape of haemin crystal? 1.5
- Q2. What is the medicolegal importance of haemin crystal test? 1.5

Key Station 1 (03 Marks)

1. Rhombic shape	1.5
2. It can be used to differentiate between red stain and blood	1 4

AV OSPE DEPARTMENT OF ANATOMY

Slide 1

Total Marks: 05 marks

Time Allotted: 05 minutes

Requirements: Answer sheet, Pen

Objectives:

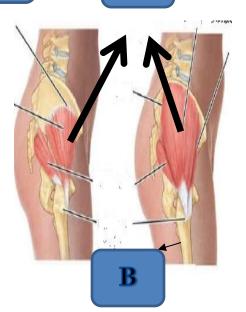
Gross Anatomy

- . Identify (3)
 - A
 - В
 - C.
- II. What is the nerve supply of structure A.
- III. Name the clinical condition which results due to paralysis of structure A. (1)



(1)





AV OSPE DEPARTMENT OF ANATOMY

Slide 1

Total Marks: 05 marks

Time Allotted: 05 minutes

Requirements: Answer sheet, Pen

Objectives:

Cross Sectional Anatomy

Idetify

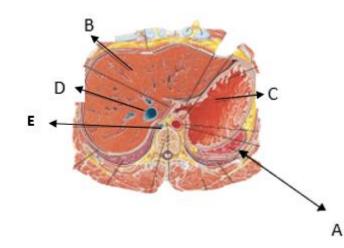
Α

В

 \mathbf{C}

D

Е



AV OSPE DEPARTMENT OF BIOCHEMISTRY

Slide 1

Total Marks: 05 marks

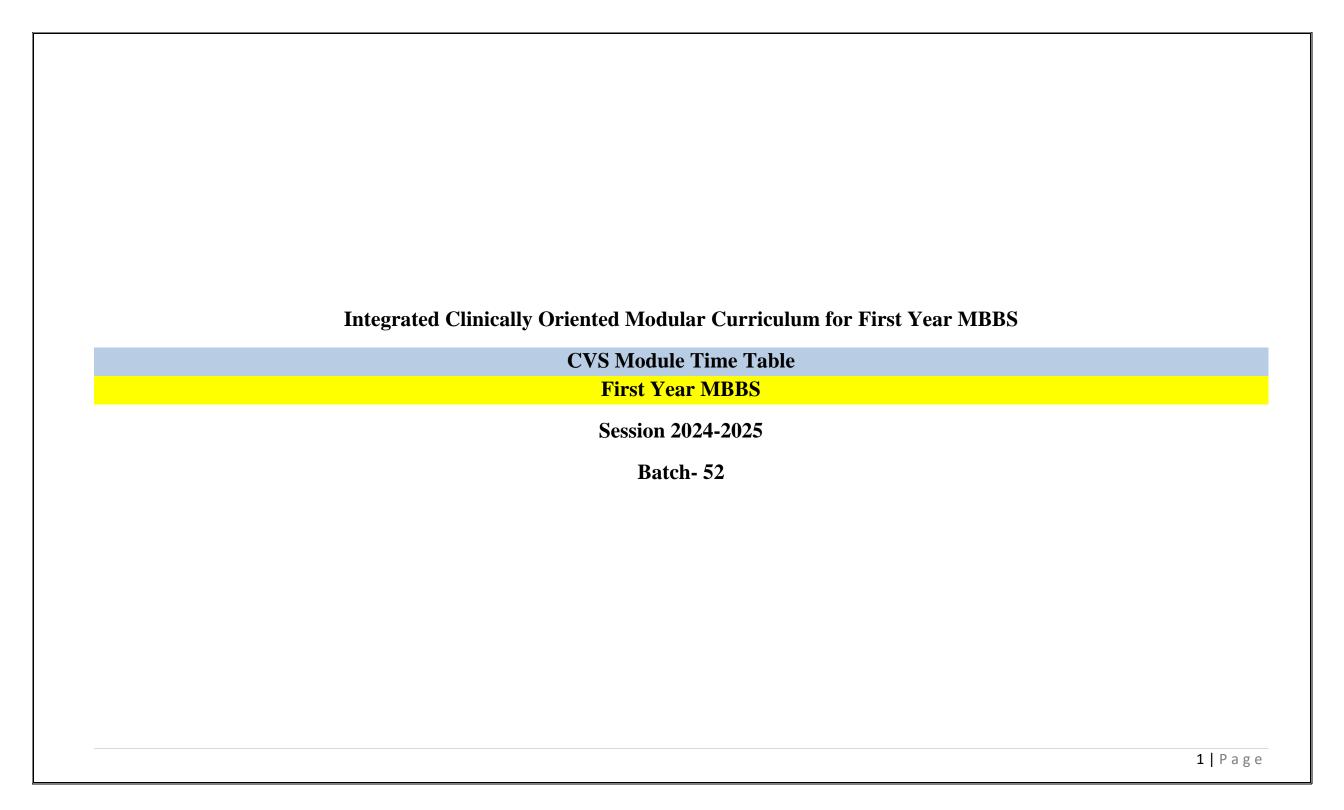
Time Allotted: 05 minutes

Requirements: Answer sheet, Pen

Objectives: _____

- Q1. What is the name of clinical condition shown in the above image? 01
- Q2. What are different types? 01
- Q3. causes of this condition. 01
- Q4. Give Normal value of Serum bilirubin? 01
- Q5. What is Kernicterus? 01





CVS Module Team

Module Name : CVS Module
Duration of module : 05 Weeks

Lectures

Focal Person Family Medicine

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

Dr. Sadia Khan

	Module Comn	nittee	Module Task Force Team			
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Aneela (Senior Demostrator of Physiology)	
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. 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 MBBS	Asso. Prof. Dr. Mohtashim Hina				
7.	Focal Person Physiology	Dr. Sidra Hamid		Di	ME Implementation Team	
7.	Focal Person Physiology	Dr. Sidra Hamid	1.	Director DME	ME Implementation Team Prof. Dr. Ifra Saeed	
7. 8.	Focal Person Physiology Focal Person Biochemistry	Dr. Sidra Hamid Dr. Aneela Jamil	1. 2.			
	, c,		1. 2. 3.	Director DME Assistant 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		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		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		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	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 ar	nd Function of the Heart Valves&	regulation of heart pumpin	g, 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							
		Flow by the Tissues							
	Pressure, hypertension								
		<u> </u>	s Return, and Their Regulation						
			d Cardiac Output During Exercise	; the Coronary & regional of	circulation				
		Cardiac Failure, Circula							
		 Heart Valves and Heart 	Sounds; Dynamics of Valvular and	nd Congenital Heart Defect	S				
III		1.7	Spiral Courses						
	• The Holy Quran Translation	Mumamalat-I							
		Muashrat-II							
		Ekhlaqiaat-I Managanalat II							
	Behavioural Sciences, Bioethics &	 Mumamalat -II Breaking the bad news 							
	Behavioural Sciences, Bioethics & Professionlism	_	ant.						
		Stress and its management							
	 Radiology, Artificial Inteligence & Innovation 	 Chest radiograph with perspective of cardiovascular system Radiology with perspective of Artificial Intelligence & Innovation. 							
	Family Medicine	 Radiology with perspect Approach to a patient with 		novation.					
	• Family Wiedicine	Approach to a patient wi	Vertical Integration						
	Community Medicine	Risk factors of coronary							
	Pathology	Edema	y vascarar discuse						
	• Eye	Hypertensive retinopath	ıv						
	Pharmacology		of Anti hypertensive drugs						
	Medicine	0.	ctrical Imbalance, Myocardial hyp	pertrophy)					
			onary syndrome & management of	± • ′	nt of shock				
		Hypertension	, i, ii						
		<u> </u>							

• Gyman & Oha	Cordiovascular changes in prognancy
Gynae & Obs	Cardiovascular changes in pregnancy
	 Hypertensive disorders in pregnancy (gestational hypertension, pre-eclampsia)
	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

			1 Hysiology			
Category A*	Category B**	DDI	CDI	Category C***	CCD	CDI
• 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	Practical's 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	1. Concept of vasomotion and starling forces 2. Regulation of blood pressure 3. Cardiac output and Venous return (second week) 4. ECG & its clinical importance (second week) 5. Arrhythmias (third week) 6. Short term regulation of blood pressure (fourth week) 7. Long term regulation of blood pressure (fourth week) 8. Coronary circulation, Atherosclerosis & acute coronary occlusion (fourth week) Cardiac cycle (fourth week)	SDL 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) Arrhythmias II (By Dr Fahad) ECG changes in myocardial hypertrophies, ischemic heart disease (By Dr Fahad) Congestive cardiac failure (By Dr Fahad) Congestive cardiac failure (By Dr Fahad) Splanchnic circulation, cutaneous circulation		2. 3. 4. 5. 6. 7.	Introduction to CVS Classification of blood vessels & Biophysical considerations Regulation of blood flow Introduction to ECG & its clinical importance Vectorial analysis & arrhythmias Cardiac cycle Splanchnic circulation, cutaneous circulation gulation of od pressure
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(E	By Dr Fareed)		
	letal muscle		
bloo	od flow,		
Card	diovascular		
chan	nges during		
exer	cise		
	Dr Uzma)		
• Feta	l circulation &		
card	iac		
abno	ormalities in fetal		
	ulation		
• (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)

Sr. #	Hours Calculation for Various Type of Teaching Strategies	Total Hours
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) 11-09-2024 to 17-09-2025

						-07-202 4 to 17-02	7 2025					
Date/Day	8:00 AM -	- 09:00 AM	09:00 AM -	- 10:00 AM	10:00am – 10:20am			11:20am	11:20am-12:10pm		12:30pm – 2:00pm	Home Assignment
	DISSECTION/SGD				COMMUNITY MI	EDICINE (LGIS)	PHYSIOLO	OGY (LGIS)				
11-09-2025 Thursday			Thoracic Vertebra		reak	Risk factors of coronary vascular disease		Introduction to CVS	Blood vessels & To Blood vessels		Practical &CBL Topics mentioned at the end	SDL Physiology Introduction to CVS
					B	Dr Rizwana (Even)	Dr Abdul Qadoos (Odd)	Dr Fahad (Even)	Dr. Aneela (Odd)	B		C 15
Date/Day	8:00 AM -	- 09:00 AM	09:00 AM -	- 10:00 AM		10:00 AM - 11:00 A	AM	11:00 AM -	- 12:00 PSM		<u> </u>	I .
	QURAN TRA	NSLATION-I	QURAN TRA	NSLATION-II		ANATOMY (LGI	(S)	PHYSIOLO	OGY (LGIS)			
						Embryology	General Anatomy	Classification of			SDL Physiology	
12-09-2025 Friday	Muashrat-II Mumamalat-I		Mumamalat-I	Muashrat-II	Develo	oment of Venous System	(General Organization of CVS)	Blood vessels & Biophysical considerations	Introduction to CVS	Introduction to CVS Classific	cation of Blood vessels considerations	& Biophysical
	Molana Abdul Wahid (Even)	Mufti Naeem (Odd)	Mufti Naeem (Even)	Molana Abdul Wahid (Odd)	Prof. Dr. Ay	esha / Assoc Prof. Dr. Arsalan (Even)	Prof. Dr. Saima (Odd)	Dr. Aneela (Even)	Dr Fahad (Odd)		,	
	BIOCHEMIS	STRY (LGIS)	MED	CINE		ANATOM	Y (LGIS)	PHYSIOLO	OGY (LGIS)		of the end	SDL Biochemistry Classification & functions of
	Introduction and	Introduction and	Overview of	cute coronary		General Anatomy	Embryology					
13-09-2025 Saturday	classification of carbohydrates & Isomerism	classification of lipids &Fatty acids	syndrome & Mar failure & Manag	agement of heart	*	(General Organization of CVS)	Development of Venous System	Heart sounds	Regulation of blood flow	.		
	Dr. Kashif (Even)	Dr. Uzma Zafar/Dr. Aneela (odd)	Dr. Asad c	ardiologist	rea	Prof. Dr. Saima (Even)	Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Odd)	Dr. Uzma (Even)	Dr. Faizania (Odd)	ಡ		carbohydrates
	DISSECTION/SGD		BEHAVIOURAL SCIENCES		B	PBL 1 (SES	SSION I)	PHYSIOLOGY (LGIS)		a Prince		SDL
15-09-2025 Monday	Mediastinum (General Features & Divisions)			Sociology & Health		PBL Team		Regulation of blood flow	Heart sounds		Practical &CBL Topics mentioned at the end.	Biochemistry Classification
			Dr. Mehmood Ali Khan (Even)	Dr. Mehboob Ali Shah (Odd)		rbL I	eam	Dr. Faizania (even)	Dr. Uzma (Odd)		at the cha.	& functions of lipids
16-09-2025 Tuesday												
	DISSECTION/SGD BIOCHEMISTRY (LGIS) Introduction and classification of lipids &Fatty acids Dr. Uzma Zafar/Dr.Aneela (Even) DISSECTION/SGD Introduction and classification of carbohydrates & Isomerism Dr. Kahif (Odd)		STRY (LGIS)		ANATOM	Y (LGIS)	PHYSIOLOGY (LGIS)					
17-09-2025 Wednesday			classification of carbohydrates &		General Anatomy (Classification of vessels)	Embryology (Aortic Arches and derivatives)	Capillary circulation, Concept of vasomotion and starling forces	Functions of veins, Venous return and factors affecting venous return		Practical &CBL Topics mentioned	SDI Anatomy Thoracic Vertebrae	
			Zafar/Dr.Aneela			Prof. Dr. Saima (Even)	Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Odd)	Dr. Fahad (Even)	Dr. Kamil (Odd)		at the end.	

