

## Group D &amp; E

Week 1 (10<sup>th</sup> - 14<sup>th</sup> July 2017)

Theme: Anaemia

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Lecture:</b> Introduction to Haematology – Blood (P) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Plasma and serum (P) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Erythropoiesis (P) <b>Venue:</b> Tutorial room II <b>Instructor:</b>	<b>Lecture:</b> Red blood cells - role and structure (P) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Microcytic anaemia (Pa) <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani
09.35 – 10.35	<b>Lecture:</b> Synthesis of haem (B) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Metabolism of Haem (B) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Role of Cobalamin & Jaundice (B) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Approach to the diagnosis of anaemia <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Pharmacological treatment of anaemia (Ph) <b>Venue:</b> Tutorial room II <b>Instructor:</b>
10.40 – 12.40					
01.15 – 03.00					

SGD = Small group discussion

CSS = Clinical Skills session

## Group A, B &amp; C

Week 1 (10<sup>th</sup> - 14<sup>th</sup> July 2017)

## Theme: Anaemia

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Lecture:</b> Synthesis of haem (B) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Metabolism of Haem (B) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Role of Cobalamin & Jaundice (B) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Approach to the diagnosis of anaemia <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Pharmacological treatment of anaemia (Ph) <b>Venue:</b> New Auditorium <b>Instructor:</b>
09.35 – 10.35	<b>Lecture:</b> Introduction to Haematology – Blood (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Plasma and serum (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Erythropoiesis (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Red blood cells - role and structure (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Microcytic anaemia (Pa) <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani
10.40 – 12.40					
01.15 – 03.00					

SGD = Small group discussion

CSS = Clinical Skills session

**Group D & E**

**Week 2 (17<sup>th</sup> – 21<sup>st</sup> July 2017)**

**Theme: Bleeding disorders**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Lecture:</b> Macrocytic anaemia (Pa) <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Anaemias – Haemolytic & Aplastic (Pa) <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Epidemiology & programmes – Anaemia (CM) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Anatomy of Lymph node & Tonsils (MALT) (A) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Anatomy of Lymph node & Tonsils (MALT) (A) <b>Venue:</b> Auditorium <b>Instructor:</b>
09.35 – 10.35	<b>Lecture:</b> Polycythaemia Vera (P) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> White blood cells – type, structure & origin (P) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Interferon & complimentary system (P) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Interferon & complimentary system continued... (P) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Anti-clotting mechanisms (P) <b>Venue:</b> Auditorium <b>Instructor:</b>
10.40 – 12.40	<b>Group D:</b> Biochemistry lab – Biochemistry SGD <b>Group E:</b> Self-study	<b>Group D:</b> Anatomy lab – Pharmacology SGD <b>Group E:</b> Biochemistry lab – Biochemistry SGD	<b>Group D:</b> Histology lab – Pathology SGD <b>Group E:</b> Anatomy lab – Pharmacology SGD	<b>Group D:</b> Histology lab – Physiology SGD <b>Group E:</b> Anatomy lab – Pathology SGD	<b>Group D:</b> Self-study <b>Group E:</b> Anatomy lab – Physiology SGD
01.15 – 03.00	<b>Group D:</b> Self-study <b>Group E:</b> Self-study	<b>Group D:</b> Physiology lab – Physiology practical <b>Group E:</b> Self-study	<b>Group D:</b> New Auditorium – Pathology lab <b>Group E:</b> Physiology lab – Physiology practical	<b>Group D:</b> Self-study <b>Group E:</b> New Auditorium – Pathology lab	<b>Group D:</b> Self-study <b>Group E:</b> Self-study

**Pathology lab:** TBA

**Physiology lab:** Interpretation of Blood indices – MCV, MCH & MCHC

## Group A, B &amp; C

Week 2 (17<sup>th</sup> – 21<sup>st</sup> July 2017)

