

Group D & E

Week 1 (10/06/2019)

Theme: Structure and function of Red blood cells

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08:30 – 09:30	<b>Lecture:</b> Composition of blood ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Cellular components of blood ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Erythropoiesis ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Abroo	<b>Lecture:</b> Formation and development of haemoglobin ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Classification of anaemia and significance of red cell indices ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Microcytic anaemia ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Yar. Mohammad
09:35 – 10:35		<b>Lecture:</b> Structure and types of haemoglobin ( <b>B</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Ruby	<b>Lecture:</b> Allosteric properties of haemoglobin ( <b>B</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Ruby	<b>Lecture:</b> Haemoglobin synthesis and its abnormalities ( <b>B</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Hina	<b>Lecture:</b> Polycythaemia Vera ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Abroo	<b>Lecture:</b> Lymphoid tissue, immune system and thymus ( <b>A</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Prof. Zaheer Memon
10:45 – 12:45	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> Physiology SGD 1 – Physio lab <b>Group E:</b> Biochemistry SGD 1 – Biochemistry lab	<b>Group D:</b> <b>Group E:</b> Physiology SGD 1 – Physio lab	<b>Group D:</b> Biochemistry SGD 1 – Biochemistry lab <b>Group E:</b>
12:46 - 01:10	<b>Lunch/ Prayer Break</b>					
01.15 – 03.15	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> Physiology lab1 <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Physiology lab1

**Physiology SGD1:**

**Physiology lab1:** Red cell morphology & osmotic fragility; Interpretation of Complete Blood Count report

**Biochemistry SGD1:** Haemoglobinopathies – biochemical abnormalities

## Group A, B &amp; C

Week 1 (10/06/2019)

Theme: Structure and function of Red blood cells

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08:30 – 09:30		<b>Lecture:</b> Structure and types of haemoglobin ( <b>B</b> ) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Ruby	<b>Lecture:</b> Allosteric properties of haemoglobin ( <b>B</b> ) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Ruby	<b>Lecture:</b> Haemoglobin synthesis and its abnormalities ( <b>B</b> ) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Hina	<b>Lecture:</b> Polycythaemia Vera ( <b>P</b> ) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Abroo	<b>Lecture:</b> Lymphoid tissue, immune system and thymus ( <b>A</b> ) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Prof. Zaheer Memon
09:35 – 10:35	<b>Lecture:</b> Composition of blood ( <b>P</b> ) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Cellular components of blood ( <b>P</b> ) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Erythropoiesis ( <b>P</b> ) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Abroo	<b>Lecture:</b> Formation and development of haemoglobin ( <b>P</b> ) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Classification of anaemia and significance of red cell indices ( <b>P</b> ) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Microcytic anaemia ( <b>P</b> ) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Yar. Mohammad
10:45 – 12:45	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b>	<b>Group A:</b> Physiology SGD 1 – Tutorial room 1 <b>Group B:</b> Biochemistry SGD 1 – Community lab <b>Group C:</b>	<b>Group A:</b> Biochemistry SGD 1 – Tutorial room 1 <b>Group B:</b> Physiology SGD 1 – Community lab <b>Group C:</b> Biochemistry SGD 1 – Biochemistry lab	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b> Physiology SGD 1 – Physiology lab
12:46 - 01:10	<b>Lunch/ Prayer Break</b>					
01.15 – 03.15	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b>	<b>Group A:</b> Physiology lab1 <b>Group B:</b> <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> Physiology lab1 <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b> Physiology lab1	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b>

**Physiology SGD1:****Physiology lab1:** Red cell morphology & osmotic fragility; Interpretation of Complete Blood Count report**Biochemistry SGD1:** Haemoglobinopathies – biochemical abnormalities

Group D & E

Week 2 (17/06/2019)