						Table No. 1	l (Time: 12:2	20pm <u>– 02:</u>	00pm)								
Batch Di	stribution for	Practical Skills	Topics for Skill Lab with Venue	e						for Practic	al / Small	Group Discussion	on				
(all subje			Elastic Arteries (Anatomy/ Histole	ogy-	Day	Histolog	y Practical	Bioche	mistry Practical		Physio	ogy Practical	Ph	ysiology SGD		Bioche	emistry SGD
CBL / Sr (Biochen	nall Group D nistry and Ph	oisscusion ysiology)	practical) venue Histology Labora (Dr. Kashif)	~.	-	Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name
Sr. No	Batch	Roll No.	(Molisch's test) (Biochemistry pravenue- Biochemistry Laboratory Examination of arterial pulse (Phy—practical) Physiology Laboratory	ysiology	Monday	С	T (diffe	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 –pract Physiology Laboratory		Tuesday	D	۵	С	Dr. Romessa	НОБ	A	Dr. Sheena/ DrNazia/D r. Afsheen	В	Dr. Uzma/Dr. Farah	НОБ	Е	Dr. Almas
2.	В	71-140			Wednesday	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	Superv	A	Dr. Almas	InS	D	Dr. Maryam/ Dr. Afsheen/ Dr. Farah	Е	Dr. Farid/ Dr. Ali Zain	Sul	С	Dr. Romessa
4.	D	211-280			Saturday	A		Е	Dr. Romessa		С	Dr. Fahd/Dr. Najam/Dr.	D	Dr. Maryam/ Dr. Afsheen	-	В	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Ven	nue			Table N	o. 2 Batch	Distribution and V	enues for	Anatomy	Small Group Di	iscussion S	SGDs / Dissections			
		•	Biochemistry tutorial – classification		Batches	Ro	ll No		omy Teacher			·		Venue			
			carbohyrates and lipids		A		1-90	Dr Sajja		New Le	cture theat	re complex no.2					
			Concept of vasomotion and starling	19	В	91	-180	Dr Qura	nt ul Ain	Anatom	y Lecture 1	Hall No.03					
			forces. (SGD) (Physiology Lecture		С	181	1-270	Dr Zene	eara	Anatom	v Lecture	Hall No.04					
			No.05)		D		onwards	Dr Ali l			-	re complex no.3	}				
			Anatomy CBL: Cardiac Tampona	ade				· I				yesha Yousaf					
			Table N	No. 3 Batch	Distribution wi	ith Venues a	nd Teachers	Name for	Problem Based Le								
Sr No.	Batches	Roll No	Venue		Teachers			atches	Roll No		Venu			Teac	hers		
1.	A1	(01-35)	Lecture Hall no.05 Physiology		na Latif (Demos		6.	C2	(176-210)	Lecture	Hall no.04	(Basement)	Dr. Nay	ab Zonish (PGT Phys	iolog	y)	
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)		rah nstrator of Phys	siology)	7.	D1	(210-245)	Lecture	Hall no.02	(Basement)	Dr. Iqra	Ayub (PGT Physiolo	gy)		
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Ro (Demo	messa strator Biochem	nistry)	8.	D2	(246-280)	Confere	nce Room	(Basement)	Dr. Raha (Senior	at Afzal Demonstrator Bioche	mistry	y)	
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Anaton	r Demonstrator ny)		9.	E1	(281-315)		cture Hall			nsha (PGT Physiolog	y)		
5.	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali	Zain (PGT Phy	/siology)	10	E2	(315 onwards)	Lecture	Hall no.04			ad Hassan strator Physiology)			
					6 Venues for L												
			Odd Roll No Even Roll N	umbers	Ne	ew Lecture I	Interactive S Hall Complex Hall Complex	x Lecture T	heater # 03								

First Year Timetable for CVS Module (Second Week) 18-09-2025 to 24-09-2025

Date/Day	8:00 AM – 09	0:00 AM	09:00 AM -	- 10:00 AM	10:00am – 10:20am	10:20am-	-11:20am	11:20a	m-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
		CBL/DIS	SSECTION		Ä	MEDICIN	NE(LGIS)	PHYSIC Functions of veins,	DLOGY (LGIS) Capillary circulation,	1 4		
18-09-2025 Thursday		Pericardium / C	ardiac tamponad	e	rea	Hypert	ension	Venous return and factors affecting venous return	Concept of vasomotion and starling forces	Brea	Practical &CBL Topics mentioned at the end	SDL Physiology Regulation of blood flow
					P	Dr. Asad cardi	ologist (Even)	Dr Kamil (Even)	Dr Fahad (Odd)	_ =		
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	\mathbf{II})	PHYSIC	OLOGY (LGIS)			
19-09-2025 Friday	Mumamalat -II Mufti Naeem	Ekhlaqiaat-I Molana	Ekhlaqiaat-I Molana	Mumamalat-II Mufti Naeem		PBL Team		Introduction to ECG	1 '	Iı	SDL Physiol ntroduction to ECG & its o	23
	(even)	Abdul Wahid (Odd)	Abdul Wahid (even)	(Odd)				Dr Fahd (Odd)	and low cardiac output-I			
		DICCEC	ΓΙΟΝ/SGD			ANATOM	IV (I CIS)		Dr Sidra (Even) DLOGY (LGIS)	_	1	
		DISSEC	110N/SGD		1	Embryology	General Anatomy	Cardiac output & it				
20-09-2025 Saturday		Heart (Exte	rnal Features)			(Aortic Arches and derivatives)	(Classification of vessels)	control, measurement cardiac output, pathologically high a low cardiac output-	of its clinical importance		Practical &CBL Topics mentioned at the end	SDL Biochemistry Fatty acids & Simple lipids
						Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Even)	Prof. Dr. Saima (Odd)	Dr. Sidra (Odd)	Dr Fahd (Even)			
		DISSEC	FION/SGD			ANATOM			DLOGY (LGIS)		Practical &CBL	
22-09-2025 Monday	1	Heart (Clinical Co	orrelations of Hea	art)		Histology (Arteries and Veins)	Embryology (Formation, Position and Partitioning of heart tube)	Vectorial analysis & arrhythmias I	Cardiac cycle - I, Events of cardiac cycle and its graphical representation		Topics mentioned at the end	SDL Biochemistry Classification and Chemical reactions of
					ak	Assoc. Prof. Dr. Mohtasham (Even)	Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Odd)	Dr. Fahad (even)	Dr Sidra (Odd)	a k		Monosaccharides
		DISSEC"	ΓΙΟΝ/SGD		r e	BIOCHEMIS		PHYSIC	OLOGY (LGIS)	r e		
23-09-2025 Tuesday		Heart (Inter	rnal Features)		B	Mutarotation & Monosaccharides & their chemical reaction	Simple lipids & Compound lipids	Cardiac cycle - I, Eve of cardiac cycle and graphical representati	its Vectorial analysis &	B	Practical &CBL Topics mentioned at the end	SDL Anatomy Heart
						Dr. Uzma (Even)	Dr. Aneela (Odd)	Dr Sidra (even)	Dr Fahd (Odd)			
	BEHAVIOU	IR SCIENCES	BIOCHE	MISTRY (LGIS)		PATHOLO	GY (LGIS)	PHYSIC	OLOGY (LGIS)			
	A 4b 1	0- II141-	Simple lipids &	Mutarotation & Monosaccharides		Ede	ema	Arrhythmias II	Cardiac cycle – II, Functions of ventricles as pumps,		Practical &CBL	CDI Au-4-u
24-09-2025 Wednesday		ogy & Health	Compoun d lipids	& their chemical reaction		Dr. Sara Rafi (Even)	Dr Rabia Khalid (Odd)		aortic pressure curve, regulation of heart pumping		Topics mentioned at the end	SDL Anatomy Vassculature of Heart Online Evaluation
	Dr. Mehboob Ali Shah (Even)	Dr. Mehmood Ali Khan (Odd	Δneela	Dr Uzma (Odd)			2. Ruom Huma (Out)	Dr. Fahd (Even)	Dr. Sidra (Odd)			

						Table No. 1	(Time: 12:	20pm – 02:	00pm)								
Batch Di	stribution for	r Practical Skills	Topics for Skill Lab with Venue						Schedule f	for Practic	al / Small	Group Discussion	on				
(all subje			Medium & Small Sized Arteries		Day	Histolog	y Practical	Bioche	emistry Practical		Physio	logy Practical	Ph	ysiology SGD		Bioche	mistry SGD
	nall Group D		(Anatomy/ Histology-practical) venue	ue		Batch	Teacher	Batch	Teacher		Batch	Teacher	Batch	Teacher Name		Batch	Teacher
(Biochen	nistry and Ph	ysiology)	Histology Laboratory (Dr. Kashif)				Name		Name			Name					Name
Sr. No	Batch	Roll No.	Benedict's Test (Biochemistry pract venue- Biochemistry Laboratory Clinical examination of chest for CV (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 Determination of Blood Pressure (B (Physiology –practical) Physiology		Tuesday	D		С	Dr. Romessa	НОД	A	Dr. Sheena/ DrNazia/D r. Afsheen	В	Dr. Uzma/Dr. Farah	НОБ	Е	Dr. Almas
2.	В	71-140	Laboratory	W	Vednesday	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		Т	Thursday	В	Supervi	A	Dr. Almas	Sup	D	Dr. Maryam/ Dr. Afsheen/ Dr. Farah	Е	Dr. Farid/ Dr. Ali Zain	ĬnS	С	Dr. Romessa
4.	D	211-280		S	Saturday	A		Е	Dr. Romessa		С	Dr. Fahd/Dr. Najam/Dr.	D	Dr. Maryam/ Dr. Afsheen		В	Dr. Rahat
5.	Е	281-onwards	Topics for SGDs / CBL with Venue	e			Table N	No. 2 Batch	Distribution and V	enues for	Anatomy	Small Group Di	iscussion S	SGDs / Dissections			•
			Biochemistry tutorial – Classification	ı & l	Batches	Ro	ll No		tomy Teacher		_			Venue			
			Properties of Fatty Acids. (Biochemis	stry	A		-90	Dr Sajja				re complex no.2	,				
			Basement demo room)		В		-180		at ul Ain			Hall No.03					
			Physiology CBL- Pitting edema		C		-270	Dr Zen				Hall No.04					
			(Physiology Lecture Hall No.05)		D	271- c	onwards	Dr Ali				re complex no.3					
												yesha Yousaf					
		5 11 11							Problem Based Le	earning (Pl	•						
Sr No.	Batches	Roll No	Venue		Teachers			Batches	Roll No		Venu		D 17	Teac		`	
1.	A1	(01-35)	Lecture Hall no.05 Physiology	Biochemis		strator	6.	C2	(176-210)			(Basement)	_	ab Zonish (PGT Phys		y) 	
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor Anatomy)		rator of Phys	siology)	7.	D1	(210-245)			2 (Basement)		Ayub (PGT Physiolo	gy)		
3.	B1	(71-105)	Anatomy Museum (First Floor Anatomy)	Dr. Romes (Demostra	ssa ator Biochem	nistry)	8.	D2	(246-280)	Confere	nce Room	(Basement)	Dr. Rah (Senior	at Afzal Demonstrator Bioche	<u>mist</u> r	y)	
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Anatomy)	emonstrator (9.	E1	(281-315)	New Le	cture Hall	no.01	Dr. Rar	nsha (PGT Physiolog	y)		
5.	C1	(141-175)	Lecture Hall no.05 (Basement)		ain (PGT Phy		10	E2	(315 onwards)	Lecture	Hall no.04			ad Hassan strator Physiology)			
				able No. 6 V	Venues for L												
			Odd Roll Nun	nbers					Γheater # 03]							
			Even Roll Nur	mber	Ne	ew Lecture I	Hall Comple	ex Lecture 7	Theater # 02]							

First Year Timetable for CVS Module (Third Week) 25-09-2025 to 01-10-2025

						25 07 2025	10 01-10-2023					
Date/Day	8:00 AM	- 09:00 AM	09:00 AM - 1	10:00 AM	10:00am – 10:20am	10:20am-1	1:20am		1-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment
		DISSECT	ION/SGD			ANATOMY	(- :- /		OGY (LGIS)			
25-09-2025 Thursday		Vassculatu (Coarctatio			Break	(Formation, Position and Partitioning of heart tube)	Histology (Arteries and Veins)	Cardiac cycle – II, Functions of ventricles as pumps, aortic pressure curve, regulation of heart pumping	Arrhythmias II	Break	Practical &CBL Topics mentioned at the end	SDL Physiology Regulation of BP
						Prof. Dr. Ayesha / Assoc	Assoc. Prof. Dr.	Dr. Sidra	Dr. Fahd (Odd)			
						Prof. Dr. Arsalan (Even)	Mohtasham (Odd)	(Even)	` ,			
Date/Day		8:00AM -				10:00AM - 11:00 AN			- 12:00 PM			
		DISSECT	ION/SGD			ANATOMY (LGIS)			OGY (LGIS)			
26-09-2025 Friday		Innervatio	n of Heart		,	Embryology and partitioning of Ventricles)	Histology (Capillaries)	ECG changes in myocardial hypertrophies, ischemic heart disease	Short term regulation of blood pressure		SDL Physiology Regulation of BF	
					Prof. Dr. Ay	esha / Assoc Prof. Dr. Arsalan (Even)	Assoc. Prof. Dr. Mohtasham (Odd)	Dr. Fahd (Even)	Prof.Dr. Samia / Dr.Kamil (Odd)			
	BIOCHEM	ISTRY (LGIS)	FAMILY M	EDICINE		ANATOMY		PHYSIOL				
27-09-2025 Saturday	Derived lipids	Disaccharides &homopolysa ccharides	Approach to a chest p			Histology (Capillaries)	Embryology (Formation and partitioning of Ventricles)	PHYSIOLOGY (LGIS) Short term regulation of blood pressure blood p		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. Mohtasham (Even)	Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Odd)	Prof. Dr. Samia / Dr. Kamil (Even)	Dr. Fahd (Odd)		at the end	
		DISSECT	ION/CBL			PHYSIOLOG	GY (LGIS)	PHYSIOL	OGY (LGIS)			
29-09-2025 Monday	Superior N	Mediastinum (Trac Aoi (Coarctaioi	,	scending	reak	Splanchnic circulation, cutaneous circulation	Skeletal muscle blood flow, Cardiovascular changes during exercise	Congestive cardiac failure	Long term regulation of blood pressure	reak	Practical &CBL Topics mentioned at the end	SDL Biochemistry Compound lipids
		`	i oi Aoita)		B	Dr. Fareed (Even)	Dr Uzma (Odd)	Dr.Fareed (Even)	ProfDr. Samia / Dr. Kamil (Odd)	B		прис
		FICIAL LIGENCE	BIOCHEMIST	RY (LGIS)		ANATOMY	(LGIS)	PHYSIOL	OGY (LGIS)			
30-09-2025 Tuesday	Guest	Lecture	Disaccharides &homopolysac charides	Derived lipids		Embryology (Fetal Circulation)	Histology (Tunics of heart & Lyphatic System)	Long term regulation of blood pressure	Congestive cardiac failure		Practical &CBL Topics mentioned at the end	SDL Anatomy Innervation of Heart
	Prof. Dr. 1	Riaz Sheikh	Dr. Uzma/Dr. Aneela (Even)	Dr. Kahif (Odd)		Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Even)	Assoc. Prof. Dr. Mohtasham (Odd)	Prof.Dr. Samia /Dr. Kamil (Even)	Dr. Fareed (Odd)		at the end	Hour
01-10-2025 Wednesday						Е	arly Clinical Exposure					