Theme: Bleeding disorders

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Lecture:</b> Polycythaemia Vera (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> White blood cells – type, structure & origin (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Interferon & complimentary system (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Interferon & complimentary system continued... (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Anti-clotting mechanisms (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>
09.35 – 10.35	<b>Lecture:</b> Macrocytic anaemia (Pa) <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Anaemias – Haemolytic & Aplastic (Pa) <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Epidemiology & programmes – Anaemia (CM) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Anatomy of Lymph node & Tonsils (MALT) (A) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Anatomy of Lymph node & Tonsils (MALT) (A) <b>Venue:</b> New Auditorium <b>Instructor:</b>
10.40 – 12.40	<b>Group A:</b> Tutorial room I – Physiology SGD <b>Group B:</b> Tutorial room IV – Pathology SGD <b>Group C:</b> Anatomy lab – Pharmacology SGD	<b>Group A:</b> Self-study <b>Group B:</b> Tutorial room I – Physiology SGD <b>Group C:</b> Tutorial room IV – Pathology SGD	<b>Group A:</b> Biochemistry lab – Biochemistry SGD <b>Group B:</b> Self-study <b>Group C:</b> Tutorial room I – Physiology SGD	<b>Group A:</b> Tutorial room I – Pharmacology SGD <b>Group B:</b> Biochemistry lab – Biochemistry SGD <b>Group C:</b> Self-study	<b>Group A:</b> Tutorial room I – Pathology SGD <b>Group B:</b> Tutorial room IV – Pharmacology SGD <b>Group C:</b> Biochemistry lab – Biochemistry SGD
01.15 – 03.00	<b>Group A:</b> Self-study <b>Group B:</b> Tutorial room IV – Pathology lab <b>Group C:</b> Physiology lab – Physiology practical	<b>Group A:</b> Self-study <b>Group B:</b> Self-study <b>Group C:</b> Tutorial room IV – Pathology lab	<b>Group A:</b> Self-study <b>Group B:</b> Self-study <b>Group C:</b> Self-study	<b>Group A:</b> Physiology lab – Physiology practical <b>Group B:</b> Self-study <b>Group C:</b> Self-study	<b>Group A:</b> Tutorial room I – Pathology lab <b>Group B:</b> Physiology lab – Physiology practical <b>Group C:</b> Self-study

**Pathology lab:** TBA**Physiology lab:** Interpretation of Blood indices – MCV, MCH & MCHC

## Group D &amp; E

Week 3 (24<sup>th</sup> – 28<sup>th</sup> July 2017)

Theme: Leukaemia

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Lecture:</b> Classification & diagnosis of anaemia (Pa) <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Acute Leukaemia (Pa) <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Chronic Leukaemia (Pa) <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Lab investigations of bleeding disorders (Pa) <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Bleeding disorders (Pa) <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani
09.35 – 10.35	<b>Lecture:</b> Blood grouping & Cross-matching (P) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Blood transfusion & its complication (P) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Platelets – structure, function & formation (P) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Haemostasis - Mechanism (P) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Haemostasis - Pathways (P) <b>Venue:</b> Auditorium <b>Instructor:</b>
10.40 – 12.40	<b>Group D:</b> Biochemistry lab – Biochemistry SGD <b>Group E:</b> Self-study	<b>Group D:</b> Anatomy lab – Anatomy practical <b>Group E:</b> Biochemistry lab – Biochemistry SGD	<b>Group D:</b> Histology lab – Pathology SGD <b>Group E:</b> Anatomy lab – Anatomy practical	<b>Group D:</b> Tutorial room I – Physiology SGD <b>Group E:</b> Histology lab – Pathology SGD	<b>Group D:</b> Self-study <b>Group E:</b> Histology lab – Physiology SGD
01.15 – 03.00	<b>Group D:</b> Self-study <b>Group E:</b> Self-study	<b>Group D:</b> Physiology lab – Physiology practical <b>Group E:</b> Self-study	<b>Group D:</b> New Auditorium – Pathology lab <b>Group E:</b> Physiology lab – Physiology practical	<b>Group D:</b> Self-study <b>Group E:</b> New Auditorium – Pathology lab	<b>Group D:</b> Self-study <b>Group E:</b> Self-study

