



BLOOD & IMMUNOLOGY MODULE

1st Professional MBBS (Session 2019-20)



Note: Given below is the sequence of the calendar that would be followed normally.
Saturday of the same week will be utilized to compensate any unscheduled holiday.

Some abbreviations used: SDL, Self-directed Learning; DSL, Directed Self Learning; P, Practical; SGD, Small Group Discussion;

Anat, Anatomy; Bio, Biochemistry; Emb, Embryology; Histo, Histology; Phy, Physiology

Division for Lectures: LGA (Large Group A): From Class No. 1- 125, LGB (Large Group B): From Class No. 126- 250 and onward.

Division for Practicals/Dissections/SGDs: Batch A: 1-62; Batch B: 63-125; Batch C: 126-187; Batch D: 188-250 and onward

TIME TABLE OF BLOOD & IMMUNOLOGY MODULE FOR 1ST Year MBBS (SESSION 2019-20)

WEEK 1

Day/Date	08:00 – 09:00 am	09:00 – 10:00 am	10:00 am – 12:00 pm	12:00 – 01:00 pm	01:30 – 03:00 pm	
THEME 1: PALLOR AND FATIGUE						
Mon 30/12/2019	Phy-L1 Composition & Functions of Blood (Hct, Serum, Plasma) Dr Aslam (LGA: Physio-10) Phy-DSL Introduction to Blood Cells Dr Usman (LGB: Patho-20)	Bio-L1 Chemistry of Hemoglobin Structure & Functions Dr Zahoor (LGA: Anat-1) Bio-DSL Hemoglobin Derivatives Dr Sobia (LGB: Anat-2)	PRACTICALS Batch A: Phy-P1 Dr Usman Batch B: Phy-P1 Dr Shah Rukh Batch C: Histo-P1 Dr Tahira Batch D: Bio-P1 Dr Ubaid	Phy-L2 Erythropoiesis 1(Sites, Stages, Factors) Dr Ayesha (LGA: Physio-10) Phy-L1 Composition & Functions of Blood (Hct, Serum, Plasma) Dr Aslam (LGB: Pharma-13)	P R A Y E R B R E A K	SGDs Batch A: Anat-DSL1 Dr Matiullah Batch B: Phy-SGD1 Dr Aslam Batch C: Bio-SGD1 Dr Shabir Batch D: SDL (Library/SLRC)
Tue 31/12/2019	Histo-L1 Spleen Dr Shazia (LGA: Anat-1) Histo-L2 Thymus Dr Shabnum (LGB: Anat-2)	Phy-L3 Erythropoiesis 2 (Regulation, Maturation) Prof Naila (LGA: Physio-10) Phy-L2 Erythropoiesis 1 (Sites, Stages, Factors) Dr Ayesha (LGB: Patho-20)	PRACTICALS Batch A: Bio-P1 Dr Hajra Batch B: Histo-P1 Dr Tahira Batch C: Phy-P1 Dr Summan Batch D: Phy-P1 Dr Huma	Bio-L2 Metabolism of Hemoglobin Dr Sobia (LGA: Physio-10) Bio-L1 Chemistry of Hemoglobin Structure & Functions Dr Zahoor (LGB: Pharma-13)		SGDs Batch A: SDL (Library/SLRC) Batch B: Anat-DSL1 Dr Shagufta Batch C: Phy-SGD1 Dr Aslam Batch D: Bio-SGD1 Dr Shabir