(all subje	cts)	Truewen Siling		s (Anatomy/ Histology-	Day	Histolog	v Practica	l Bioch	emistry Practical			logy Practical		ysiology SGD		Bioch	emistry SGD
	nall Group D	Disscusion		enue Histology Laboratory	,	Batch	Teach		Teacher	1	Batch	Teacher	Batch	Teacher Name	1	Batch	Teacher
	nistry and Ph		(Dr. Kashif				Name	e	Name			Name					Name
Sr. No	Batch	Roll No.	(Biochemist Biochemist	s Test & Barfoed's Test try practical) venue- ry Laboratory tercise and posture on arterial	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	blood press Physiology	ure (Physiology –practical) Laboratory of Electrocardiography (ECG)	Tuesday	D		С	Dr. Nayab	НОБ	A	Dr. Sheena/ DrNazia/D r. Afsheen	В	Dr. Uzma/Dr. Farah	НОБ	Е	Dr. Almas
2.	В	71-140		y –practical). Physiology	Wednesday	E	Supervised by HOD	D	Dr. Uzma	Supervised by HOD	В	Dr. Uzma/ Dr. Farah/Dr/ Ramsha	С	Dr. Fahd/ Dr. Najam	pervised by HOD	A	Dr. Romessa
3.	С	141-210			Thursday	В	Superv	A	Dr. Almas	InS	D	Dr. Maryam/ Dr. Afsheen/ Dr. Farah	Е	Dr. Farid/ Dr. Ali Zain	InS	С	Dr.Romess a
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	No. 2 Batch	Distribution and V	Venues for	Anatomy	Small Group D	iscussion S	SGDs / Dissections			
			Biochemis	stry CBL- Atherosclerosis.	Batches	Ro	ll No	Ana	tomy Teacher				,	Venue			
				y CBL Palpitations /	A		-90	Dr Saj				re complex no.2	2				
				lia (Physiology Lecture Hall	В		-180		at ul Ain		•	Hall No.03					
			No.05)		С		1-270	Dr Zer				Hall No.04					
			Anatomy	CBL: Coarctation of Aorta	D	271- 0	onwards	Dr Ali				re complex no.3	3				
					. 5							yesha Yousaf					
C. N.	D 4 1	D II N	X 7	Table No. 3 Batc					Problem Based Le	earning (P.	BL) Sessic Venu		T	Tr.	1		
Sr No.	Batches A1	Roll No (01-35)	Venue Lecture Hall no.	05 Physiology Dr San	Teachers a Latif (Demostra		Sr No.	Batches C2	Roll No (176-210)	Lagtura		(Basement)	Dr. Mov	Teac ab Zonish (PGT Phys		**/	
1.	AI	(01-33)	Lecture Hall IIO.	Biochen		1101	0.	C2	(1/0-210)	Lecture	11411 110.04	(Dasement)	Di. Nay	au Zuiiisii (FUT Pilys	norog	y)	
2.	A2	(36-70)	Lecture Hall #.0				7.	D1	(210-245)	Lecture	Hall no.02	2 (Basement)	Dr. Iqra	Ayub (PGT Physiolo	gy)		
			Anatomy)		strator of Physio	logy)											
3.	B1	(71-105)	Anatomy Museu			·	8.	D2	(246-280)	Confere	nce Room	(Basement)	Dr. Rah		: .)	
4.	B2	(106-140)	Anatomy) Lecture Hall no.		trator Biochemis	try)	9.	E1	(281-315)	Nov. I -	cture Hall	no 01	· ·	Demonstrator Biochensha (PGT Physiology		y)	
4.	D2	(100-140)	Lecture Hall IIO.		kaza Demonstrator of	Anatomy)	9.	El	(201-313)	INEW Le	Ciule Hall	110.01	Di. Kai	iisiia (FUI Fiiysi0i0g	y)		
5.	C1	(141-175)	Lecture Hall no.		Zain (PGT Physic		10	E2	(315 onwards)	Lecture	Hall no.04	1		ad Hassan			
							<u> </u>						(Demon	strator Physiology)			
				T 11 N	C VI C I			during this w									
				Odd Roll Numbers	o. 6 Venues for L				Theater # 03								
				Even Roll Number					Theater # 02	1							
				Even Kon Number	INC	w Lecture I	ian Colli	piex Lecture	THEATEL # UZ	J							

Table No. 1 (Time: 12:20pm – 02:00pm)

Schedule for Practical / Small Group Discussion

Batch Distribution for Practical Skills

Topics for Skill Lab with Venue

First Year Timetable for CVS Module (Fourth Week) 02-10-2025 to 08-10-2025

D=4=/D=-	9.00 ANT	0.00 A N.E.	00.00 434	10.00 ANT	10:00am –		-11-20		2.10	12:10pm-	12:30pm –	II A
Date/Day	8:00 AM – 0		09:00 AM – 1	U:UU AIVI	10:20am		n-11:20am	11:20am-1		12:30pm	2:00pm	Home Assignment
02-10-2025 Thursday			osterior mediastinum		reak	,	Team	PHYSIOLO Fetal circulation & cardiac abnormalities in fetal circulation	Circulatory shock	ea k	Practical &CBL Topics mentioned at the end.	SDL Anatomy Superior Mediastinum
Thursday			(Contents)		В	TBL	, realir	Dr.Fahad (Even)	Prof. Dr. Samia Sarwar / Dr. Fareed (Odd)	Br	at the cha.	Superior ividualinain
Date/Day	8:00AM - 09	0:00 AM	09:00AM - 1	0:00 AM		10:00 AM - 11:00) AM	11:00 AM –	12:00 PM		•	1
	GYNAE (LGI		PHYSIOLOG	SY (LGIS)				PHYSIOLO	GY (LGIS)			
03-10-2025 Friday	Cardiova changes in p common diseas	regnancy, cardiac	Skeletal muscle blood flow, Cardiovascular changes during exercise	Splanchnic circulation, cutaneous circulation		Practical &CB Topics mentioned at Tuesday Batch 17-0	the end	Circulatory shock	Fetal circulation & cardiac abnormalities in fetal circulation		SDL Physiol Vectorial analysis &	
	Dr. Sara Eijaz (Even)	Dr. Sadia Bano (Odd)	Dr. Uzma (Even)	Dr. Fareed (Odd)				Prof. Dr. Samia Sarwar / Dr. Fareed (Even)	Dr .Fahad (Odd)			
	RADIOI (LGI		BIOMEDICAL CLU	B ACTIVITY III		ANATOMY (LC	GIS)	PHYSIOLO	GY (LGIS)			
04-10-2025 Saturday	Chest radiog perspect cardiovascul	raph with	PBL Te	eam	(Tunics of	Histology f heart & Lyphatic System)	Embryology (Fetal Circulation)	Coronary circulation, Atherosclerosis & acute coronary occlusion	Short term regulation of blood pressure	reak	Practical &CBL Topics mentioned at the end	SDL Physiology Cardiac cycle
	Dr Aniqua (Even)	Dr. Fiza (Odd)			Assoc. Pro	of. Dr. Mohtasham (Even)	Prof. Dr. Ayesha / Assoc Prof. Dr. Arsalan (Odd)	Prof.Dr. Samia/ Dr. kamil (Even)	Dr. Afsheen SDL (Odd)	В		
	PHARMAC	COLOGY	BIOCHEMIST	CRY(LGIS)		GYNAE &	OBS (LGIS)	PHYSIOLO	GY (LGIS)			
06-10-2025 Monday	Clinical Phar of Anti hyp drug	ertensive	Heteropolysaccharides	Prostaglandins			orders in pregnancy ension, pre-eclampsia)	Short term regulation of blood pressure	Coronary circulation, Atherosclerosis & acute coronary occlusion		Practical &CBL Topics mentioned at the end	SDL Biochemistry Prostaglandins
	(Even)	(Odd)	Dr. Kashif (even)	Dr. Aneela (Odd)	ķ	Dr Amna Abbasi (Even)	Dr. Farah Deeba (Odd)	Dr. Afsheen SDL (Even)	Prof. Dr. Samia/ Dr. Kamil (Odd)	*	at the cha	
		D	DISSECTION/SGD		a		ISTRY(LGIS)	EYE I		ಡ		
07-10-2025		Do	osterior Mediastinum		r e	Prostaglandins	Heteropolysaccharides	Retinal changes i	n hypertension	r e	Practical &CBL Topics mentioned	SDL Biochemistry Heteropoly
Tuesday			gous system of Veins)		B]	Dr. Aneela (even)	Dr. Kashif (Odd)	Dr. Maria (Even)	Dr. Saira (Odd)	B	at the end	saccharides
08-10-2025 Wednesday			DISSECTION/SGD tional Anatomy / Radiole	ogy			ESSION II) . Team	Practical Topics mentior Wednesday Bat	ned at the end		Practical &CBL Topics mentioned at the end	SDL Anatomy Posterior Mediastinum Online ClinicalEvaluation

								(F) 10	• • • • • • • • • • • • • • • • • • • •									
							Table No. 1	l (Time: 12	20pm – 02:	* '								
		Practical Skills		Topics for Skill Lab with Venue					T =		for Praction		Group Discussion					
(all subje			•	Medium & Small Sized Veins		Day	U	y Practical		mistry Practical			logy Practical		nysiology SGD	_		emistry SGD
	nall Group D			(Anatomy/ Histology-practical) ve			Batch	Teacher	Batch	Teacher		Batch	Teacher	Batch	Teacher Name		Batch	Teacher
	nistry and Ph	• • •	4	Histology Laboratory (Dr. Kashif)				Name		Name			Name			_		Name
Sr. No	Batch	Roll No.	•	Iodine Test (Biochemistry practical venue- Biochemistry Laboratory Cardiopulmonary resuscitation (C (Physiology –practical) Physiology	PR)	Monday	С		В	Dr. Rahat		E	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) (Physiolog	e	Tuesday	D	Q	С	Dr. Romessa	НОД	A	Dr. Sheena/ DrNazia/D r. Afsheen	В	Dr. Uzma/Dr. Farah	НОБ	E	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	A	Dr. Romessa
3.	С	141-210				Thursday	В	Supervised	A	Dr. Almas	Suy	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 Venu	ie			Table l			Venues for	r Anatomy	Small Group Di	scussion	SGDs / Dissections			
			•	Biochemistry Heteropolysaccharide		Batches	Ro	ll No	Anat	omy Teacher					Venue			
				CBL (Biochemistry Basement dem	0	A		1-90	Dr Sajja				re complex no.2					
				room)		В		-180	Dr Qur	ıt ul Ain	Anaton	ny Lecture	Hall No.03					
			•	Physiology tutorial- Regulation of l		C	181	1-270	Dr Zen	eara		,	Hall No.04					
				pressure (Physiology Lecture Hall	No.05)	D	271- c	onwards	Dr Ali	Raza	New Le	ecture theat	re complex no.3					
													yesha Yousaf					
				Table No	o. 3 Batcl	h Distribution wi	ith Venues a	nd Teacher	s Name for	Problem Based Le	earning (P	PBL) Session	ons					
Sr No.	Batches	Roll No	Venu	ie		Teachers		Sr No.	Batches	Roll No		Venu	ie		Teac	hers		
1.	A1	(01-35)	Lec	cture Hall no.05 Physiology	Dr. Sana	Latif (Demostra	ntor	6.	C2	(176-210)	Lecture	Hall no.04	(Basement)	Dr. Nav	ab Zonish (PGT Phys	iolos	v)	

			Table I	No. 3 Batch Distribution with Venues a	and Teach	iers Name fo	r Problem Based L	earning (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 (Basement)	Dr. Nayab Zonish (PGT Physiology)
				Biochemistry)					
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	7.	D1	(210-245)	Lecture Hall no.02 (Basement)	Dr. Iqra Ayub (PGT Physiology)
			Anatomy)	(Demonstrator of Physiology)					
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Romessa	8.	D2	(246-280)	Conference Room (Basement)	Dr. Rahat Afzal
			Anatomy)	(Demostrator Biochemistry)					(Senior Demonstrator Biochemistry)
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)	Dr. Ali Raza	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

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 Assessment	Focal person	Department Responsible
		Thursday 18-09-2025	7:00 pm-7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Friday 19-09-2025	7:00 pm-7:30pm	Prof. Dr Samia Sarwar	Physiology
First Year	CVS	Saturday 20-09-2025	7:00 pm-7:30pm	Dr Aneela Jamil	Biochemistry
MBBS	Module	Thursday 25-09-2025	7:00 pm-7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
		Friday 26-09-2025	7:00 pm-7:30pm	Prof. Dr Samia Sarwar	Physiology
		Saturday 27-09-2025	7:00 pm-7:30pm	Dr Aneela Jamil	Biochemistry

First Year Timetable for CVS Module (Fifth Week) 10-10-2025 to 16-10-2025

DAY/ TIME	8:00AM- 02:00pm
10-10-2025 Thursday	
11-10-2025 Friday	
12-10-2025 Saturday	
14-10-2025 Monday	Assessment Week
15-10-2025 Tuesday	
16-10-2025 Wednesday	