**Pathology lab:** Interpretation of blood reports – Anaemia**Physiology lab:** Interpretation of Blood indices – Red blood cell count & RBC's fragility

## Group: A, B &amp; C

Week 3 (24<sup>th</sup> – 28<sup>th</sup> July 2017)

## Theme: Leukaemia

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Lecture:</b> Blood grouping & Cross-matching (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Blood transfusion & its complication (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Platelets – structure, function & formation (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Haemostasis - Mechanism (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Haemostasis - Pathways (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>
09.35 – 10.35	<b>Lecture:</b> Classification & diagnosis of anaemia (Pa) <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Acute Leukaemia (Pa) <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Chronic Leukaemia (Pa) <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Lab investigations of bleeding disorders (Pa) <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Bleeding disorders (Pa) <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani
10.40 – 12.40	<b>Group A:</b> Tutorial room I – Physiology SGD <b>Group B:</b> Tutorial room IV – Pathology SGD <b>Group C:</b>	<b>Group A:</b> Self-study <b>Group B:</b> Tutorial room I – Physiology SGD <b>Group C:</b> Tutorial room IV – Pathology SGD	<b>Group A:</b> Biochemistry lab – Biochemistry SGD <b>Group B:</b> Self-study <b>Group C:</b> Tutorial room I – Physiology SGD	<b>Group A:</b> Anatomy lab – Anatomy practical <b>Group B:</b> Biochemistry lab – Biochemistry SGD <b>Group C:</b> Self-study	<b>Group A:</b> Tutorial room I – Pathology SGD <b>Group B:</b> Anatomy lab – Anatomy practical <b>Group C:</b> Biochemistry lab – Biochemistry SGD
01.15 – 03.00	<b>Group A:</b> Self-study <b>Group B:</b> Tutorial room IV – Pathology lab <b>Group C:</b> Physiology lab – Physiology practical	<b>Group A:</b> Self-study <b>Group B:</b> Self-study <b>Group C:</b> Tutorial room IV – Pathology lab	<b>Group A:</b> Self-study <b>Group B:</b> Self-study <b>Group C:</b> Self-study	<b>Group A:</b> Physiology lab – Physiology practical <b>Group B:</b> Self-study <b>Group C:</b> Self-study	<b>Group A:</b> Tutorial room I – Pathology lab <b>Group B:</b> Physiology lab – Physiology practical <b>Group C:</b> Self-study

**Pathology lab:** Interpretation of blood reports – Anaemia

**Physiology lab:** Interpretation of Blood indices – Red blood cell count & RBC's fragility

## Group D &amp; E

Week 4 (31<sup>st</sup> July – 4<sup>th</sup> August 2017)

## Theme: Immune disorders

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Lecture:</b> Coagulation disorders (Pa) <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Hodgkin's Lymphoma (Pa) <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Non-Hodgkin's Lymphoma (Pa) <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Innate immunity (P) <b>Venue:</b> Auditorium <b>Instructor:</b>	<b>Lecture:</b> Plasma cell disorders (Pa) <b>Venue:</b> Auditorium <b>Instructor:</b> Dr. GS Nizamani
09.35 – 10.35	<b>Lecture:</b> Role & mechanism of action of anticoagulants. (Ph) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Antibodies and their mechanism (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Acquired immunity (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Drugs used in immune disorders (Ph) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Drugs used in immune disorders continued... (Ph) <b>Venue:</b> New Auditorium <b>Instructor:</b>
10.40 – 12.40	<b>Group D:</b> Self-study <b>Group E:</b> Self-study	<b>Group D:</b> Anatomy lab – Anatomy practical <b>Group E:</b> Self-study	<b>Group D:</b> Histology lab – Pathology SGD <b>Group E:</b> Anatomy lab – Anatomy practical	<b>Group D:</b> Tutorial room I – Physiology SGD <b>Group E:</b> Histology lab – Pathology SGD	<b>Group D:</b> Self-study <b>Group E:</b> Histology lab – Physiology SGD
01.15 – 03.00	<b>Group D:</b> Self-study <b>Group E:</b> Self-study	<b>Group D:</b> Physiology lab – Physiology practical <b>Group E:</b> Self-study	<b>Group D:</b> New Auditorium – Pathology lab <b>Group E:</b> Physiology lab – Physiology practical	<b>Group D:</b> Self-study <b>Group E:</b> New Auditorium – Pathology lab	<b>Group D:</b> Self-study <b>Group E:</b> Self-study