Wed 01/01/2020	Bio-L3 Normal & Abnormal Types of Hemoglobin Dr Sadaf (LGA: Physio-10) Bio-L2 Metabolism of Hemoglobin Dr Sobia (LGB: Patho-20)	Phy-L4 Etiological Classification of Anemias Dr Durre (LGA: Physio-10) Phy-L3 Erythropoiesis 2 (Regulation, Maturation) Prof Naila (LGB: Patho-20)	PRACTICALS Batch A: Phy-P2 Dr Sara Batch B: Phy-P2 Dr Shah Rukh Batch C: Bio-P1 Dr Amina Batch D: Histo-P1 Dr Tahira	CMed-L1 Epidemiology and Prevention of Anemias Dr Sidra (LGA+LGB: Anat-1)		SGDs Batch A: Bio-SGD1 Dr Faiza Batch B: SDL (Library/SLRC) Batch C: Anat-DSL1 Dr Sadaf Batch D: Phy-SGD1 Dr Aslam
Thu 02/01/2020	PRIME-1 Behavioral Sciences Communication Skills Dr Bashir (LGA+LGB: Patho-20)	Phy-L5 Morphological Classification of Anemias Dr Madiha (LGA: Physio-10) Phy-L4 Etiological Classification of Anemias Dr Durre (LGB: Patho-20)	PRACTICALS Batch A: Histo-P1 Dr Tahira Batch B: Bio-P1 Dr Feroz Batch C: Phy-P2 Dr Summan Batch D: Phy-P2 Dr Huma	Path-L1 Iron Deficiency and Hemolytic anemias Dr Idrees (LGA+LGB: Anat-1)		SGDs Batch A: Phy-SGD1 Dr Aslam Batch B: Bio-SGD1 Dr Faiza Batch C: SDL (Library/SLRC) Batch D: Anat-DSL1 Dr Ayaz
Fri 03/01/2020	Islamiyat Belief in prophet hood Dr Zahid (LGA: Anat-1)	Phy-DSL Introduction to Blood Cells Dr Usman (LGA: Anat-1) Phy-L5 Morphological Classification of Anemias Dr Madiha (LGB: Patho-20)	10:00 – 11:00 am Bio-L4 Introduction to Vitamins Metabolism of Folic Acid & Vit B12 Dr Naheed (LGA: Physio-10) Bio-L3 Normal & Abnormal Types of Hemoglobin Dr Sadaf (LGB: Patho-19)	11:00 am – 12:30 pm Pharm-L1 Drugs used in the treatment of Anemias Dr Nizam (LGA+LGB: Anat-1)		12:30-02:00 pm
	Pak Studies Two nation theory Mr Zafar (LGB: Anat-2)		JUMMA PRAYER	SDL (Library/SLRC)		