SECTION VII

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

									Domains	: C-Core	Subje	t (70%) Levels	C1-C2,	HV- Horizo	ntal & \	/ertical	Integra	ation (2	0%) Levels (2-C3, S-	Spiral I	ntegr	ration (1	10%) Lev	els C2-C3							
										The	ory (Cognitiv	ve) Asse	essment	t										F	Practical (Skill & Attitud	de) Assessn	nent				
Assessment														Grand Total	Total Time of Module Assessment																		
		C	HV S	Tota	al M	larks	С	Total	Marks	С	HV	S	Total	Marks	С	HV	S	Total		,		C H	IV S	Total	Marks			Viva	Сору	Total			
First Module Physiology 19 4 2 25 25 1 1 5 3 1 1 5 25 3 1 1 5 3 1 1 5 25 3 1 1 5 5 3 6 HRS Biochemistry 19 4 2 25 25 1 1 5 3 1 1 5 25 3 1 1 5 25 3 1 1 5 5 5 50 100 200 6 HRS															6 HRS																		
First Module Physiology 19 4 2 25 25 1 1 5 3 1 1 5 25 3 1 1 5 25 3 1 1 5 25 3 1 1 5 5 5 0 100 200 6 Biochemistry 19 4 2 25 25 1 1 5 3 1 1 5 25 3 1 1 5 25 3 1 1 5 5 5 0 100 200 6															6 HRS																		
Biochemistry 19 4 2 25 25 1 1 5 3 1 1 5 25 3 1 1 5 25 3 1 1 5 25 3 1 1 5 5 5 50 10														100	200	6 HRS																	
Formative- Weel	Biochemistry 19 4 2 25 25 1 1 5 3 1 1 5 25 3 1 1 5 45 By LMS Based Assessment of 30 MCQs (10 MCQs per Subject)																																
Formative- Weekly LMS Based Assessment of 30 MCQs (10 MCQs per Subject)																																	
										The	ory (Cognitiv	ve) Asse	essment	1										F	Practical (Skill & Attitud	de) Assessn	nent				Total Time of
	Subject			MCQs				EMC	Qs			SAQs				SEQs			Marks				A	V OSPE		Time			OSVE			Grand Total	Module
		С	HV S	Tota	al M	larks	С	Total	Marks	С	HV	S	Total	Marks	С	HV	S	Total		Theory	lime	СН	IV S	Total	Marks		writing	Viva	Сору	Total	Marks		Assessment
Second	Anatomy	19	4 2	25		25	1	1	5	3	1	1	5	25	3	1	1	5	45	100	2 HRS	7 2	2 1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Module	Physiology	19	4 2	25		25	1	1	5	3	1	1	5	25	3	1	1	5	45	100	2 HRS	7 2	2 1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
iviodule	Biochemistry	19	4 2	25		25	1	1	5	3	1	1	5	25	3	1	1	5	45	100	2 HRS	7 2	2 1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Formative- Weel	kly LMS Based Assessr	nen tof	30 MC	Qs (10	MCQs	per Su	bject))																									

Plack	Subjects		LMS E	Base	d Assess	sment			OSPE				Gran	Total Block
Block	Subjects			N	ICQs		LabOSPE	IOSPE	COSPE	Total	Marks	Time	Total	Time
		С	HV	S	Total	Time	С	HV	S	TOtal	IVIAINS	Tillle	Total	
	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

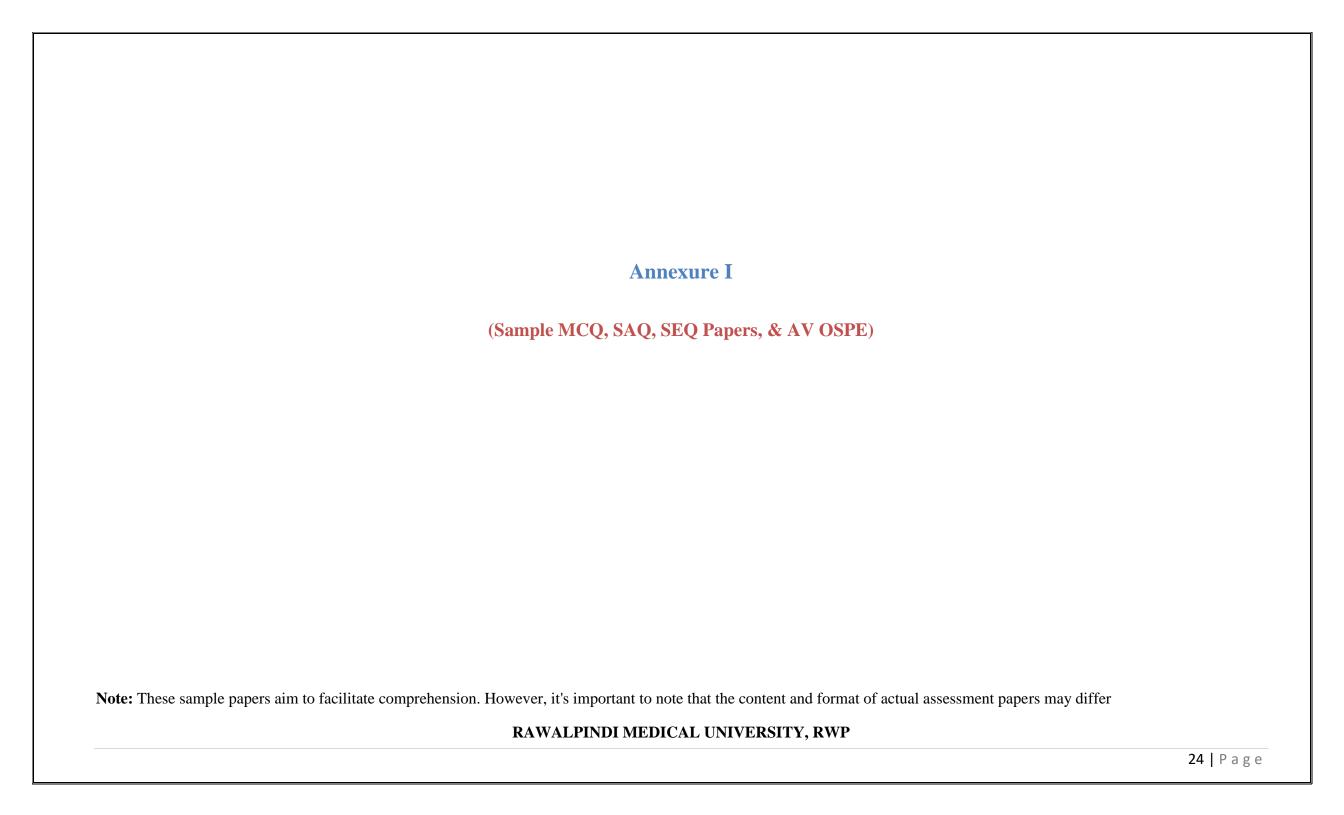
50% Questions/OSPE Stations/Viva Stations will be from Foundation Module and 50% Questions will be from MSK-1 Module

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

Marks per

	MCQ=1	EMQ=5	SAQ= 5	SEQ= 9	AVOSPE= 5	OS
	OSPE Time=	1 Round of 40 S	Students =80 min			
3 Round of 40 Students =240 min						
	OSVE	=Time per stud	ent=5mins			

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



ANATOMY DEPARTMENT 1ST YEAR MBBS MCQS CVS MODULE EXAM

- 1. A medical student while studying a lung specimen noticed number of grooves on the mediastinal surface of left lung, most likely structure producing these grooves is
 - a. Azygous vein
 - b. Inferior vena cava
 - c. Right lymphatic duct
 - d. Ascending aorta
 - e. Esophagus

Note: MCQs on USMLE Pattern

- 3. The direct branches of descending thoracic aorta are
 - a. Inferior thyroid artery
 - b. left subclavian artery
 - c. Internal thoracic artery
 - d. Right bronchial artery
 - e. Posterior intercostals for 3-11 intercostal spaces
- 5. In anteroseptal wall MI the posterior 1/3rd of interventricular septum was spared because it receives its blood supply from
 - a. Marginal branch of RCA
 - b. Anterior descending artery
 - c. Posterior descending artery
 - d. Circumflex artery
 - e. Diagonal artery

- 2. The structure of right ventricle that lodges RBB of conducting system is
 - a. Supraventricular crest
 - b. Septomarginal trabeculae
 - c. Trabeculae carnii
 - d. Septal papillary muscle
 - e. Chordate tendinae
- 4. In anteroseptal wall MI the posterior 1/3rd of interventricular septum was spared because it receives its blood supply from
 - a. Marginal branch of RCA
 - b. Anterior descending artery
 - c. Posterior descending artery
 - d. Circumflex artery
 - e. Diagonal artery

RAWALPINDI MEDICAL UNIVERSITY CVS MODULE EXAMINATION 1ST YEAR MBBS ANATOMY, SEQ'S PAPER

1.	a. Give characteristic features of interior of right ventricle.	(4)
	b. What is a moderator band?	(2)
	c. Define sudden death syndrome.	(3)
2.	a. What is Secondery Heart Field	(2)
	b. Discuss formation and partitioning of heart tube.	(4)
	c. Enlist different types of interatrial septal defects.	(3)

RAWALPINDI MEDICAL UNIVERSITY

CVS MODULE EXAMINATION 1ST YEAR MBBS PHYSIOLOGY, MCQ PAPER

- 1. When the radius of resistance vessels is increased there will be increase in:
 - a. Capillary blood flow
 - b. Diastolic blood pressure
 - c. Hematocrit
 - d. Systolic blood pressure
 - e. Viscosity of blood
- 3. A physiologist while teaching the concept of Starling forces directs his students with the subsequent data to calculate the net force. Pressure in the capillary in muscle= 35 mm Hg at the arteriolar end, 14 mm Hg at the venular end. The interstitial pressure= 0 mm Hg. The colloid osmotic pressure is 25 mm Hg in capillary and 1 mm Hg in interstitium. The net force producing fluid movement across the capillary wall at its arteriolar end is:
 - a. 10mmHg filtration
 - b. 11mmHg filtration
 - c. 11mmHg reabsorption
 - d. 3mmHg filtration
 - e. 3mmHg reabsorption

Note: MCQs on USMLE Pattern

- 5. Neural control of circulation predominates over local control in the:
 - a. Brain
 - b. Heart
 - c. Kidney
 - d. Skeletal muscle
 - e. Skin

- 2. Turbulence in a blood vessel is inversely proportional to the:
 - a. Viscosity of blood
 - b. Velocity of blood flow
 - c. Diameter of the vessel
 - d. Density of fluid inside the vessel
 - e. Reynolds' number
- 4. In local control of blood flow the most significant regulatory mechanism is the:
 - a. Release of adrenal medullary catecholamines
 - b. Local concentration of metabolites
 - c. Local concentration of cellular nutrients
 - d. Sympathetic activation of blood vessels
 - e. Sympathetic inhibition of blood vessels

RAWALPINDI MEDICAL UNIVERSITY CVS MODULE EXAMINATION 1ST YEAR MBBS PHYSIOLOGY, SEQ'S PAPER

- Q.1 a. Draw and label a normal electrocardiogram. (6)
- b. Give the normal duration of PR Interval, (2)
- c. In which condition the PR Interval is prolonged. (1)
- Q.2 a. Define cardiac output. (2)
- b. Give its normal values in males and females. (1)
- c. Discuss factors causing hypoeffective heart. (6)

Physiology Sample of EMQ

Hypertension Physiology and Management

Instructions: Match the following options (A-E) with the descriptions or statements (1-5) below.

Options:

- A. Nitric Oxide
- B. Aldosterone
- C. Amlodipine
- D. Lifestyle Modifications
- E. Angiotensin Receptor Blockers (ARBs)

Statements: -

- 1. This hormone increases sodium reabsorption in the kidneys, leading to increased blood volume and blood pressure.
- 2. Medications that block the effects of angiotensin II on blood vessels, promoting vasodilation and lowering blood pressure.
- 3. Important strategies including diet and exercise to manage hypertension.
- 4. A calcium channel blocker that relaxes blood vessels by inhibiting calcium influx into vascular smooth muscle.
- 5. Endogenous vasodilator released by endothelial cells that helps regulate blood pressure.

Match the options with the statements:

Answers:

A-5

B-1

C-4

D-3

E-2

1ST YEAR MBBS CVS MODULE

1. The process of interconversion of anomeric forms of sugars is called as	2. The following is the dimer of glucose only
a. Fermentation	a. Sucrose
b. Epimerism	b. Lactose
a. Mutarotation	b. Maltose
c. Ester formation	c. Mannose
d. Autorotation	d. Ribose
3. The following sugar does not form the osazone crystals	4. Cholesterol is involved in the synthesis of the following type of hormones
a. Lactose	a. Peptide
b. Maltose	d. Steroid
c. Glucose	b. Amine derivative
d. Fructose	c. Protein
c. Sucrose	d. Glycoprotein
GEO.	
<u>SEQ</u>	
Q. a. Define with examples: anomers a	and epimers. 03
b. Describe structure Glycolipids	03
c. Discuss functions of glycolipids	s. 03

CVS MODULE EXAMINATION 1ST YEAR MBBS EMOS PAPER

A 50-year-old man arrives at the emergency department complaining of sudden chest pain that radiates to his left arm. He appears sweaty and distressed. The nurse notes his blood pressure is 160/90 mmHg, pulse is 100 bpm, and respiratory rate is 22/min. An ECG shows ST-segment elevation in leads II, III, and aVF.

Match the types of heart conditions with their descriptions:

Types of Heart Conditions:

- A. STEMI (ST-Elevation Myocardial Infarction)
- B. NSTEMI (Non-ST-Elevation Myocardial Infarction)
- C. Unstable angina
- D. Stable angina
- E. Coronary artery spasm

Descriptions:

This condition is characterized by ST-segment elevation on the ECG, indicating a complete blockage of a coronary artery and heart muscle damage.

This condition typically presents with elevated cardiac enzymes and may show ECG changes like ST-segment depression or T-wave inversion, indicating partial blockage of a coronary artery.

Chest pain caused by reduced blood flow to the heart muscle but does not result in permanent damage or elevated cardiac enzymes.

Chest pain due to transient narrowing of coronary arteries, often unrelated to physical exertion or emotional stress.