Theme: Structure and functions of Platelets

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08.30 – 09.30	<b>Lecture:</b> Macrocytic anaemia (P) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Anaemias – Haemolytic & Aplastic (P) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Blood groups ABO system (P) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Blood transfusion & its complication (P) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Haji Khan	<b>Lecture:</b> Haemostasis & role of thrombocytes (P) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Haji Khan	<b>Lecture:</b> Clotting cascade (P) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Roomi Aijaz
09.35 – 10.35	<b>Lecture:</b> Iron metabolism (B) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Prof. Maria	<b>Lecture:</b> Vitamin B12 and folic acid (B) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Prof. Maria	<b>Lecture:</b> Histology of thymus (A) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Syna Amir	<b>Lecture:</b> Blood groups: RH system (P) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Samia	<b>Lecture:</b> Histology of spleen (A) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Prof. Zaheer Memon	<b>Lecture:</b> Biochemistry (B) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Ruby
10.45 – 12.45	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> Physiology SGD 2 – Physiology lab <b>Group E:</b>	<b>Group D:</b> Biochemistry SGD 2– Biochemistry lab <b>Group E:</b> Physiology SGD 2– Physiology lab	<b>Group D:</b> <b>Group E:</b> Biochemistry SGD – Biochemistry lab
12:46 - 01:10	<b>Lunch/ Prayer Break</b>					
01.15 – 03.15	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Physiology lab2	<b>Group D:</b> Biochemistry lab1 <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Biochemistry lab1	<b>Group D:</b> Histology lab1 <b>Group E:</b>	<b>Group D:</b> Physiology lab2 <b>Group E:</b> Histology lab1

**Physiology SGD2:**

**Biochemistry SGD2:**

**Physiology lab2:** Blood grouping & Cross matching & Haemoglobin estimation

**Histology Lab1:** Macroscopic & microscopic structure of the Lymph node & Thymus

Group A, B & C

Week 2 (17/06/2019)

Theme: Structure and functions of the Platelets

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08.30 – 09.30	<b>Lecture:</b> Iron metabolism (B) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Prof. Maria	<b>Lecture:</b> Vitamin B12 and folic acid (B) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Prof. Maria	<b>Lecture:</b> Histology of thymus (A) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Syna Amir	<b>Lecture:</b> Blood groups: RH system (P) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Samia	<b>Lecture:</b> Histology of spleen (A) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Prof. Zaheer Memon	<b>Lecture:</b> Biochemistry (B) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Ruby
09.35 – 10.35	<b>Lecture:</b> Macrocytic anaemia (P) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Anaemias – Haemolytic & Aplastic (P) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Blood groups ABO system (P) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Yar. Mohammad	<b>Lecture:</b> Blood transfusion & its complication (P) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Haji Khan	<b>Lecture:</b> Haemostasis & role of thrombocytes (P) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Haji Khan	<b>Lecture:</b> Clotting cascade (P) <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Roomi Aijaz
10.45 – 12.45	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b>	<b>Group A:</b> Biochemistry SGD 2 – Tutorial room II <b>Group B:</b> Physiology SGD 2 – Physiology lab <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> Biochemistry SGD 2– Tutorial room II <b>Group C:</b> Physiology SGD 2– Physiology lab	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b> Biochemistry SGD 2– Tutorial room II	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b>	<b>Group A:</b> Physiology SGD 2– Physiology lab <b>Group B:</b> <b>Group C:</b>
12:46 - 01:10	<b>Lunch/ Prayer Break</b>					
01.15 – 03.15	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b>	<b>Group A:</b> Histology lab1 <b>Group B:</b> <b>Group C:</b> Biochemistry lab1	<b>Group A:</b> Physiology lab2 <b>Group B:</b> Histology lab1 <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> Physiology lab2 <b>Group C:</b> Histology lab1	<b>Group A:</b> Biochemistry lab1 <b>Group B:</b> <b>Group C:</b> Physiology lab2	<b>Group A:</b> <b>Group B:</b> Biochemistry lab1 <b>Group C:</b>

**Physiology SGD 2:**

**Biochemistry SGD 2:**

**Physiology lab 2:** Blood grouping & Cross matching & Haemoglobin estimation

**Histology Lab 1:** Macroscopic & microscopic structure of the Lymph node & Thymus

## Group D &amp; E

Week 3 (24/06/2019)

