

## Group D & E

Week 1 (2<sup>nd</sup> – 6<sup>th</sup> January 2017)

Theme: Cell, Cell membrane and Cell environment

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 - 09.30	Lecture: Islamiyah Venue: New Auditorium Instructor:	Lecture: Cell cycle & replication Venue: New Auditorium Instructor:	Lecture: pH and buffers Venue: New Auditorium Instructor:	Lecture: Biochemistry – MM Equation Venue: New Auditorium Instructor:	Lecture: Medical Ethics Venue: New Auditorium
09.30 - 10.30	Lecture: Functional organization of Human body Venue: New Auditorium Instructor:	Lecture: Structure & function of cell membrane Venue: New Auditorium Instructor:	Lecture: Cell organelles & their functions Venue: New Auditorium Instructor:	Lecture: Intercellular connections Venue: New Auditorium Instructor:	Lecture: Distribution of body fluids Venue: New Auditorium Instructor:
10.30 – 12.30			Self-Study		
01.00 - 03.00			Self-study		

SGD = Small group discussion CSS = Clinical skills sessions





### **Group D & E**

Wee	k 2 (9 <sup>th</sup> – 13 <sup>th</sup> January 2017)		•	The	eme: Biomolecules
Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	Lecture: Islamiyah Venue: New Auditorium Instructor:	Lecture: Homeostasis (P) Venue: New Auditorium Instructor:	Lecture: Control systems in the body (P) Venue: New Auditorium Instructor:	Lecture: Morphology of epithelial tissues (A) Venue: New Auditorium Instructor:	Lecture: Medical Ethics/ P.S Venue: New Auditorium Instructor:
09.30 – 10.30	Lecture: Introduction to biomolecules & their role (B) Venue: New Auditorium Instructor:	Lecture: Carbohydrates structure & types (B) Venue: New Auditorium Instructor:	Lecture: Carbohydrates continued(B) Venue: New Auditorium Instructor:	Lecture: Carbohydrates continued(B) Venue: New Auditorium Instructor:	Lecture: Carbohydrates continued(B) Venue: New Auditorium Instructor:
10.30 – 12.30	Group D: Self-Study Group E: Self-study	Group D: Physiology SGD - Pharmacology lab Group E: Self-Study	Group D: Biochemistry SGD  — Pharmacology lab  Group E: Physiology SGD — Physiology lab	Group D: Anatomy SGD – Pharmacology lab Group E: Biochemistry SGD – Physiology lab	Group D: Self-Study Group E: Anatomy SGD – Physiology lab
12:35 – 01: 10			Prayer and Lunch Break		
01.15 - 03.00	Group D: Histology lab Group E: Clinical skill lab	Group D: Clinical skill lab Group E: Anatomy Lab	Group D: Anatomy Lab Group E: Biochemistry Lab	Group D: Biochemistry Lab Group E: English – Auditorium	Group D: English – Lecture Hall Group E: Histology lab

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**Lecture:** Fats, Lipids &

Venue: New Auditorium

Cholesterol (B)

Instructor:



Module 1B: Underpinnings of Medical Practice 2017

Week 3 (16<sup>th</sup> – 20<sup>th</sup> January 2017)

**Lecture:** Proteins &

Venue: New Auditorium

amino acids (B)

Instructor:

09.30 - 10.30

Theme: Biomolecules Day/Time Wednesday **Thursday** Tuesday Friday Monday Lecture: Morphology of **Lecture:** Medical Ethics **Lecture:** Islamiyah Lecture: Gametogenesis: **Lecture:** Gametogenesis: secretory & glandular Venue: New Auditorium Venue: New Auditorium Oogenesis (A) Spermatogenesis (A) 08.30 - 09.30Venue: New Auditorium **Venue:** New Auditorium cells (A) **Instructor:** Dr Zohaib Venue: New Auditorium Instructor: Instructor: Memon Instructor:

Lecture: Protein & amino

Venue: New Auditorium

acids continued...(B)

Instructor:

**Lecture:** Protein & amino

Venue: New Auditorium

acids continued...(B)

Instructor:

**Lecture:** Protein & amino

Venue: New Auditorium

acids continued...(B)

Instructor:

10.30 - 12.30	Group E: Self-study -Pharmacology lab Group E: Self-Study		Group D: Biochemistry SGD – Pharmacology lab Group E: Physiology SGD – Physiology lab	Group D: Self-Study Group E: Anatomy SGD – Physiology lab	
12:35 - 01: 10			Prayer and Lunch Break		
01.00 - 03.00	Group D: Histology lab Group E: Clinical skill lab	Group D: Clinical skill lab Group E: Anatomy Lab	Group D: Anatomy Lab Group E: Biochemistry Lab	Group D: Biochemistry Lab Group E: English – Auditorium	Group D: English – Lecture Hall Group E: Histology lab

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Year coordinator: To Be Announced



#### Week 4 (21<sup>st</sup> + 23 – 26<sup>th</sup> January 2017)

### **Group D & E**

Week	4 (21 <sup>st</sup> + 23 – 26 <sup>th</sup> January 2	017)	Theme: Enzymes and Co-factors			
Day/Time	Saturday	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 - 09.30	Lecture: Lipids, fats & Cholesterol continued (B) Venue: New Auditorium Instructor:	Lecture: Lipids, fats & Cholesterol continued (B) Venue: New Auditorium Instructor:	Lecture: Lipids, fats & Cholesterol continued (B) Venue: New Auditorium Instructor:	Lecture: Enzymes & cofactors (B) Venue: New Auditorium Instructor:	Lecture: Enzymes & cofactors continued (B) Venue: New Auditorium Instructor:	
09.30 - 10.30	Lecture: Ovulation to Implantation: Follicular Development Venue: New Auditorium Instructor:	Lecture: Islamiyah Venue: New Auditorium Instructor:	Lecture: Structure of the skin (A) Venue: New Auditorium Instructor:	Lecture: Connective tissue cells (A) Venue: New Auditorium Instructor:	Lecture: Fertilization & Cleavage Venue: New Auditorium Instructor:	да∧
10.30 – 12.30	Group D: Self-Study Group E: Self-study	Group D: Physiology SGD -Pharmacology lab Group E: Self-Study	Group D: Biochemistry SGD – Pharmacology lab Group E: Physiology SGD – Physiology lab	Group D: Anatomy SGD  – Pharmacology lab  Group E: Biochemistry  SGD – Physiology lab	Group D: Self-Study Group E: Anatomy SGD – Physiology lab	Holiday
12:35 – 01: 10		.0	Prayer and Lunch Break			
01.00 - 03.00	Group D: Histology lab Group E: Clinical skill lab	Group D: Clinical skill lab Group E: Anatomy Lab	Group D: Anatomy Lab Group E: Biochemistry Lab	Group D: Biochemistry Lab Group E: English — Auditorium	Group D: English – Lecture Hall Group E: Histology lab	

SGD = Small group discussion



### **Group D & E**

Week 5 (30	<sup>th</sup> January – 3 <sup>rd</sup> February 2017	-	Theme: Development of a Human Being		
Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
	Lecture: Islamiyah Venue: New Auditorium	Lecture: Membrane Transport (P)	Lecture: Membrane Transport (P)	Lecture: Introduction to Community Medicine	Lecture: Medical Ethics Venue: New Auditorium
08.30 - 09.30		Venue: New Auditorium Instructor:	Venue: New Auditorium Instructor:	(CM) Venue: New Auditorium Instructor:	
	Lecture: Enzymes &	Lecture: Bilaminar Germ	Lecture: Bilaminar Germ	Lecture: Trilaminar Germ	<b>Lecture:</b> Derivatives of
00 00 40 00	cofactors continued (B)	Disc (A)	Disc continued (A)	Disc (A)	the Ectodermal Germ
09.30 – 10.30	Venue: New Auditorium	Venue: New Auditorium	Venue: New Auditorium	Venue: New Auditorium	Layer (A)
	Instructor:	Instructor:	Instructor:	Instructor:	Venue: New Auditorium Instructor:
	Group D: Self-Study	<b>Group D:</b> Physiology SGD	Group D: Biochemistry	<b>Group D:</b> Anatomy SGD –	Group D: Self-Study
10.30 – 12.30	Group E: Self-study	-Pharmacology lab	SGD – Pharmacology lab	Pharmacology lab	Group E: Anatomy SGD
		Group E: Self-Study	Group E: Physiology SGD – Physiology lab	<b>Group E:</b> Biochemistry SGD – Physiology lab	– Physiology lab
42.25 04.40					
12:35 – 01: 10			Prayer and Lunch Break		
	Group D: Histology lab	Group D: Clinical skill lab	Group D: Anatomy Lab	Group D: Biochemistry	Group D: English –
01.00 - 03.00	Group E: Clinical skill lab	Group E: Anatomy Lab	Group E: Biochemistry	Lab	Lecture Hall
			Lab	<b>Group E:</b> English – Auditorium	Group E: Histology lab