Chest pain that occurs predictably during physical exertion or stress and resolves with rest or medication.
Matching:
Type A:
Type B:
Type C:
Type D:
Type E:

RAWALPINDI MEDICAL UNIVERSITY DEPARTMENT OF BIOEHTICS 1ST YEAR MBBS CVS MODULE

- 1. ----Includes rules of conduct that may be used to regulate our activities concerning the biological world. a. Bio-piracy b. Biosafety c. Bioethics d. Bio-patents e. Bio-logistic 3. Following is not code of ethics. a. Integrity b. Objectivity c. Confidentiality d. Behaviour e. Autonomy 5. -----Principle requiring that physicians provide, positive benefits a. Justice b. Autonomy c. Beneficence d. Veracity
- 2. The right of patients having self-decision is called.
 - a. Justice
 - b. Autonomy
 - c. Beneficence
 - d. Veracity
 - e. Fidelity
- 4. -----in the context of medical ethics, if it's fair and balanced
 - a. Justice
 - b. Autonomy
 - c. Beneficence
 - d. Veracity
 - e. Fidelity

e. Fidelity

Total Marks: 05	marks
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Time Allotted: 05 minutes

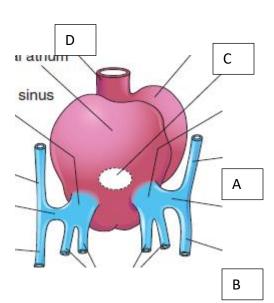
Requirements: Answer sheet, Pen

Objectives:

Section I: Core Concept B. Embryology

Slide No. 1

- I. Identify on the image
 - $\mathbf{A} \qquad (1)$
 - $B \qquad (1)$
 - C (1)
 - D (1)
- II. What is fate of structure 'B'



(1)

AV OSPE DEPARTMENT OF PHYSIOLOGY

Slide 1

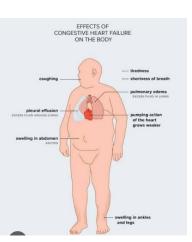
Total Marks: 05 marks

Time Allotted: 05 minutes

Requirements: Answer sheet, Pen

Objectives:

- Q 1 What could be possible cause of this illness (1)
- Q 2. Explain pathophysiology of right sided heart failure (1)
- Q3. Explain Pathophysiology of left sided heart failure (1)
- Q4. What is Ejection Fraction (1)
- Q5. What are Symtopms of right sided heart failure. (1)



DEPARTMENT OF BIOCHEMISTRY

Slide 1

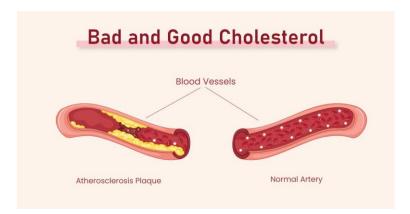
Total Marks: 05 marks

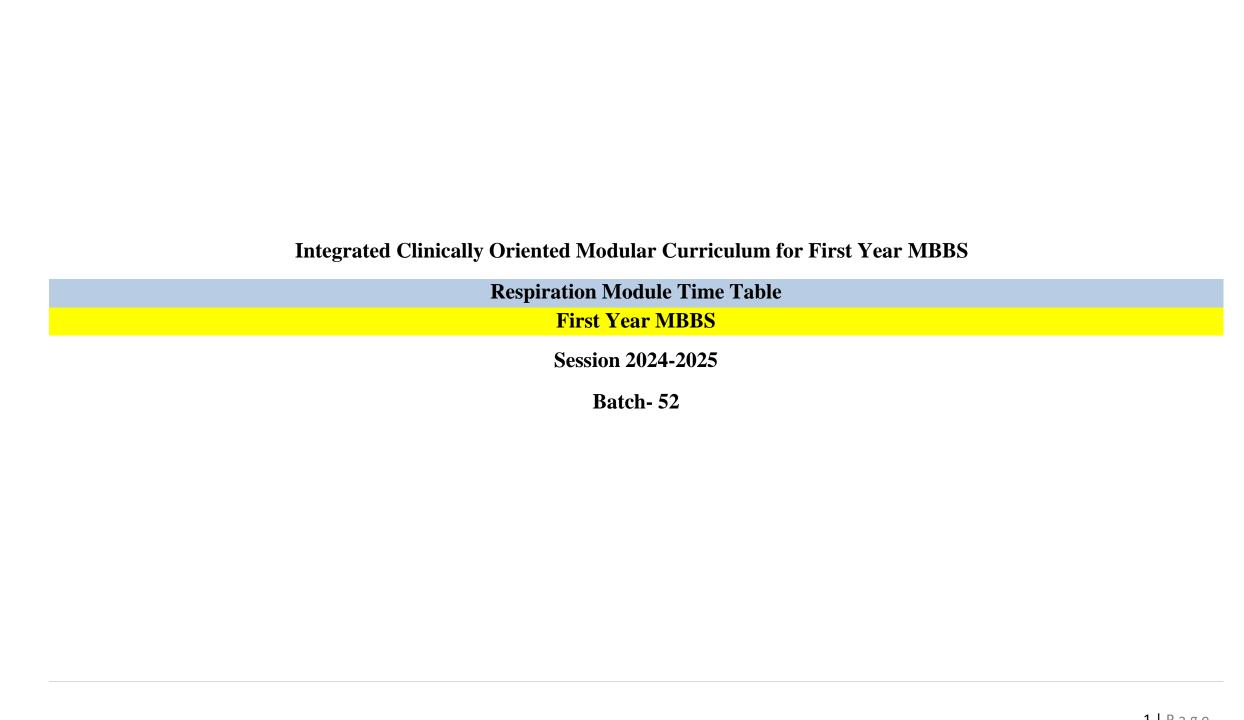
Time Allotted: 05 minutes

Requirements: Answer sheet, Pen

Objectives:

- a. What is good and bad cholesterol? (1)
- b. Briefly discuss the structure of cholesterol. (1)
- c. What is normal range of plasma cholesterol. (1)
- d. What is the most important carrier of cholesterol in Plasma (1)
- e. How is plasma cholesterol level lowered. (1)





Respiration Module Team

Module Name : Respiration Module

Duration of module : 04 Weeks Coordinator : Dr. Rahat

14. Focal Person Family Medicine

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

Dr. Sadia Khan

	Module Comr	nittee		N	Module Task Force Team
1.	Vice Chancellor RMU	Prof. Dr. Muhammad Umar	1.	Coordinator	Dr. Rahat (APWMO 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 (APWMO 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			
	E 1D DI '1	D 0'1 II '1		מ	rear and the management of the control of the contr
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
8.	Focal Person Biochemistry	Dr. Sidra Hamid Dr. Aneela Jamil	1. 2.		1
	, c,		1. 2. 3.	Director DME Assistant 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 Year MBBS	Prof. Dr. Ifra Saeed Dr. Farzana Fatima Prof. Dr. Ifra Saeed
8. 9.	Focal Person Biochemistry Focal Person Pharmacology	Dr. Aneela Jamil Dr. Zunera Hakim		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		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. 10. 11.	Focal Person Biochemistry Focal Person Pharmacology Focal Person Pathology Focal Person Behavioral Sciences	Dr. Aneela Jamil Dr. Zunera Hakim Dr. Asiya Niazi Dr. Saadia Yasir		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 Anatomy	Embryology	Histology	Gross Anatomy					
	 Anatomy 	•	Development of RespiratorySystem	 Microscopic Anatomy of Upper & Lower Respiratory System 	Gross Anatomy of Upper & Lower Respiratory System					
	Biochemistry	-	• pH, Electron transport chain, Oxidative phosphorylation, Water soluble vitamins riboflavin, biotin, pyridoxine, pantothenic acid, Normal acid base regulation							
	 Physiology 	 Pulmonary Ventilation, Pulmonary Volumes and Capacities, Alveolar Ventilation, Functions of the Respiratory Passageways Pulmonary Circulation, Pulmonary Edema, Physical Principles of Gas Exchange; Diffusion of Oxygen and Carbon Dioxide Through the Respiratory Membrane Transport of Oxygen and Carbon Dioxide in Blood and Tissue Fluids Regulation of Respiration Useful Methods for Studying Respiratory Abnormalities, Respiratory Insufficiency, Hypoxia & Oxygen Therapy, Hypercapnia & Artificial Respiratory changes during Exercise, Aviation, Space & Deep-Sea Diving Physiology 								
III			Spira	al Courses						
1111	 The Holy Quran 	Immaniat- V & VI								
	Translation	• Ibaadat-	• Ibaadat-V							
	 Family Medicine 	Approach to a patient with cough hemoptysis & shortness of breath								
	 Behavioral Sciences 	 Personality 	development and theories							
			Vertica	al Integration						
	Medicine	Tuberculosi	S							
	 Pathology 	Clinical disc	orders of Respiration							
	• ENT	Foreign bod	y nose & ear &Tonsillitis							
	Community Medicine	e • Smoking	-							
	•	Prevention a	Prevention and control of Tuberculosis							
				al Exposure (ECE)						
	 Medicine 	• •	a Observe/see patients							
			s & see Asthma case COPD cases							
			losis cases with fibrosis of lungs							
	Surgery	See cases of Flail chest & Pneumothorax								
		• Chest in	tubation							

 Radiology 	Radiology of chest	
	 Radiology of chest Chest X-ray at different level with reference to Anatomy and Pathologies 	
	Chest II Tay at different level with reference to I matering and I amoregies	

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 AnatomyOf 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 Resource	Total number of teaching 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.	Large Group Interactive Session (LGIS)	2*08 = 16 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***		
 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) 	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	Physiology of unusual environment. • Mechanics of pulmonary ventilation & compliance (Second	Category C*** CBL • Wheeze/Strid or • Crib Death	• Measurement of different lung volume & capacities with the help of spirometer • Recording of normal and	Self-Directed Learning (SDL) (OFF CAMPUS) • Mechanics of pulmonary ventilation, Lung compliance • Pulmonary
 Space physiology (Prof. Dr. Samia Sarwar/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 respiratory tract (By Dr. Shmyla) Ventilation perfusion ratio (By Dr. Shmyla) Lung function teRespiratory abnormalities (COPD, Tuberculosis, Pneumonia, 		Sarwar/Dr Nayab)		week) • Ventilation perfusion ratio & regulation of respiration (Second week)		modified movement of respiration (Stethography) Clinical examination of chest for respiration.	circulation Pulmonary volumes, capacities Transport of oxygen Chemical regulation of respiration & exercise changes Hypoxia, hypercapnia,
Atelectasis) • (By Dr. Shmyla)st (By Dr. Shmyla) • Hypoxia, hypercapnia, cyanosis (By Dr. Shmyla) Category A*: By Professor							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 / 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	Total Hours					
	Strategies						
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

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 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) 17-10-2025 To 23-10-2025

Date/Day	8:00AM - 09:00 AM	09:00AM – 10:00 AM		10:00 AM - 11:00	AM		AM – 12:00 PM		Home Assignn	nent.								
Date/Day	MEDICINE (LGIS)	PBL 1 (SESSION I)		ANATOMY (LG			LOGY(LGIS)											
17-10-2025 Friday	17-10-2025		Developme	nt of Nose & Paranasal sinuses	of Nose & Paranasal Histology of Respiratory		Pulmonary circulation & Pulmonary capillary lynamics. Physical principles of gas exchange & diffusion prough respiratory membrane	SDL Physic	ology Mechanics of pu Lung Complian									
	Dr. Sana Dr. Sara (Odd) (Even)		Prof. Dr	. Ayesha Yousaf (Even)	Assoct. Prof . Dr Mohtasham (Odd)	Dr. Faizania (Even)	Dr. Kamil (Odd)											
	8:00am – 09:00am	09:00am – 10:00am	10:00am – 10:20am	10:20am-1	1:20am	11:20a	m-12:10pm	12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment								
18-10-2025	DISSE	CTION SGD		BIOCHEMIS	STRY (LGIS)	PHYSIO	LOGY(LGIS)			an								
Saturday	Nose and Pa	Nose and Paranasal sinuses		, , , , , , , , , , , , , , , , , , ,		Pulmonary circulation & Mechanics of PH, PKa, Henderson- Electron transport chain Pulmonary capillary dynamics pulmonary			Practical & CBL Topics & venue mentioned at the end	SDL Anatomy Skeleton of thoracic wall								
				Dr Uzma Zafar (Even)	Dr. Aneela Jamil (Odd)	Dr. Kamil (Even)	Dr. Faizania (Odd)											
	DISSEC	TION/SGD		ANATOM			LOGY (LGIS)											
20-10-2025 Monday	Larynx a	Larynx and Trachea		d Trachea		Histology of Respiratorysystem1	Development of Nose & Paranasal sinuses	Transport of oxygen c	fulmonary volumes, capacities& functions of espiratory tract		Practical & CBL Topics & venue	SDL Biochemistry role of buffers in pH regulation HH						
	·		¥	Assoct. Prof. Dr Mohtasham (Even)	Prof. Dr. Ayesha (Odd)	Prof. Dr. Samia / Dr. Sheena (Odd)	Dr. Faizania (even)	a k	mentioned at the end	equation								
	DISSEC	TION/SGD	e a	PHYSIOLOGY (LGIS			MY (LGIS)	မ	Practical & CBL	SDL AI Artificial Intelligence basic								
21-10-2025 Tuesday	Overview of thoracic wall		Вг	Pulmonary volumes, capacities & functions of respiratory tract	Transport of oxygen	Histology of Respiratorysystem1	Development of Nose & Paranasal sinuses	Br	Topics & venue mentioned at the									
				Dr. Faizania (Odd)	Prof. Dr. Samia / Dr. Sheena (even)	Assoct. Prof. Dr Mohtasham (Even)	Prof. Dr. Ayesha (Odd)		end	concepts								
	DISSEC	TION/SGD		ANATOM	IY (LGIS)	PHYSIO	LOGY (LGIS)											
22-10-2025	Skeleton of thoracic wall (Ribs)										Histology of Respir system II		Development of Trachea and Larynx	Oxygen hemoglobin dissociation curve Ventilation perfusion ratio			Practical & CBL Topics & venue mentioned at the	SDL Anatomy Noseparanasal
Wednesday				Assoct. Prof. Dr. Mohtashim (Odd)	Prof. Dr. Ayesha (Even)	Sheena (even)	, , ,		end	sinus larynx and trachea								
	DISSECTION SGD	ENT (LGIS)		BIOCHEMIS			YSIOLOGY (LGIS)		Practical & CBL	SDL Physiology								
23-10-2025 Thursday	Joints of Thoracic Wall	Foreign body nose & ear &Tonsillitis		Oxidative phosphorylation	Normal pH regulation by buffers	Ventilation perfusion ratio	Oxygen hemoglobin dissociation curve		Topics & venue mentioned at the	Pulmonary circulation								
		Dr. Sundus Dr. Arshad (Even) (Odd)		Dr. Aneela Jamil (Even)	Dr. Khalid (Odd)	Dr. Nayab (even)	Prof. Dr. Samia / Dr. Sheena (Odd)		end									