Theme: Structure and function of the Immune system

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08.30 – 09.30	<b>Lecture:</b> Fibrinolytic mechanism ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Haji Khan	<b>Lecture:</b> Origin, characteristics & classification & functions of WBCs ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Y. Mohammad	<b>Lecture:</b> Reticuloendothelial system ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Haji Khan	<b>Lecture:</b> Properties of white blood cells ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Samia	<b>Lecture:</b> Cell-mediated immunity ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Abroo	<b>Lecture:</b> Complement system & interferons ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Abroo
09.35 – 10.35	<b>Lecture:</b> Biochemical functions of vitamin K and its deficiency ( <b>B</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Prof. Maria	<b>Lecture:</b> Composition of plasma and plasma proteins ( <b>B</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Hina	<b>Lecture:</b> Immunoglobulins & eicosanoids ( <b>B</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Prof. Maria	<b>Lecture:</b> Classification and development of immune system ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Abroo	<b>Lecture:</b> Humoral immunity ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Samia	<b>Lecture:</b> Tolerance ( <b>P</b> ) <b>Venue:</b> Lecture hall 2 <b>Instructor:</b> Dr. Arsalan
10.45 – 12.45	<b>Group D:</b> Biochemistry SGD 3 - Biochemistry lab <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Biochemistry SGD 3- Biochemistry lab	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> Physiology SGD 3 – Physiology lab <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Physiology SGD 3 – Physiology lab	<b>Group D:</b> <b>Group E:</b>
12.46 - 01:10	<b>Lunch/ Prayer Break</b>					
01.15 – 03.15	<b>Group D:</b> Physiology lab 3 <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Physiology lab 3	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> Histology lab2 <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Histology lab2	

**Biochemistry SGD 3 -****Physiology SGD 3:****Physiology Lab 3:** Bleeding time & Clotting time**Histology Lab 2:** Macroscopic & microscopic structure of the Spleen & Tonsils

Group A, B & C

Week 3 (24/06/2019)

Theme: Structure and function of the Immune system

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08.30 – 09.30	<b>Lecture:</b> Biochemical functions of vitamin K and its deficiency <b>(B)</b> <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Prof. Maria	<b>Lecture:</b> Composition of plasma and plasma proteins <b>(B)</b> <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Hina	<b>Lecture:</b> Immunoglobulins & eicosanoids <b>(B)</b> <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Prof. Maria	<b>Lecture:</b> Classification and development of immune system <b>(P)</b> <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Abroo	<b>Lecture:</b> Humoral immunity <b>(P)</b> <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Samia	<b>Lecture:</b> Tolerance <b>(P)</b> <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Arsalan
09.35 – 10.35	<b>Lecture:</b> Fibrinolytic mechanism <b>(P)</b> <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Haji Khan	<b>Lecture:</b> Origin, characteristics & classification & functions of WBCs <b>(P)</b> <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Y. Mohammad	<b>Lecture:</b> Reticuloendothelial system <b>(P)</b> <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Haji Khan	<b>Lecture:</b> Properties of white blood cells <b>(P)</b> <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Samia	<b>Lecture:</b> Cell-mediated immunity <b>(P)</b> <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Abroo	<b>Lecture:</b> Complement system & interferons <b>(P)</b> <b>Venue:</b> Lecture hall 1 <b>Instructor:</b> Dr. Abroo
10.45 – 12.45	<b>Group A:</b> Physiology SGD 4– Physiology lab <b>Group B:</b> <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> Physiology SGD 4– Physiology lab <b>Group C:</b>	<b>Group A:</b> Biochemistry SGD 3 – Tutorial room 2 <b>Group B:</b> <b>Group C:</b> Physiology SGD 4– Physiology lab	<b>Group A:</b> <b>Group B:</b> Biochemistry SGD 3– Tutorial room 2 <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b> Biochemistry SGD 3– Tutorial room 2	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b>
12:46 - 01:10	<b>Lunch/ Prayer Break</b>					
01.15 – 03.15	<b>Group A:</b> Histology lab2 <b>Group B:</b> <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> Histology lab2 <b>Group C:</b>	<b>Group A:</b> Physiology lab 3 <b>Group B:</b> <b>Group C:</b> Histology lab2	<b>Group A:</b> <b>Group B:</b> Physiology lab 3 <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b> Physiology lab 3	

**Biochemistry SGD 3 -**

**Physiology SGD 3:**

**Physiology Lab 3:** Bleeding time & Clotting time

**Histology Lab 2:** Macroscopic & microscopic structure of the Spleen & Tonsils

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p><b>Physiology SGD 4:</b> Group A: Group B: Group C:</p>	<p><u>Study leave</u></p>		<p><u>Written Exam</u> Theory</p> <p>Total: 100 MCQs</p> <p>Duration: 02 hours 15 minutes Approx.</p>	<p>Viva Examination - Anatomy</p>	<p>Viva examination - Physiology</p>
<p><b>Physiology SGD 4:</b> Group D: Group E:</p>			<p>Viva Examination - Biochemistry</p>		