Histo-P1: Spleen (Anat-7)

Anat-DSL1: Lymph Node (Anat-3)

Bio-P1: Demonstration on normal urine analysis I (Biochem-9)

Bio-SGD1: Iron Metabolism (Biochem-9)

Phy-P1: RBC Count (Batch A & C: Physio-11; Batch B & D: Physio-12)

Phy-P2: Hb Estimation (Batch A & C: Physio-11; Batch B & D: Physio-12)

Phy-SGD1: Clinical approach to a patient with Pallor (Biochem-30)

TIME TABLE OF BLOOD & IMMUNOLOGY MODULE FOR 1ST Year MBBS (SESSION 2019-20)

WEEK 2

Day/Date	08:00 – 09:00 am	09:00 – 10:00 am	10:00 am – 12:00 pm	12:00 – 01:00 pm	01:30 – 3:00 pm	
THEME 2: FEVER (INFECTION AND IMMUNITY)						
P R A Y E R B R E A K	Mon 06/01/2020	Histo-L2 Thymus Dr Shabnum (LGA: Patho-20) Histo-L1 Spleen Dr Shazia (LGB: Physio-10)	Phy-L6 WBC: Types, Count, Differentiation, Characteristics Prof Naila (LGA: Patho-20) Phy-DSL Inflammation Dr Summan (LGB: Physio-10)	PRACTICALS Batch A: Phy-P3 Dr Summan Batch B: Phy-P3 Dr Shah Rukh Batch C: Histo-P2 Dr Tahira Batch D: Bio-P2 Dr Ubaid	Bio-L5 Immunoglobulins: Classification, Structure & Functions Dr Sadaf (LGA: Anat-1) Bio-L4 Introduction to Vitamins Metabolism of Folic Acid & Vit. B 12 Dr Naheed (LGB: Anat-2)	SGDs Batch A: SDL (Library/SLRC) Batch B: Phy-SGD2 Dr Henna Batch C: SDL (Library/SLRC) Batch D: Bio-SGD2 Dr Shabir
	Tue 07/01/2020	Phy-L7 Body Defenses: Classification & Components Dr Madiha (LGA: Patho-20) Phy-L6 WBC: Types, Count, Differentiation, Characteristics Prof Naila (LGB: Physio-10)	Bio-L6 Vitamin A Metabolism Dr Naheed (LGA: Patho-20) Bio-L5 Immunoglobulins: Classification, Structure & Functions Dr Sadaf (LGB: Physio-10)	PRACTICALS Batch A: Bio-P2 Dr Hajra Batch B: Histo-P2 Dr Tahira Batch C: Phy-P3 Dr Summan Batch D: Phy-P3 Dr Huma	Phy-L8 Monocyte-Macrophage System Dr Henna (LGA: Pharma-13) Phy-L7 Body Defenses: Classification & Components Dr Madiha (LGB: Physio-10)	SGDs Batch A: Bio-SGD2 Dr Shabir Batch B: SDL (Library/SLRC) Batch C: Phy-SGD2 Dr Henna Batch D: SDL (Library/SLRC)
	Wed 08/01/2020	Bio-L7 Plasma Proteins Dr Zahoor (LGA: Patho-20) Bio-L6 Vitamin A Metabolism Dr Naheed (LGB: Physio-10)	Phy-L9 Lymphocytes Types & Distribution Dr Sajjad (LGA: Patho-20) Phy-L8 Monocyte-Macrophage System Dr Henna (LGB: Physio-10)	PRACTICALS Batch A: Histo-P2 Dr Tahira Batch B: Phy-P4 Dr Shah Rukh Batch C: Bio-P2 Dr Amina Batch D: Phy-P4 Dr Huma	Phy-L10 B-lymphocyte Activation & Antibodies Prof Naila (LGA: Pharma-13) Phy-L9 Lymphocytes Types & Distribution Dr Sajjad (LGB: Physio-10)	SGDs Batch A: SDL (Library/SLRC) Batch B: Bio-SGD2 Dr Faiza Batch C: SDL (Library/SLRC) Batch D: Phy-SGD2 Dr Henna
	Thu 09/01/2020	Bio-L8 B-Complex Vitamins Metabolism of Vitamin B1 & B5 Dr Naheed (LGA: Anat-1) Bio-L7 Plasma Proteins Dr Zahoor (LGB: Patho-20)	PRIME-2 Sexual Harassment Prof Farooq (LGA+LGB: Physio-10)	PRACTICALS Batch A: Phy-P4 Dr Usman Batch B: Bio-P2 Dr Feroz Batch C: Phy-P4 Dr Summan Batch D: Histo-P2 Dr Tahira	Phy-L11 Complement System Dr Aslam (LGA: Anat-2) Phy-L10 B-lymphocyte Activation & Antibodies Prof Naila (LGB: Anat-1)	SGDs Batch A: Phy-SGD2 Dr Henna Batch B: SDL (Library/SLRC) Batch C: Bio-SGD2 Dr Faiza Batch D: SDL (Library/SLRC)
	Fri 10/01/2020	Phy-L12 Cytokines-Interferon Dr Ayesha (LGB: Physio-10) Phy-L11 Complement System Dr Aslam (LGB: Anat-2)	Islamiyat Zakat Dr Zahid (LGA: Anat-1) Pak Studies Impact of ideology of Pakistan Mr Zafar (LGB: Anat-2)	10:00 – 11:00 am CMed-L2 Epidemiology of blood borne diseases/ HBV Vaccination Dr Jehan (LGA+LGB: Anat-1)	11:00 am – 12:30 pm Phy-L13 T-Lymphocytes Maturation/ Mech. of Action Dr Saleem (LGA: Pharma-13) Phy-L12 Cytokines-Interferon Dr Ayesha (LGB: Physio-10)	12:30-02:00 pm JUMMA PRAYER