					Table No	o. 1 (Time: 1	12:20pm –	02:00pm)								
	istribution fo	or Practical	Topics for Skill Lab with Venue	e				Schedule for I	Practical /	/ Small Gro	oup Discussion					
Skills (all subjects) CBL / Small Group Discussion (Biochemistry and Physiology) • Olfactory nasal mucosa/Epiglottis/ (Anatomy/ Histology-practical) venue Histology Laboratory (Dr.)			Histology Prac	ctical		ochemistry Practical		Physiolo	gy Practical	P	hysiology SGD		Bioche	mistry SGD		
(Biocher	nistry and P	hysiology)	venue Histology Laboratory (Dr Kashif)		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batc h	Teacher Name		Batch	Teacher Name
Sr. No	Batch	Roll No.	PH Meter (Biochemistry practic venue- Biochemistry Laboratory		С		В	Dr. Rahat	Ð	Е	Dr. Farid/Dr. Ali Zain	A	Dr. Sheena/Dr. Ali Zain	Ð	D	Dr. Uzma
1.	A	01-70	Measurement of different lung volume & capacities with the he spirometer (Physiology –practic Physiology Laboratory		D	НОБ	С	Dr. Romessa	Supervised by HOD	A	Dr. Sheena/ DrNazia	В	Dr. Uzma/Dr. Nazia	ised by HOD		Dr. Almas
2.	В	71-140	Thysiology Laboratory	Wednesday	Е	sed by	D	Dr. Uzma	lpervis	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	Supervis	I A	Dr. Romessa
3.	С	141-210		Thursday	В	Supervised by HOD	A	Dr. Almas	- īš	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zain	- Si	С	Dr. Romessa
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 Ven	ue		Table N		Distribution and Venu	ies for Ar	natomy Sn	nall Group Discus	ssion SG				
			Biochemistry tutorial- Electron		· ·											
			transport chain (Lecture Hall 0		01-50 Dr Sana			Anatomy Museum								
			Physiology CBL Wheeze/Strid			51-100 101-150		Dr Maryam Dr Summya		New Lecture Theatre Complex No.1 New Lecture Theatre Complex No.2						
			(Lecture Hall 05	С	101-150											
				D	151- 2		Dr Tayy		New Lecture Theatre Complex No.3							
				Е	201- 2			nera Saqib		New Lecture Theatre Complex No.4						
				F	251-300		Dr. Qur	at ul Ain	Anato	Anatomy Lecture Theatre 4						
				G	301-onwards Dr. Sajjad				Anato	omy Lectu	re Theatre 3					
											sha Yousaf					
								or Problem Based Lea	ırning (Pl							
Sr No.	Batches	Roll No	Venue	Teache		Sr No.	Batches	Roll No		Ve				achers		
1	A1	(01-35)	Į J	Or. Sana Latif (Demon Biochemistry)	ıstrator	6.	C2	(176-210)					ab Zonish (PGT Phy		gy)	
2	A2	(36-70)	Ecctare Han w.o. (15t 11001	Or. Farah Demonstrator of Phys	Farah nonstrator of Physiology)			(210-245)	Lecture	e Hall no.0	2(Basement)	Dr. Iqra	Ayub (PGT Physiol	ogy)		
3	B1	(71-105)		Dr. Romessa Demonstrator Biocher	mistry)	8.	D2	(246-280)	Confer	rence Roor	n(Basement)		hat Afzal Demonstrator Bioch	emist	ry)	
4	B2	(106-140)		Dr. Sajjad (Senior Den Anatomy)		9.	E1	(281-315)	New L	ecture Hal	l no.01	Dr. Raı	msha (PGT Physiolo	gy)		
5	C1	(141-175)	Lecture Hall no.05 (Basement)	Dr. Ali Zain (PGT Phy	rsiology)	10	E2	(315 onwards)	Lecture	e Hall no.0)4	Dr. Jawad Hassan (Demonstrator Physiology)			y)	

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) 24-10-2025 To 30-10-2025

24-10-2023 10 30-10-2023												
Date/Day	8:00AM – 09:00 AM	09:00AM – 10:00 AM		10:00 AM – 11:00	AM	11:00AN	11:00AM – 12:00 PM		Home Assignmen	t		
	QURAN TRANSLATION – I PBL 1 (SESSION II)			ANATOMY (I	LGIS)	PHYSIO	LOGY (LGIS)					
24-10-2025	Immaniat- V & Ibaadat-V		Developm	ment of Trachea and Larynx Histology of Respiratory T		Transport of CO2	Lung function test					
Friday	VI	PBL Team	_	•	system II			SE	DL Physiology Lungvolumes	and capacities		
	Mufti Naeem Molana Abdu		Pro	f. Dr. Ayesha (Odd)	Assoct. Prof.	Prof. Dr. Samia /				•		
	Sherazi (Even) Wahid (Odd				Dr. Mohtashim (Even)	Dr. Iqra (even)						
	8:00am – 09:00am	09:00 AM – 10:00am	10:00am - 10:20am		-11:20am	11:20am		12:10pm- 12:30pm	12:30pm – 2:00pm	Home Assignment		
25-10-2025	DISSECT	TION/SGD	10:20am		MISTRY (LGIS)	PHYSI	IOLOGY (LGIS)	12:30pm				
Saturday					Oxidative phosphorylation	Lung functiontest	Transport of CO2		Practical & CBL Topics &	SDL Physiology		
	Thoracic	Apertures		buffers		C	_		venue mentioned at the end	Transport of Oxygen		
		•		Dr. Khalid (Even)	Dr. Aneela Jamil (Odd)	Dr. Faizania (even)	Prof. Dr. Samia / Dr.					
							Iqra (Odd)					
	DISSECT	TION/SGD			MY (LGIS)		OGY LGIS			SDL		
27.10.2025	Movements of Thoracic Wall & Intercostal Spaces			Histology of Respiratory	Development ofLungs	Respiratory	Nervous regulation of		Practical & CBLTopics	Biochemistry		
27-10-2025 Monday				system III	D C D A 1 (O11)	abnormalities	respiration Prof. Dr. Samia / Dr.		& venue mentioned at theend	Role of buffers (chemical and		
Wioliday				Assoct. Prof. Dr. Mohtashim (Even)	Prof. Dr. Ayesha (Odd)	Dr. Faizania(Even)	Kamil (Odd)		theend	physiological)		
	DISSECTION/SGD	COMMUNITY MEDICINE		` ,	OMY (LGIS)	PHYSIOL	OGY LGIS			P/B/		
	DISSECTIONSGD	Smoking		Development of Lungs		Nervous regulationof	Respiratory	~	Practical & CBLTopics	SDL		
28-10-2025		Diaphragm Dr. Rizwana(Odd) Dr. Asif (Even)		Beveropment organgs	system	respiration	abnormalities	a J	& venue mentioned at	BiochemistrypH		
Tuesday	Diaphragm D			Rizwana(Odd) Dr Asif			III	1		e .	theend	meter and body
				Prof. Dr. Ayesha (Even)	Assoct. Prof. Dr.	Prof. Dr. Samia / Dr.	Dr. Faizania (Odd)	B r		buffers		
					Mohtashim(Odd)	Kamil (Even)						
	DISSECT	TION/SGD			MY (LGIS)		LOGY LGIS			SDL Anatomy		
				Development of	Histology of Respiratory	Hypoxia,	Chemical regulation		Practical & CBLTopics &	Movement of		
29-10-2025	Diapl	nragm		Diaphragm		hypercapnia, cyanosis	of respiration &		venue mentioned at theend	Thoracic Wall &		
Wednesday				Df. D., A1 (E)	IV Assoct. Prof. Dr.	De Massala (Essan)	exercise changes Prof. Dr. Samia /Dr.			Intercostal Spaces		
				Prof. Dr. Ayesha (Even)	Mohtashim (Odd)	Dr. Nayab (Even)	Kamil (Odd)			Online SDL Evaluation		
	DISSECT	DISSECTION/SGD		FAMILY ME	DICINE (LGIS)	PHYSIOLOGY (LGIS)				Evaluation		
30-10-2025				Approach to a p	patient with cough	Chemical regulation	Hypoxia,	1	Practical & CBLTopics &	SDL Physiology		
Thursday	Vasculature of thoracic wall			hemoptysis& si	hortness of breath	ofrespiration &	hypercapnia, cyanosis		venue mentioned at theend	Chemical regulation ofrespiration &		
~				Dr. Sidra Hamid (Even)	Dr. Sadia Khan (Odd)	exercise changes Prof. Dr. Samia /	Dr. Nayab	-		exercise changes		
				Di. Siura namiu (Even)	Di. Sadia Khan (Odd)	Dr. Kamil(Even)	Odd)					
			1	1	<u> </u>	Dr. Kanin(Even)	(Ouu)	l	1			

						Table No. 1	(Time: 12:2	20pm – 02:	00pm)								
	stribution for	Practical	Topics for Skill Lab w	vith Venue					Schedule	for Practic	al / Small	Group Discussi	on				
CBL / Sn	l subjects) nall Group D		Trachea (Anatomy/ Histovenue Histology Laborato		Day	Histology	Practical		ochemistry Practical		Physiolo	gy Practical	Phy	ysiology SGD		Biocher	mistry SGD
(Biochen	nistry and Ph	ysiology)	Arterial Blood Gasses (Bi	iochemistry		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name	Batch	Teacher Name		Batch	Teacher Name
Sr. No	Batch	Roll No.	practical) venue- BiochenLaboratoryRecording of normal and	d modified	Monday	С	Tune	В	Dr. Rahat		Е	Dr. Farid/ Dr. Ali Zain	A	Dr. Sheena/Dr. Ali Zain	T Q	D	Dr. Uzma
1.	A	01-70	movement of respiration ((Physiology –practical) Pl Laboratory		Tuesday	D	НОР	С	Dr. Romessa	Supervised by HOD	A	Dr. Sheena/ Dr. Nazia	В	Dr. Uzma/Dr. Nazia	Supervised by HOD	Е	Dr. Almas
2.	В	71-140			Wednesday	Е	ed by	D	Dr. Uzma	pervis	В	Dr. Uzma/ Dr. Farhat	С	Dr. Fahd	Ipervis	A	Dr. Romessa
3.	С	141-210			Thursday	В	Supervised by HOD	A	Dr. Almas	as a	D	Dr. Maryam/ Dr. Afsheen	Е	Dr. Farid/ Dr. Ali Zain	J.S.	С	Dr. Romessa
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			Table N	o. 2 Batch	Distribution and	Venues for	Anatomy	Small Group D	iscussion	SGDs / Dissections			
			Biochemistry CBL-Aci	id base	Batches	Rol	l No	Anato	my Teacher					Venue			
			imbalance (Lecture Hal		A	01	-50	Dr Sana	ı	Anatom	y Museum						
			Physiology CBL Crib	Death.	В	51	-100	Dr Mar	yam	New Le	cture Thea	tre Complex No	0.1				
			(Lecture Hall 05)		C		-150	Dr Sum	mya			tre Complex No					
					D		- 200	Dr Tayy	yaba			tre Complex No					
					Е		- 250		nera Saqib			tre Complex No	0.4				
					F		1-300		at ul Ain		y Lecture						
					G	301-c	nwards	Dr. Sajj			y Lecture						
				m.11.17.45								yesha Yousaf					
	D . 1	D. II.M	h .	Table No. 3 Batc						earning (Pl					,		
Sr No. 1.	Batches A1	Roll No (01-35)	Venue Lecture Hall no.05 Physiolo	ogy Dr. Sana Latif (Teachers DemonstratorE		Sr No. B 6.	C2	Roll No (176-210)		Venu Hall no.04		Dr. Naya	b Zonish (PGT Phys	iology	7)	
2.	A2	(36-70)	Lecture Hall #.04 (1st	Dr. Farah (Demonstrator)	of Physiology)		7.	D1	(210-245)		Hall no.02	<u> </u>	Dr. Iqra	Ayub (PGT Physiolo	gy)		
3.	B1	(71-105)	FloorAnatomy) Anatomy Museum (First	Dr. Romessa (Demonstrator)			8.	D2	(246-280)		nce Room		Dr. Raha	at Afzal Demonstrator Bioche	mietrs	<i>a</i>)	
4.	B2	(106-140)	FloorAnatomy) Lecture Hall no.03 (First Flo	The state of the s		or of	9.	E1	(281-315)	New Le	ent) cture Hall	no.01	1	sha (PGT Physiolog		,	
5.	C1	(141-175)	Lecture Hall no.05 (Baseme		GT Physiology)	10	E2	(315 onwards)	Lecture	Hall no.04	•	Dr. Jawa	d Hassan (Demonstr	ator P	nysiology	
					o. 6 Venues for									, , , , , ,		<u>61/</u>	
			0	Odd Roll Numbers		w Lecture Hal											
				D. II M		T , TT 1				_							

New Lecture Hall Complex Lecture Theater # 02

Even Roll Number

First Year Timetable for Respiratory Module (Third Week) 31-10-2025 To 06-11-2025

Date/Day	8:00 AM – 09:00 AM	09:00 AM – 10:00 AM		10:00 AN	M – 11:00 AM	11:00	AM – 12:00 PM		Home Assignr	nent
31-10-2025 Friday				Early Cl	inical Exposure (E	CCE)				
	8:00AM – 09:00 AM	09:00AM – 10:00 AM	10:00am - 10:20am		11:20am	11:20	am-12:10pm	12:10pm 12:30pm	- 12:30pm –2:00pm	Home Assignment
01-11-2025	JOINT SESSION	PBL 2 (SESSION I)	10:20aiii	ANATOM	Y (LGIS)	PHYSIO	LOGY (LGIS)	12:50pm		
Saturday	Respiratory DistressSyndrome	PBL Team		Histology of Respiratory system IV	Development of Diaphragm	Hypoxia, hypercap cyanosis	nia, Chemical regulation of respiration & exercise changes	- 	Practical & CBL Topics & venue mentioned at theend	SDL Physiology Hypoxia hypercapnia,
	Anatomy, Physiology, Biochemistry, Peads & Medicine			Mohtashim(Even)	Prof. Dr. Ayesha(Odd)	Dr. Faizania (Eve	en) Prof. Dr. Samia /Dr. Kamil(Odd)		mentioned at theend	cyanosis ology
	DISSEC	TION/SGD		BEHAVIOUI	R SCIENCES		LOGY (LGIS) Miscellaneous factors affecting	4		
03-11-2025 Monday	Diap	phragm		Person develop and the	pment	Space physiology	respiration (concept of voluntary control of respiration, lung J receptor, brain edema, anesthesia, chyne stokes breathing, sleep apnea		Practical & CBL Topics & venue mentioned at theend	SDL Biochemistry Pyridoxine
				Dr Muhamma	d Azeem Rao	Dr. Fareed (Even)	Prof. Dr Samia / Dr. Kamil (Odd)			
	DISSECTION/SGD	PATHOLOGY	*	ANATOM	IY (LGIS)		LOGY (LGIS)	×		
04-11-2025 Tuesday	Innervation of Thoracic Wall	Clinical disorders of Respiration Dr. Sara(Even) Dr. Aasia(Odd)	Brea	Thoracic I	Radiology	Miscellaneous factor respiration (concept of control of respiration, lu brain edema, anesthesia breathing, sleep	of voluntary ong J receptor, chyne stokes Space physiology	Brea	Practical & CBL Topics & venue mentioned at the	SDL Biochemistry Xenobiotic
				Dr. Mina	ahil Haq	Prof. Dr Sami Kamil (Eve			end	
05.11.2025	DISSECTION/SGD	PBL 2 (SESSION II)		BIOCHEMIS	. ,		LOGY (LGIS)		Practical & CBL	
05-11-2025 Wednesday	Pleura	PBL Team		Pyridoxin Pant ethnic acid biotin & Riboflavin	n	Deep sea physiology	High Altitude Physiology	_	Topics & venue mentioned at theend	SDL Anatomy Of diaphragm
				Dr. Almas (Even)	Dr. Uzma Zafar (Odd)	Prof. Dr. Samia /Dr. Nayyab (even)	Prof. Dr. Samia / Dr. Fareed (Odd)			
	DISSECTION/SGD	COMMUNITY MEDICINE		BIOCHEMIS	()		LOGY (LGIS)			
06-11-2025 Thursday	Lungs	Prevention and control of Tuberculosis		Xenobiotics	Pyridoxin &Pantothenic acid biotin &Rib of		physiology Fareed Prof. Dr. Samia /Dr.	- -	Practical & CBL Topics & venue mentioned at the	SDL Anatomy Lungs Online Clinical
		Dr. Rizwana (Odd) Dr. Asif (Even)		Dr. Uzma Zafar(even)	Lavin Dr. Almas (Odd)	(even)	Nayyab (Odd)		end	Evaluation