SGD = Small group discussion



#### Week 6 (6<sup>th</sup> – 10<sup>th</sup> February 2017)

### **Group D & E**

Week 6 (6 <sup>t</sup>	Week 6 (6 <sup>th</sup> – 10 <sup>th</sup> February 2017)  Theme: Resting Membrane & Actio					
Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday	
08.30 - 09.30	Lecture: Islamiyah Venue: New Auditorium	Lecture: Neuron – Structure & Function (P) Venue: New Auditorium Instructor:	Lecture: Resting Membrane Potential (P) Venue: New Auditorium Instructor:	Lecture: Action Potential (P) Venue: New Auditorium Instructor:	Lecture: Medical Ethics Venue: New Auditorium	
09.30 - 10.30	Lecture: Derivatives of the Mesodermal Germ Layer (A) Venue: New Auditorium Instructor:	Lecture: Derivatives of the Endodermal Germ Layer (A) Venue: New Auditorium Instructor:	Lecture: Foetal period (A) Venue: New Auditorium Instructor	Lecture: Foetal membranes & Placenta (A) Venue: New Auditorium Instructor:	Lecture: Twin Pregnancy & Birth Defects (A) Venue: New Auditorium Instructor:	
10.30 – 12.30	Group D: Self-Study Group E: Self-study	Group D: Physiology SGD -Pharmacology lab Group E: Self-Study	Group D: Biochemistry SGD – Pharmacology lab Group E: Physiology SGD – Physiology lab	Group D: Anatomy SGD – Pharmacology lab Group E: Biochemistry SGD – Physiology lab	Group D: Self-Study Group E: Anatomy SGD – Physiology lab	
12:35 - 01: 10			Prayer and Lunch Break			
01.00 - 03.00	Group D: Histology lab Group E: Clinical skill lab	Group D: Clinical skill lab Group E: Anatomy Lab	Group D: Anatomy Lab Group E: Biochemistry Lab	Group D: Biochemistry Lab Group E: English – Auditorium	Group D: English – Lecture Hall Group E: Histology lab	

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Year coordinator: To Be Announced

## Week 7: Mid-Module Exam (13th to 17th February 2017)

Medical Education

Group A, B, C, D & E

Day/	Time	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	08.00 – 10.00 AM	Anatomy MCQs & SEQs	Physiology MCQs & SEQs	Biochemistry MCQs & SEQs	Integrated Practical Examination	rformance over time)
Mor	10.00 – 12.00 PM					<b>Feedback session</b> (students must attend to improve their performance over time)
Afternoon	12.00 – 02.00 PM					(students must atter



#### Week 8 (20<sup>th</sup> February to 24<sup>th</sup> February 2017)

Theme: Nerve and Autonomic Nervous System

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 - 09.30	Lecture: Islamiyah Venue: New Auditorium Instructor:	Lecture: Features of Skeletal, Cardiac & Smooth Muscles (P) Venue: New Auditorium Instructor:	Lecture: Isotonic & Isometric Contraction (P) Venue: New Auditorium Instructor:	Lecture: Structure & Function of the Neuromuscular junction (P) Venue: New Auditorium Instructor:	Lecture: Medical Ethics Venue: New Auditorium Instructor: Dr Zohaib Memon
09.30 - 10.30	Lecture: Overview of Autonomic Nervous System (A) Venue: New Auditorium Instructor:	Lecture: Electrical & Mechanical events (Skeletal Muscle Contraction) (P) Venue: New Auditorium Instructor:	Lecture: Electrical & Mechanical events (Smooth Muscle Contraction) (P) Venue: New Auditorium Instructor	Lecture: Excitation – contraction coupling of skeletal muscle (P) Venue: New Auditorium Instructor:	Lecture: Neuromuscular blockers & Disorders (P) Venue: New Auditorium Instructor:
10.30 - 12.30	Group D: Self-Study Group E: Self-study	Group D: Physiology SGD - Pharmacology lab Group E: Self-Study	Group D: Biochemistry SGD – Pharmacology lab Group E: Physiology SGD – Physiology lab	Group D: Anatomy SGD – Pharmacology lab Group E: Biochemistry SGD – Physiology lab	Group D: Self-Study Group E: Anatomy SGD – Physiology lab
12:35 - 01: 10		40	Prayer and Lunch Break		
01.00 - 03.00	Group D: Histology lab Group E: Clinical skill lab	Group D: Clinical skill lab Group E: Anatomy Lab	Group D: Anatomy Lab Group E: Biochemistry Lab	Group D: Biochemistry Lab Group E: English – Auditorium	Group D: English – Lecture Hall Group E: Histology lab