Histo-P2: Thymus (Anat-7)

Bio-P2: Demonstration on normal urine analysis II (Biochem-9)

Bio-SGD2: Hemoglobinopathies (Biochem-9)

Phy-P3: WBC Count (Batch A & C: Physio-11; Batch B & D: Physio-12)

Phy-P4: D.L.C (Batch A & B: Physio-11; Batch C & D: Physio-12)

Phy-SGD2: Hematological Values (Biochem-30)

TIME TABLE OF BLOOD & IMMUNOLOGY MODULE FOR 1ST Year MBBS (SESSION 2019-20)

WEEK 3

Day/Date	08:00 – 09:00 am	09:00 – 10:00 am	10:00 am – 12:00 pm	12:00 – 01:00 pm	01:30 – 03:00 pm	
THEME 2: FEVER (INFECTION AND IMMUNITY)						
P R A Y E R B R E A K	Mon 13/01/2020	Histo-L3 Lymph Node Dr Shazia (LGA: Anat-1) Histo-L4 Tonsil Dr Shabnum (LGB: Anat-2)	Bio-L9 Metabolism of B2, B3 Dr Sadaf (LGA: Physio-10) Bio-L8 B-Complex Vitamins Metabolism of Vitamin B1 & B5 Dr Naheed (LGB: Pharma-13)	PRACTICALS Batch A: Phy-P5 Dr Sara Batch B: Phy-P6 Dr Shah Rukh Batch C: Histo-P3 Dr Tahira Batch D: Bio-P3 Dr Ubaid	Phy-L14 T-Lymphocytes (MHC) Dr Aslam (LGA: Physio-10) Phy-L13 T-Lymphocytes Maturation/ Mech. of Action Dr Saleem (LGB: Pharma-13)	SGDs Batch A: SDL (Library/SLRC) Batch B: Phy-SGD3 Dr Madiha Batch C: Phy-DSL1 Dr Saleem Batch D: Bio-SGD3 Dr Shabir
	Tue 14/01/2020	Phy-L15 Hypersensitive Reactions Dr Ayesha (LGA: Physio-10) Phy-L14 T-Lymphocytes (MHC) Dr Aslam (LGB: Pharma-13)	Bio-L10 Metabolism of B6 & B7 Dr Naheed (LGA: Physio-10) Bio-L9 Metabolism of B2, B3 Dr Sadaf (LGB: Pharma-13)	PRACTICALS Batch A: Bio-P3 Dr Hajra Batch B: Phy-P5 Dr Shah Rukh Batch C: Phy-P6 Dr Summan Batch D: Histo-P3 Dr Tahira	Phy-L16 Blood Groups: Types Prof Shafiq (LGA: Physio-10) Phy-L15 Hypersensitive Reactions Dr Ayesha (LGB: Pharma-13)	SGDs Batch A: Bio-SGD3 Dr Faiza Batch B: SDL (Library/SLRC) Batch C: Phy-SGD3 Dr Madiha Batch D: Phy-DSL1 Dr Saleem
	Wed 15/01/2020	Bio-L11 Metabolism of Vitamin E & K Dr Sadaf (LGA: Physio-10) Bio-L10 Metabolism of B6 & B7 Dr Naheed (LGB: Pharma-13)	Phy-L17 Erythroblastosis Fetalis Prof Naila (LGA: Physio-10) Phy-L16 Blood Groups: Types Prof Shafiq (LGB: Pharma-13)	PRACTICALS Batch A: Histo-P3 Dr Tahira Batch B: Bio-P3 Dr Amina Batch C: Phy-P5 Dr Summan Batch D: Phy-P6 Dr Huma	CMed-L3 Immunization Dr Natasha (LGA+LGB: Anat-1)	SGDs Batch A: Phy-DSL1 Dr Saleem Batch B: Bio-SGD3 Dr Feroz Batch C: SDL (Library/SLRC) Batch D: Phy-SGD3 Dr Madiha
	Thu 16/01/2020	PRIME-3 Introduction to Research: Study types and design Dr Aziza (LGA+LGB: Anat-1)	Phy-L18 Hazards of Blood transfusion (Early & late) Dr Henna (LGA: Physio-10) Phy-L17 Erythroblastosis Fetalis Prof Naila (LGB: Pharma-13)	PRACTICALS Batch A: Phy-P6 Dr Sara Batch B: Histo-P3 Dr Tahira Batch C: Bio-P3 Dr Feroz Batch D: Phy-P5 Dr Huma	Phy-L19 Review of Immunity Dr Aslam (LGA: Physio-10) Phy-L18 Hazards of Blood transfusion (Early & late) Dr Henna (LGB: Pharma-13)	SGDs Batch A: Phy-SGD3 Dr Madiha Batch B: Phy-DSL1 Dr Saleem Batch C: Bio-SGD3 Dr Amina Batch D: SDL (Library/SLRC)
Fri 17/01/2020	Islamiyat Zakat Dr Zahid (LGB: Anat-1)	Phy-DSL Inflammation Dr Summan (LGA: Pharma-13) Phy-L19 Review of Immunity Dr Aslam (LGB: Physio-10)	10:00 – 11:00 am	11:00 am – 12:30 pm	12:30-02:00 pm	02:00-03:00 pm
	Pak Studies Impact of ideology of Pakistan Mr Zafar (LGA: Anat-2)		FMed-L1 Medico-legal importance of blood groups Dr Sahibdad (LGA+LGB: Anat-1)	Bio-DSL Hemoglobin Derivatives Dr Naheed (LGA: Physio-10) Bio-L11 Metabolism of Vitamin E & K Dr Sadaf (LGB: Anat-2)		