						Table No.	(Time: 12:2	0pm – 02:	00pm)								
Batch Di	stribution for	Practical	Topics for Skill Lab with Venue	e						for Practic	al / Small	Group Discussi	on				
	subjects)		Lungs (Anatomy/ Histology-		Day	Histology	Practical	Bio	ochemistry		Physiolo	gy Practical	Phy	ysiology SGD		Bioche	nistry SGD
	nall Group D		Lungs (Anatomy/ Histology-						Practical								
(Biochen	nistry and Phy	ysiology)	practical) venue Histology			Batch	Teacher	Batch	Teacher		Batch	Teacher	Batch	Teacher Name		Batch	Teacher
			Laboratory (Dr. Kashif)				Name		Name			Name					Name
Sr. No	Batch	Roll No.	Sample Preparation of Buffer		Monday	C		В	Dr. Rahat		Е	Dr. Farid/	A	Dr. Sheena/Dr.		D	Dr. Uzma
			Solution (Biochemistry									Dr. Ali		Ali Zain			
			practical) venue- Biochemistry							<u> </u>		Zain			HOD		
1.	A	01-70	Laboratory		Tuesday	D		C	Dr.	H	A	Dr.	В	Dr. Uzma/Dr.		E	Dr. Almas
			-				OD		Romessa	l by		Sheena/		Nazia	l by		
			Clinical examination of chest for respiration (Physiology –practical)				H,			ised		DrNazia			sed		
2.	В	71-140	Physiology Laboratory	a1 <i>)</i>	Wednesday	Е	Supervised by HOD	D	Dr. Uzma	Supervised by HOD	В	Dr. Uzma/	С	Dr. Fahd	Supervised	A	Dr.
			Thysiology Euroratory				isec			dn		Dr. Farhat			_ dn		Romessa
3.	С	141-210			Thursday	В	erv	A	Dr. Almas	\ \sigma_1	D	Dr.	Е	Dr. Farid/ Dr.	\ \sigma_2	C	Dr.
							dns					Maryam/		Ali Zain			Romessa
							01					Dr. Afsheen					
										_							
4.	D	211-280			Saturday	A		Е	Dr. Romessa		C	Dr. Fahd	D	Dr. Maryam/		В	Dr. Rahat
	_													Dr. Afsheen			
5.	Е	281-onwards	Topics for SGDs / CBL with Ven			_				√enues for	Anatomy	Small Group D		SGDs / Dissections			
			Biochemistry CBL – Vitamin bio	tin	Batches		l No	_	omy Teacher					Venue			
			and pantothenic acid uncouplers		A		1-50	Dr Sana			y Museum						
			(Lecture Hall 03)	c	В		-100	Dr Mar				tre Complex No					
			Physiology tutorial- physiology o unusual environmental (Lecture F)		C		-150	Dr Sum	•			tre Complex No					
			unusuai environmentai (Lecture F	1aii 03)	D		- 200	Dr Tay				tre Complex No					
					E		- 250	_	nera Saqib			tre Complex No	0.4				
					F		-300	,	at ul Ain		y Lecture						
					G	301-01	ıwards	Dr. Sajj		1	y Lecture						
					. 5							yesha Yousaf					
G. N	D 1	D. U.M.		No. 3 Batc					Problem Based Le	earning (Pl					,		
Sr No.	Batches	Roll No	Venue	5 0 -	Teachers			atches	Roll No		Venu				chers	`	
1.	A1	(01-35)	Lecture Hall no.05 Physiology		atif (Demonstrat	or	6.	C2	(176-210)		Hall no.04		Dr. Naya	b Zonish (PGT Physi	iology)	
2	4.5	(2 < 70)		Biochemist	ту)			Di	(010.515)	(Baseme				1 (DOTE TO 1)			
2.	A2	(36-70)	Lecture Hall #.04 (1st Floor	Dr. Farah	atom of Dhysi-1-	~~.)	7.	D1	(210-245)		Hall no.02		Dr. Iqra A	Ayub (PGT Physiolog	gy)		
	D.	(51.105)	Anatomy)		ator of Physiolog	gy)		D2	(0.1.5.000)	(Baseme			D 5 :				
3.	B1	(71-105)	Anatomy Museum (First Floor	Dr. Romes		···)	8.	D2	(246-280)		nce Room		Dr. Raha			`	
	D.0	(106.140)	Anatomy)	,	ator Biochemistr	•		F.1	(201 215)	(Baseme	,	0.1	1	Demonstrator Biocher)	
4.	B2	(106-140)	Lecture Hall no.03 (First Floor)		(APMO of Anat		9.	E1	(281-315)		cture Hall			sha (PGT Physiology		!1	
5.	C1	(141-175)	Lecture Hall no.05 (Basement)		n (PGT Physiolo	C3 /	10		(315 onwards)	Lecture	Hall no.04	•	Dr. Jawac	d Hassan (Demonstra	ator Ph	iysiology,	
			O.J. D. III.		o. 6 Venues for I												
			Odd Roll I				l Complex Le			4							

New Lecture Hall Complex Lecture Theater # 02

Even Roll Number

Tentative Schedule for LMS Based Weekly Online Assessments for First Year MBBS (Respiratory Module) Batch 51

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

Class	Module	Day & Date	Time of Assessment	Focal person	Department Responsible
		Friday 24 th October,2025	7:00 pm-7:30pm	Prof. Dr Ayesha Yousaf	Anatomy
First Year MBBS	Respiratory Module	Saturday 25 th October,2025	7:00 pm-7:30pm	Prof. Dr Samia Sarwar	Physiology
		Monday 27 th October,2025	7:00 pm-7:30pm	Dr Aneela Jamil	Biochemistry

Note: All dates are subject to change.

First Year Timetable for Respiratory Module (Fourth Week) 10-11-2025 To 19-11-2025

DAY/ TIME	8:00AM-9:00AM
10-11-2025	
Monday	
11-11-2025	
Tuesday	
12-11-2025	
Wednesday	
13-11-2025	
Thursday	Assessment Week
14-11-2025	
Friday	
15-11-2025	
Saturday	
16-11-2025	
Monday	Block Assessment
17-11-2025	210011120000000000000000000000000000000
Tuesday	
18-11-2025	
Wednesday	

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

SECTION VII

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

										Domain	s: C-Co	re Su	bject	(70%) Leve	s C1-(C2, HV-	- Horizo	ntal &	Vertica	Integ	ration (20%) Levels	C2-C3,	S-S	piral I	ntegr	ation (10%) Lev	els C2-C3		.4550					
												Theo	ry (Co	gnitiv	ve) Ass	essm	ent				777			100				-07		Practical (Skill & Attitu	de) Assessn	nent		100		
End of Module Assessment	Subject			М	CQs				EM	Qs			:	SAQs					SEQ	5		Mark	Total Marks Theory	Tota Tim	78		A	/ OSPE		Time	AED Reflective Writing		OSVE		Total Practical Marks	Grand Total	Total Time of Module Assessment
		C	HV	S	Total	Ma	irks	C	Total	Marks	C		HV	S	Tota	al Ma	rks	C	HV	S	Tota		mediy			CH	IV S	Total	Marks			Viva	Сору	Total	IVIUI KS		
1	Anatomy	19	4	2	25	2	5	1	1	5	3		1	1	5	2	5	3	1	1	5	45	100	2 HF	RS	7 2	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	2	5	3	1	1	5	45	100	2 HF	RS	7 2	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	2	5	3	1	1	5	45	100	2 HF	RS	7 2	2 1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Formative- Week	ly LMS Based Assess	sment o	f 30 I	VICQ s	(10 N	/ICQs p	oer Su	bject	t)																												
		3						· ·		M.							2		<u>v</u>	g.	2										115			9		2	
											- 0	Theo	ry (Co	ognitiv	ve) Ass	essm	ent								-					Practical (Skill & Attitu	de) Assessn	nent				Total Time of
End of Module Assessment	Subject			М	CQs				EM	Qs			3	SAQs					SEQ	s		Mark	Total Marks	Tota	22		A	/ OSPE		Time	AED Reflective		OSVE		Total Practical	Grand Total	Module
		C	HV	S	Total	Ma	rks	С	Total	Marks	C		HV	S	Tota	al Ma	rks	С	HV	S	Tota	A COMPA	Theory	Tim	e	СН	IV S	Total	Marks	\$79390000	Writing	Viva	Сору	Total	Marks	1000000	Assessment
Second	Anatomy	19	4	2	25	2	5	1	1	5	3		1	1	5	2	5	3	1	1	5	45	100	2 HF	RS	7 2	2 1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Module	Physiology	19	4	2	25	2	5	1	1	5	3		1	1	5	2	5	3	1	1	5	45	100	2 HF	RS	7 2	2 1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
iviodule	Biochemistry	19	4	2	25	2	5	1	1	5	3		1	1	5	2	5	3	1	1	5	45	100	2 HF	RS	7	2 1	10	50	50 min	15 min	45	5	50	100	200	6 HRS
Formative- Week	ly LMS Based Assess	smen to	f 30 I	VCQ s	(10 N	ACQs p	oer Su	bject	t)																												

Block	Subjects	9	LMS I	Base	d Assess	sment		JnV	OSPE				Gran	Total Block
DIOCK	Subjects			Λ	ICQs		LabOSPE	IOSPE	COSPE	Total	Marks	Time	a Total	Time
		С	HV	S	Total	Time	С	HV	S	IULai	IVIGIAS	THITE	TOTAL	And the second
	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

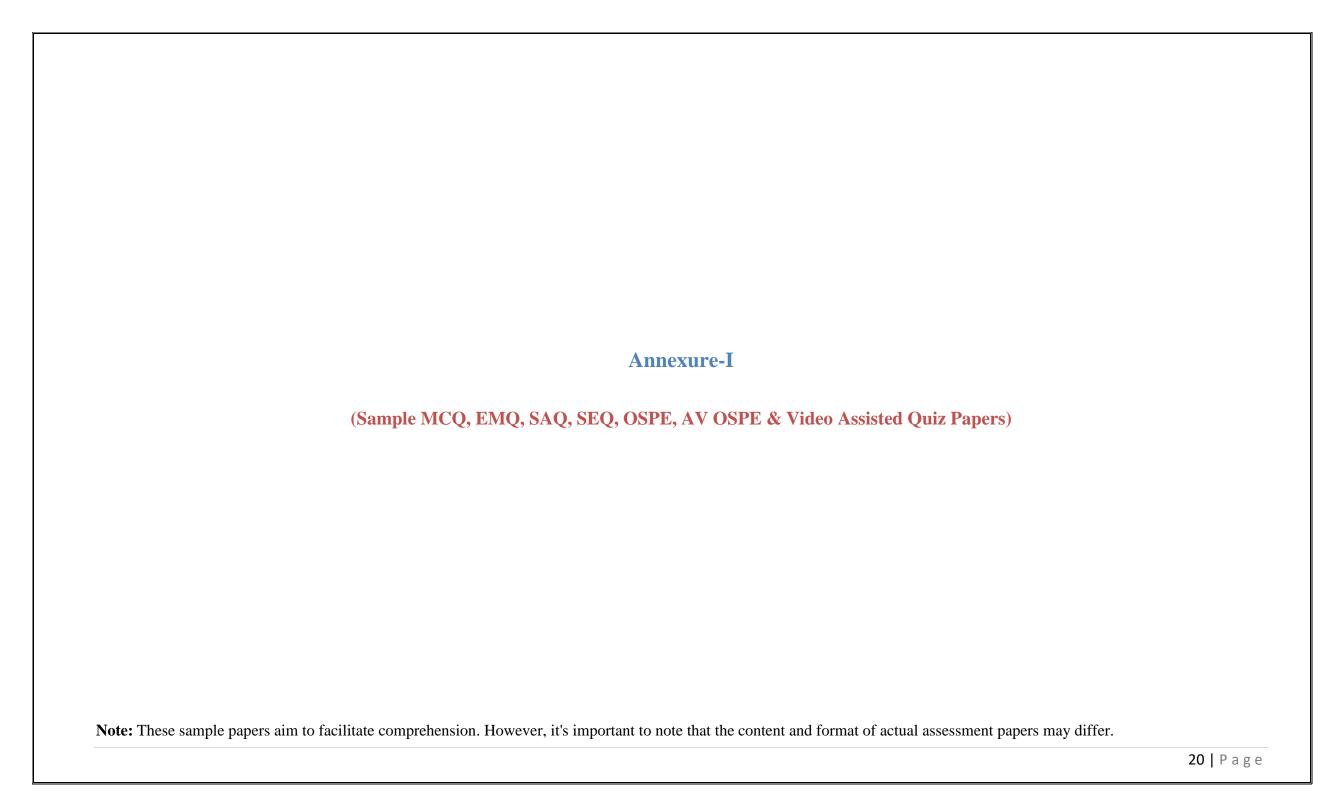
For Each assessment student will have to individually pass Theory and Practical components

Marks per

Iten

TOUTH	15	19391		- 25	24 84
MCQ=1	EMQ= 5	SAQ= 5	SEQ= 9	AVOSPE= 5	OSPE= 3
OSPE Time=	1 Round of 40 St	udents =80 min		5	
4	3 Round of 40 St	udents =240 min			
OSVE	=Time per stude	nt=5mins	·		

Weekly LMS Assessment											
Subjects	Anatomy	Physiology	DIOCHERRIS								
No of MCQs*	30	30	30								
Marks/MCQ	30	30	30								