## Group A, B &amp; C

Week 4 (31<sup>st</sup> July – 4<sup>th</sup> August 2017)

## Theme: Immune disorders

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Lecture:</b> Role & mechanism of action of anticoagulants. (Ph) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Antibodies and their mechanism (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Acquired immunity (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Drugs used in immune disorders (Ph) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Drugs used in immune disorders continued... (Ph) <b>Venue:</b> New Auditorium <b>Instructor:</b>
09.35 – 10.35	<b>Lecture:</b> Coagulation disorders (Pa) <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Hodgkin's Lymphoma (Pa) <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Non-Hodgkin's Lymphoma (Pa) <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani	<b>Lecture:</b> Innate immunity (P) <b>Venue:</b> New Auditorium <b>Instructor:</b>	<b>Lecture:</b> Plasma cell disorders (Pa) <b>Venue:</b> New Auditorium <b>Instructor:</b> Dr. GS Nizamani
10.40 – 12.40	<b>Group A:</b> Tutorial room I – Physiology SGD <b>Group B:</b> Tutorial room IV – Pathology SGD <b>Group C:</b>	<b>Group A:</b> Self-study <b>Group B:</b> Tutorial room I – Physiology SGD <b>Group C:</b> Tutorial room IV – Pathology SGD	<b>Group A:</b> Self-study <b>Group B:</b> Self-study <b>Group C:</b> Tutorial room I – Physiology SGD	<b>Group A:</b> Anatomy lab – Anatomy practical <b>Group B:</b> Self-study <b>Group C:</b> Self-study	<b>Group A:</b> Tutorial room I – Pathology SGD <b>Group B:</b> Anatomy lab – Anatomy practical <b>Group C:</b> Self-study
01.15 – 03.00	<b>Group A:</b> Self-study <b>Group B:</b> Tutorial room IV – Pathology lab <b>Group C:</b> Physiology lab – Physiology practical	<b>Group A:</b> Self-study <b>Group B:</b> Self-study <b>Group C:</b> Tutorial room IV – Pathology lab	<b>Group A:</b> Self-study <b>Group B:</b> Self-study <b>Group C:</b> Self-study	<b>Group A:</b> Physiology lab – Physiology practical <b>Group B:</b> Self-study <b>Group C:</b> Self-study	<b>Group A:</b> Tutorial room I – Pathology lab <b>Group B:</b> Physiology lab – Physiology practical <b>Group C:</b> Self-study



**Week 5: End-module Exam (7<sup>th</sup> August 2017)**

**Group A, B, C, D & E**

Day/ Time		Monday	Tuesday	Wednesday	Thursday	Friday
Morning	08.00 – 10.00 AM	Students study leave				<p><b>Exam Day</b>  <b>Part 2: Integrated Practical Examination</b></p> <p><b>08.30 – 03.30 PM</b></p> <ul style="list-style-type: none"> <li>• Practical exam</li> <li>• Viva examination</li> <li>• 100 marks</li> </ul>
	10.01 – 12.00 PM					
Afternoon	12.01 – 03.00 PM					