Histo-P3: Lymph Node (Anat-7)

Bio-P3: Analysis of normal urine I (Biochem-9)

Bio-SGD3: Immunoglobulins and their clinical significance (Biochem-9)

Phy-P5: Erythrocytes Sedimentation Rate (ESR) (Batch A & C: Physio-11; Batch B & D: Physio-12)

Phy-P6: Blood Group (Batch A & C: Physio-11; Batch B & D: Physio-12)

Phy-SGD3: Active and Passive Immunity (Physio-11)

Phy-DSL1: Types of T cells & their different functions (Physio-10)

TIME TABLE OF BLOOD & IMMUNOLOGY MODULE FOR 1ST Year MBBS (SESSION 2019-20)

WEEK 4

Day/Date	08:00 – 09:00 am	09:00 – 10:00 am	10:00 am – 12:00 pm	12:00 – 01:00 pm	01:30 – 03:00 pm	
THEME 3: EXCESSIVE BLEEDING						
Mon 20/01/2020	Histo-L4 Tonsil Dr Shabnum (LGA: Anat-1) Histo-L3 Lymph Node Dr Shazia (LGB: Anat-2)	Phy-L20 Clotting factors; Platelet plug Formation Dr Aslam (LGA: Physio-10) Phy-DSL Physiology of Organ Transplantation Dr Usman (LGB: Patho-20)	PRACTICALS Batch A: Phy-P7 Dr Umema Batch B: Phy-P8 Dr Shah Rukh Batch C: Histo-P4 Dr Tahira Batch D: Bio-P4 Dr Ubaid	Phy-L21 Extrinsic-Intrinsic Pathways; Clot Lysis Dr Durre (LGA: Pharma-13) Phy-L20 Clotting factors; Platelet plug Formation Dr Aslam (LGB: Physio-10)	P R A Y E R B R E A K	SGDs Batch A: Phy-SGD4 Dr Umema Batch B: Phy-SGD5 Dr Sara Batch C: Bio-SGD4 Dr Hajra Batch D: SDL (Library/SLRC)
Tue 21/01/2020	Islamiyat Fasting Dr Zahid (LGA: Anat-1)	MENTORING	PRACTICALS Batch A: Bio-P4 Dr Hajra Batch B: Phy-P7 Dr Shah Rukh Batch C: Phy-P8 Dr Summan Batch D: Histo-P4 Dr Tahira	Phy-L22 Factors Preventing Clot Formation in Normal Circulation Dr Aslam (LGA: Pharma-13) Phy-L21 Extr.-Intrinsic Pathways; Clot Lysis Dr Durre (LGB: Physio-10)		SGDs Batch A: SDL (Library/SLRC) Batch B: Phy-SGD4 Dr Umema Batch C: Phy-SGD5 Dr Sara Batch D: Bio-SGD4 Dr Ubaid
	Pak Studies Khilafat movement Mr Zafar (LGB: Anat-2)					