RAWALPINDI MEDICAL UNIVERSITY ANATOMY DEPARTMENT 1ST YEAR MBBS MCQs RESPIRATORY MODULE EXAM

- 1. Radiographic examination of a patient with insufficient breathing movements reveals permanent elevation and paradoxical movement of one half of the diaphragm, most likely reason is
 - a. Irritation of diaphragm bilaterally
 - b. Unilateral damage of phrenic nerve
 - c. Injury to intercostal nerves on one side
 - d. Vagal stimulation
 - e. Damage to respiratory center

Note: MCQs on USMLE Pattern

- 3. Type I Pneumocytes covering approximately 95% of the alveolar surface are
 - a. Source of surfactant
 - b. Squamous & Thin
 - c. Having microvilli at apical surface
 - d. Joined with neighboring cells by adhering junctions
 - e. Also called dust cells
- 5. Non-ciliated dome shaped cells with apical ends bulging due to secretory granules; also involved in producing protein content of surfactants in the lining of bronchioles are
 - a. Type I pneumocytes
 - b. Type II pneumocytes
 - c. Clara cells
 - d. Brush cells
 - e. Goblet cells

- 2. Lymphatics from the back of thoracic wall drains into
 - a. posterior intercostal nodes
 - b. internal mammary nodes
 - c. anterior intercostal nodes
 - d. pectoral nodes
 - e. subdiaphragmatic node
- 4. A 60 years old man presented to OPD with edema of lower limbs, on investigations there is obstruction of the inferior vena cava, alternative pathway to return of blood to right atrium is provided by
 - a. Azygos vein
 - b. Inferior hemiazygos vein
 - c. Superior hemiazygos vein
 - d. Right subcostal vein
 - e. Internal thoracic vein

Note: MCQs on USMLE Pattern

RAWALPINDI MEDICAL UNIVERSITY ANATOMY DEPARTMENT 1ST YEAR MBBS SEQs RESPIRATORY MODULE EXAM

- 1. A person sustained multiple rib fractures in a road traffic accident. After this he developed a flail chest.
- a. What is the movement of chest wall in this condition? (3)
- b. Explain pump handle movement of chest wall. (3)
- c. Give contents of intercostal space. (3)
- 2. a. Give characteristic features of interior of right ventricle. (3)
- b. What is a moderator band? (3)
- c. Define sudden death syndrome. (3)
- 3. Discuss partitioning of heart tube. (3)
- b. Enlist different types of inter atrial septal defects. (3)
- c. Discuss formation of heart tube (3)
- 4. a. Discuss characteristic features of sinusoidal capillaries. (3)
- b. Draw and label elastic artery. (3)
- c. Give location and function of type II pneumocytes. (3)

RAWALPINDI MEDICAL UNIVERSITY

PHYSIOLOGY DEPARTMENT 1ST YEAR MBBS MCQs RESPIRATORY MODULE EXAM

- 1. When the radius of resistance vessels is increased there will be increase in:
 - a. Capillary blood flow
 - b. Diastolic blood pressure
 - c. Hematocrit
 - d. Systolic blood pressure
 - e. Viscosity of blood
- 3. A physiologist while teaching the concept of Starling forces directs his students with the subsequent data to calculate the net force. Pressure in the capillary in muscle= 35 mm Hg at the arteriolar end, 14 mm Hg at the venular end. The interstitial pressure= 0 mm Hg.The colloid osmotic pressure is 25 mm Hg in capillary and 1 mm Hg in interstitium. The net force producing fluid movement across the capillary wall at its arteriolar end is:
 - a. 10mmHg filtration
 - b. 11mmHg filtration
 - c. 11mmHg reabsorption
 - d. 3mmHg filtration
 - e. 3mmHg reabsorption

Note: MCQs on USMLE Pattern

- 5. Neural control of circulation predominates over local control in the :
 - a. Brain
 - b. Heart
 - c. Kidney
 - d. Skeletal muscle
 - e. Skin

- 2. Turbulence in a blood vessel is inversely proportional to the :
 - a. Viscosity of blood
 - b. Velocity of blood flow
 - c. Diameter of the vessel
 - d. Density of fluid inside the vessel
 - e. Reynolds' number
- 4. In local control of blood flow the most significant regulatory mechanism is the :
 - a. Release of adrenal medullary catecholamines
 - b. Local concentration of metabolites
 - c. Local concentration of cellular nutrients
 - d. Sympathetic activation of blood vessels
 - e. Sympathetic inhibition of blood vessels

RAWALPINDI MEDICAL UNIVERSITY

PHYSIOLOGY DEPARTMENT 1ST YEAR MBBS SEQs RESPIRATORY MODULE EXAM

Q3 A 50-year-old smoker progressively developed dyspnea and cough over a few months. After clinical examination and lung function tests he was diagnosed to be suffering from pulmonary emphysema.

a.	How ventilation perfusion ratio will be altered in this patient?	(5)
b.	Enumerate the muscles that elevate the chest cage during inspiration	(2)
c.	What is flial chest	(2)
Q.4	4 a. Discuss functional residual capacity in detail:	(5)
	b. Give normal values of vital capacity with its physiological role.	(2)
	c. Describe pathophysiology of Asthma	(2)

RAWALPINDI MEDICAL UNIVERSITY

BIOCHEMISTRY DEPARTMENT 1ST YEAR MBBS MCQs RESPIRATORY MODULE EXAM

- 1. Buffer has maximum buffering capacity when
 - a. pH is acidic
 - b. pH <pKa
 - a. pH = pKa
 - c. pH>pKa
 - d. pH is alkaline

- 2. NAD is the coenzyme in the following type of chemical reactions
 - a. Carboxylation
 - b. Phosphorylation
 - c. Decarboxylation
 - b. Oxidation reduction
 - d. Transamination
- 3. The following complex of electron transport chain is inhibited by Antimycin A
 - a. Complex I
 - b. Complex II
 - c. Complex III
 - c. Complex IV
 - d. Complex V

- 3. The following complex of electron transport chain is inhibited 4. Following complex of electron transport chain contains copper:
 - a. Complex I
 - b. Complex II
 - c. Complex III
 - d. Complex IV
 - d. Complex V

RAWALPINDI MEDICAL UNIVERSITY Sample Paper of EMQ

A 68-year-old woman presents to the emergency department with a productive cough, fever (temperature of 101°F), and shortness of breath. She has a history of chronic obstructive pulmonary disease (COPD) and diabetes mellitus. On examination, she appears dyspneic with decreased breath sounds and crackles on auscultation of her left lung base. Chest X-ray reveals consolidation in the left lower lobe.

and crackles on auscultation of her left lung base. Chest X-ray reveals consolidation in the left lower lobe.
Match the following types of pneumonia with their corresponding descriptions:
Types of Pneumonia:
A. Community-acquired pneumonia (CAP)
B. Hospital-acquired pneumonia (HAP)
C. Aspiration pneumonia
D. Viral pneumonia
Descriptions:
Pneumonia acquired outside of a healthcare setting, typically presenting with sudden onset of symptoms including fever, cough, and dyspnea.
Occurs in patients hospitalized for at least 48 hours, often associated with more resistant bacteria and higher risk of complications.
Results from inhalation of oral or gastric contents into the lungs, commonly seen in patients with impaired swallowing or altered consciousness.
Caused by viral pathogens such as influenza or respiratory syncytial virus (RSV), often presenting with more gradual onset of symptoms and less severe illness in healthy individuals.
Matching:
Type A:
Type B:
Type C:
Type D

RAWALPINDI MEDICAL UNIVERSITY 1ST YEAR MBBS BIOETHICS MCQs EXAM

1Includes rules of conduct that may	be used to	o regulate	our activities	concerning
the biological world.				

- a. Bio-piracy
- b. Biosafety
- c. Bioethics
- d. Bio-patents
- e. Bio-logistic
- 3. Following is not code of ethics.
 - a. Integrity
 - b. Objectivity
 - c. Confidentiality
 - d. Behavior
 - e. Autonomy
- 5----- Principle requiring that physicians provide, positive benefits
 - a. Justice
 - b. Autonomy
 - c. Beneficence
 - d. Veracity
 - e. Fidelity

- 2. The right of patients having self-decision is called.
 - a. Justice
 - b. Autonomy
 - c. Beneficence
 - d. Veracity
 - e. Fidelity
- 4----- in the context of medical ethics, if it's fair and balanced
 - a. Justice
 - b. Autonomy
 - c. Beneficence
 - d. Veracity
 - e. Fidelity

Rawalpindi Medical University Department of Anatomy Block-III OSPE 1st Year MBBS

For Candidate:

Station No. 1

Time Allowed: 1 Min 30secs

Histology sketch copy will be assessed for

- a. Complete index (1)
- b. Complete and signed diagrams (1)
- c. 2 ID points mentioned with each diagram (1)

Station No. 2

For Candidate: Time Allowed: 1 Min 30secs

- a. Identify slide A (1)
- b. Identify slide B (1)
- c. What are common locations of slide A in human body (1

Rawalpindi Medical University Department of Physiology Block-III OSPE 1st Year MBBS

For Candidate: Time Allowed: 2 Minutes

- A resident of internal medicine was examining a visibly dyspneic old man, he noted pulsations in the neck, he was confused about their nature. Enlist some maneuvers which will ascertain the nature of the pulsation.
- 2 Give 03 sites for recording arterial pulse. (0.5)

Rawalpindi Medical University Department of Biochemistry Block-III OSPE 1st Year MBBS

For Candidate: Station No. 1 Time Allowed: 2 Mins

Observed Station

Perform Iodine test. 03

For Organizer: Station No. 2

Observed Station

Observe the slide under the microscope. Give one identifying feature. 03

Rawalpindi Medical University Department of Anatomy Block-III AV OSPE 1st Year MBBS

Slide 1

Total Marks: 05 marks

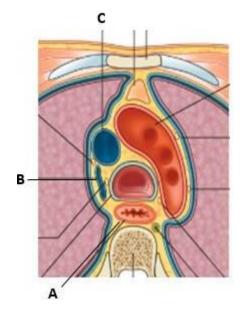
Time Allotted: 05 minutes

Requirements: Answer sheet, Pen

Objectives:

Cross Sectional Anatomy

- Q.1 Identify
 - A
 - F
 - (



Rawalpindi Medical University Department of Anatomy Block-III AV OSPE 1st Year MBBS

Slide 1

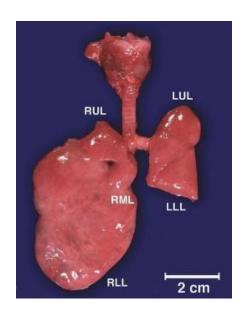
Total Marks: 05 marks

Time Allotted: 05 minutes

Requirements: Answer sheet, Pen

Objectives:

- Q.1 Name the Congenital Abnormality? (1)
- Q.2 Give Embryological basis of this condition? (1)
- Q.3. What is agenesis of lungs? (1)
- Q.4 What is Tracheoesophageal Fistula? (1)
- Q.5. Give Blood Supply of lungs? (1)



Rawalpindi Medical University Department of Biochemistry Block-III AV OSPE 1st Year MBBS

Respiratory distress syndrome (RDS) typically presents rapid, shallow breathing, flaring of nostrils, retractions (visible sinking of the chest between and under the ribs), and grunting sounds. It commonly occurs in premature infants.

Q.1 Which is the cause of respiratory distress syndrome? (1)

Q.2 How this condition can be managed? (1)

Q.3 What is the Importance of prematurity in this case? (1)

Q.4. What are the biochemical changes in this condition? (1)

Timetable for General Educational Cluster (GEC) and Social Sciences in Medicine (SSM)Module First Year MBBS (Batch-52) (First Week)

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 PM	12:15 PM – 02:00 PM		04:00 PM – 06:00 PM
	Bioethics	Holy Quran Translation		Social sciences	Seerat Mubarak		ITC	Expository Writing (1)	
20-11-2025 Thursday	Islamic Concept of Bioethics	Imaniat		Fundaments Of Sociology-I	The Significance of Seerah Studies		Introduction		
	Bioethics	Holy Quran Translation		Social sciences	Seerat Mubarak		ITC	Bioethics Club Activity (2)	Expositor (2)y (Writing
21-11-2025 Friday				Determenants of health	Importance of Hadees and Sunnah		Application and System Software		
	Bioethics	Holy Quran Translation	_	Holy Quran Translation	Seerat Mubarak		Social sciences	Social sciences	
22-11-2025 Saturday			Break		The importance of Hadith and Sunnah of the Prophet in religion.	Break	Impact of social class	Case studies	
	Leadership	Holy Quran Translation		Social sciences	Seerat Mubarak		Bioethics Club Activity (1)		
24-11-2025 Monday	Leadership Concepts			Health Behaviour	The life before the blessed birth and prophethood.				
25-11-2025 Tuesday	Leadership Leading Groups & Teams	Holy Quran Translation		Social sciences			FRIDAY PRAYER		
				Group discussions how social factors contribute to health disparities					
26-11-2025 Wednesday	Social Work at Hospital								

Timetable for General Educational Cluster (GEC) and Social Sciences in Medicine (SSM)Module First Year MBBS (Batch-52) (Second Week)

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 PM	12:15 PM – 02:00 PM	04:00 PM – 06:00 PM		
27-11-2025 Thursday	Enterpreneurship Prototype	Holy Quran Translation		Social sciences Illness Behaviour	Leadership Leadership Group Leadership Exercise		Bioethics Club Activity (3)			
28-11-2025 Friday	Enterpreneurship Ideate Initial Idea I	Holy Quran Translation	Вгеак	Social sciences Doctor Patient Relationship -I	File Management / Internet and Internet & Emails	Break	Videography Fundamentals of Videography Camera Operation Basic	ITC Online SDL		
29-12-2025 Saturday	Enterpreneurship Ideate Initial Idea II	Holy Quran Translation		Social sciences Doctor Patient Relationship -II	Artificial Intelligence (AI) Basic Concepts of AI		ITC Input & Output DevicesTypes of Software	Videography Shot Composition Techniques Introduction to Lighting		
01-12-2025 Monday	Enterpreneurship Ideate Initial Idea III	Holy Quran Translation		Holy Quran Translation	Artificial Intelligence (AI) Machine Learning & Deep Learning		Role play Doctor patient scenarios	Videography Ethical Considerations in Media Production		
02-12-2025 Tuesday	Enterpreneurship Vision / Founder Fit-I Vision / Founder Fit-II	Holy Quran Translation		Leadership Self Assessment	Artificial Intelligence (AI) Ethical Consideration		FRIDAY PRAYER	Videography Basic Video Production		
03-12-2025 Wednesday	Social Work at Hospital									
04-12-2025 Thursday	Social Work at Hospital									