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Year coordinator: To Be Announced



#### Week 9 (27<sup>th</sup> February to 3<sup>rd</sup> March 2017)

# Theme: Overview of the Thorax Region

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday		
	Lecture: Islamiyah	Lecture: Molecular	Lecture: Molecular	Lecture: Molecular	Lecture: Medical Ethics		
08.30 - 09.30	Venue: New Auditorium	Genetics	Genetics	Genetics	Venue: New Auditorium		
08.30 - 09.30	Instructor:	Venue: New Auditorium	Venue: New Auditorium	Venue: New Auditorium	Instructor: Dr Zohaib		
		Instructor:	Instructor:	Instructor:	Memon		
09.30 - 10.30	Overview of the Thorax Region						
10.30 - 12.30	Group D: Self-Study Group E: Self-study	Group D: Physiology SGD -Pharmacology lab Group E: Self-Study	Group D: Biochemistry SGD – Pharmacology lab Group E: Physiology SGD – Physiology lab	Group D: Anatomy SGD – Pharmacology lab Group E: Biochemistry SGD – Physiology lab	Group D: Self-Study Group E: Anatomy SGD – Physiology lab		
12:35 - 01: 10			Prayer and Lunch Break				
01.00 - 03.00	Group D: Histology lab Group E: Clinical skill lab	Group D: Clinical skill lab Group E: Anatomy Lab	Group D: Anatomy Lab Group E: Biochemistry Lab	Group D: Biochemistry Lab Group E: English — Auditorium	Group D: English – Lecture Hall Group E: Histology lab		

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#### Week 10 (6<sup>th</sup> – 10<sup>th</sup> March 2017)

# **Group D & E**

Week 10 (6 <sup>th</sup>	– 10 <sup>th</sup> March 2017)	•	Theme: Overview of the Abdominal Region		
Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
	Lecture: Islamiyah	Lecture: Molecular	Lecture: Molecular	Lecture: Molecular	Lecture: Pakistan Studies
08.30 - 09.30	Venue: New Auditorium	Genetics	Genetics	Genetics	<b>Venue:</b> New Auditorium
00.30 03.30	Instructor:	Venue: New Auditorium	Venue: New Auditorium	Venue: New Auditorium	Instructor:
		Instructor:	Instructor:	Instructor:	
09.30 - 10.30		Ove	rview of the Abdominal Reg	ion	
	Group D: Self-Study	<b>Group D:</b> Physiology SGD	Group D: Biochemistry	Group D: Anatomy SGD –	Group D: Self-Study
10.20 12.20	Group E: Self-study	-Pharmacology lab	SGD – Pharmacology lab	Pharmacology lab	<b>Group E:</b> Anatomy SGD –
10.30 – 12.30		Group E: Self-Study	<b>Group E:</b> Physiology SGD	Group E: Biochemistry	Physiology lab
			– Physiology lab	SGD – Physiology lab	
12:35 – 01: 10			Prayer and Lunch Break		
	Group D: Histology lab	Group D: Clinical skill lab	Group D: Anatomy Lab	Group D: Biochemistry	Group D: English –
	Group E: Clinical skill lab	Group E: Anatomy Lab	Group E: Biochemistry	Lab	Lecture Hall
01.00 - 03.00	-		Lab	Group E: English –	Group E: Histology lab
				Auditorium	

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#### Week 11 (13<sup>th</sup> – 17<sup>th</sup> March 2017)