Wed 22/01/2020	Phy-L23 Thrombo-Embolic Diseases Dr Ayesha (LGA: Patho-20) Phy-L22 Factors Preventing Clot Formation in Normal Circulation Dr Aslam (LGB: Physio-10)	Pharm-L2 Drugs Affecting Coagulation of blood Dr Shandana (LGA+LGB: Anat-1)	PRACTICALS Batch A: Histo-P4 Dr Tahira Batch B: Bio-P4 Dr Amina Batch C: Phy-P7 Dr Summan Batch D: Phy-P8 Dr Huma	Phy-L24 Bleeding Disorders Dr Saleem (LGA: Pharma-13) Phy-L23 Thrombo-Embolic Diseases Dr Ayesha (LGB: Physio-10)		SGDs Batch A: Bio-SGD4 Dr Feroz Batch B: SDL (Library/SLRC) Batch C: Phy-SGD4 Dr Umema Batch D: Phy-SGD5 Dr Sara
Thu 23/01/2020	PRIME-4 Behavioral Sciences Stress and defense mechanism Prof Sultan (Patho-20)	Phy-L25 Review of Blood Physiology Dr Aslam (LGA: Patho-20) Phy-L24 Bleeding Disorders Dr Saleem (LGB: Physio-10)	PRACTICALS Batch A: Phy-P8 Dr Sara Batch B: Histo-P4 Dr Tahira Batch C: Bio-P4 Dr Feroz Batch D: Phy-P7 Dr Huma	Phy-DSL Physiology of Organ Transplantation Dr Shah Rukh (LGA: Pharma-13) Phy-L25 Review of Blood Physiology Dr Aslam (LGB: Physio-10)		
Fri 24/01/2020	SDL (Library/SLRC)	SDL (Library/SLRC)	10:00 – 11:00 am	11:00 am – 12:30 pm	12:30-02:00 pm	02:00-03:00 pm
			SDL (Library/SLRC)	SDL (Library/SLRC)	JUMMA PRAYER	SDL (Library/SLRC)

Histo-P4: Tonsil (Anat-7)

Bio-P4: Analysis of normal urine II (Biochem-9)

Bio-SGD4: Vitamin- like substances (Biochem-9)

Phy-P7: Platelet Count (Batch A & C: Physio-11; Batch B & D: Physio-12)

Phy-P8: BT, CT (Batch A & C: Physio-11; Batch B & D: Physio-12)

Phy-SGD4: Transplantation of Tissues and Organs (Physio-11)

Phy-SGD5: Blood Coagulation Tests (Biochem-30)

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WEEK 5

BLOCK-A ASSESSMENT
(Foundation Module and Blood & Immunology Module)

Day/Date	09:00 - 11:00 am (see also the departments' notice boards)
Mon 27/01/2020	-
Tue 28/01/2020	<u>THEORY PAPER</u> (MCQs) Venue: Examination Hall KMC
Wed 29/01/2020	-
Thu 30/01/2020	<u>OSPE</u> Batch A: Physio-11 Batch B: Old Dissection Hall
Fri 31/01/2020	<u>OSPE</u> Batch C: Physio-11 Batch D: Old Dissection Hall