



Department of Pathology
Azra Naheed Medical College
 Class Test-1, 12 November 2015
 MBBS 4th Year Class
 (Subjective Part)

AML with Acute Promyelocytic Leukemia
 Acute Myeloid Leukemia
 Acute Erythroid Leukemia
 Megakaryoblastic Leukemia
 20th Nov 11-11-15

Haematopoietic System
 Blood

Time Allowed: 75 min

Total Marks: 25

FAB Classification of AML

- M0 → undifferentiated AML
- M1 → AML without differentiation
- M2 → Acute Myeloid Leukemia with maturation
- M3 → Acute Promyelocytic Leukemia
- M4 → Acute Myelomonocytic Leukemia
- M5 → Acute Monocytic Leukemia
- M6 → Erythroid Leukemia
- M7 → Megakaryoblastic Leukemia

Name: _____

Roll No: _____

Date: _____

Instructions:

- All subjective questions are to be attempted on the paper and returned to the invigilator within specified time after you have received the question paper.
- Neat hand writing, and use of margins will increase the out look and presentation of your paper.

Attempt all Questions. Each Question carry 5 marks

1. Define hemolysis & classify hemolytic anemias.

2. Write down the FAB classification of Acute myeloid leukemia.

3. A 16yrs male patients presents to the OPD with with the complaint of tiredness, shortness of breath. His labs show Hb of 7g/dl MCV of 55fl, RBC 200,000mm. His iron studies are normal.

a. What is the diagnosis?

b. What is the confirmatory test?

c. What are the clinical features with this disease?

4. A 70 yrs old patient presents with bony weakness & pathological fractures. His labs show some monoclonal antibodies, anemia, thrombocytopenia.

a. What is the diagnosis?

b. What investigation would help you diagnose?

c. What are the findings on peripheral blood film?

5. a. What are Philadelphia chromosome & its significance in leukemia?

b. Write down ext'insic & intrinsic pathways & one specific test to check each pathway.

Reciprocal translocation of 20q to the lower arm

Breakdown of RBILs
 Pg 1 Notes
 Thalassaemia
 CBC → HB ↓ { Blood (2) (1) (2)
 Types of
 Hypochroms
 Microcytic Anemia
 Hepatosplenomegaly
 Fetalis
 Hematopoiesis
 Hemochromatosis
 Point
 Multiple myeloma
 ① CBC (1)
 ② PBS (2)
 ③ MRI (2)
 ④ Creatinine cl (1)
 ⑤ Aspiration
 ⑥ Imaging (4)

Hydrops fetalis
 Membr. embolism
 Hepatic vein
 NCI (5) cut
 Hemol (5)

normal
 older formation
 LCN normal
 erythropoiesis
 Ew Plasmocytoma
 lymphocytosis
 normal Platelets
 SRA