# Theme: Overview of the Pelvic Region

Day/Time	Monday Tuesday		Wednesday	Thursday	Friday
08.30 - 09.30	Lecture: Islamiyah Venue: New Auditorium Instructor:	Lecture: Molecular Genetics Venue: New Auditorium Instructor:	Lecture: Molecular Genetics Venue: New Auditorium Instructor:	Lecture: Molecular Genetics Venue: New Auditorium Instructor:	Lecture: Pakistan Studies Venue: New Auditorium Instructor:
09.30 - 10.30	Overview of the Pelvic Region				
10.30 - 12.30	Group D: Self-Study Group E: Self-study	Group D: Physiology SGD -Pharmacology lab Group E: Self-Study	Group D: Biochemistry SGD – Pharmacology lab Group E: Physiology SGD – Physiology lab	Group D: Anatomy SGD – Pharmacology lab Group E: Biochemistry SGD – Physiology lab	Group D: Self-Study Group E: Anatomy SGD – Physiology lab
12:35 - 01: 10			Prayer and Lunch Break		
01.00 - 03.00	Group D: Histology lab Group E: Clinical skill lab	Group D: Clinical skill lab Group E: Anatomy Lab	Group D: Anatomy Lab Group E: Biochemistry Lab	Group D: Biochemistry Lab Group E: English – Auditorium	Group D: English – Lecture Hall Group E: Histology lab

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Year coordinator: To Be Announced





#### Week 12 (20th March – 24th March 2017)

Theme: Overview of the Nervous System

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08.30 - 09.30	Lecture: Islamiyah Venue: New Auditorium	Lecture: Overview of Autonomic Nervous system (P) Venue: New Auditorium Instructor:	Lecture: Sympathetic (P) Venue: New Auditorium Instructor:		Lecture: Parasympathetic (P) Venue: New Auditorium Instructor:	Lecture: Pakistan Studies Venue: New Auditorium
09.30 - 10.30	10.30 Overview of the Nervous System				Overview of the I	Nervous System
10.30 – 12.30	Group D: Self-Study Group E: Self-study	Group D: Physiology SGD -Pharmacology lab Group E: Self-Study	Group D: Biochemistry SGD – Pharmacology lab Group E: Physiology SGD – Physiology lab	Holidays	Group D: Anatomy SGD  – Pharmacology lab  Group E: Biochemistry  SGD – Physiology lab	Group D: Self-Study Group E: Anatomy SGD – Physiology lab
12:35 – 01: 10	0 Prayer and Lunch Break				Prayer and L	unch Break
01.00 - 03.00	Group D: Histology lab Group E: Clinical skill lab	Group D: Clinical skill lab Group E: Anatomy Lab	Group D: Anatomy Lab Group E: Biochemistry Lab		Group D: Biochemistry Lab Group E: English – Auditorium	Group D: English – Lecture Hall Group E: Histology lab

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#### Week 13 (27th March – 31st March 2017)

# Theme: Overview of the Locomotor System

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday			
08.30 - 09.30	Lecture: Islamiyah Venue: New Auditorium	Lecture: Concept of Health (CM)	Lecture: Health care system (CM)	Lecture: Introduction to Epidemiology (CM)	Lecture: Pakistan Studies			
	Instructor:	Venue: New Auditorium Instructor:	Venue: New Auditorium Instructor:	Venue: New Auditorium Instructor:	Venue: New Auditorium			
09.30 - 10.30	Overview of the Locomotor System							
10.30 – 12.30	Group D: Self-Study Group E: Self-study	Group D: Physiology SGD - Pharmacology lab Group E: Self-Study	Group D: Biochemistry SGD – Pharmacology lab Group E: Physiology SGD – Physiology lab	Group D: Anatomy SGD – Pharmacology lab Group E: Biochemistry SGD – Physiology lab	Group D: Self-Study Group E: Anatomy SGD – Physiology lab			
12:35 – 01: 10	Prayer and Lunch Break							
01.00 - 03.00	Group D: Histology lab Group E: Clinical skill lab	Group D: Clinical skill lab Group E: Anatomy Lab	Group D: Anatomy Lab Group E: Biochemistry Lab	Group D: Biochemistry Lab Group E: English – Auditorium	Group D: English – Lecture Hall Group E: Histology lab			

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Week 14: Second Mid-Module Exam (3<sup>rd</sup> to 7<sup>th</sup> April 2017)

Medical Education
Group A, B, C, D & E

Day/ Time		Monday	Tuesday	Wednesday	Thursday	Friday
Morning	08.00 – 10.00 AM	Physiology (MCQs & SEQS)	Anatomy (MCQs + SEQs)	Genetics (MCQs + SEQs)	Integrated Practical Examination (20-25 stations)	in performance over
	10.00 – 12.00 PM					<b>Feedback session</b> (students must attend to improve their performance over time)
Afternoon	12.00 – 02.00 PM					(students must