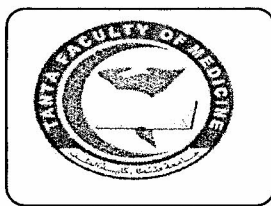


Tanta University

Faculty of Medicine

Clinical Pathology Department

October, 2017



Final Exam in

Hematology for Master Degree

Total Marks: 100

Time Allowed: 3 hours

Q1a- Enumerate mature B-cell neoplasm and discuss laboratory diagnosis of Multiple Myeloma (15 marks)

b- Discuss differential diagnosis of absolute lymphocytosis in old age. (10 marks)

Q2a- Enumerate causes of thrombocytopenia and discuss pathophysiology and laboratory findings in DIC. (10 marks)

(b) Give an account on laboratory tests for monitoring of anticoagulant therapy. (8 marks)

(c) Give an account on hemolytic transfusion reaction. (7 marks)

Q3 a- Discuss the roles of specific techniques in diagnosis and classification of acute leukemia (15 marks)

(b) Give an account on antigen presenting cells. (10 marks)

Q4- Give an account on

(a) Mechanism of anemia in case of Iron deficiency (10marks)

(b) Tabulate abnormal red cell morphology and its clinical significance (5 marks)

(c) Laboratory diagnosis of Immune-hemolytic anemia (10 marks)

الامتحان العملي يوم ١١-١٢-١٣ اكتوبر والشفهي ١٥ اكتوبر

Department chairman
Prof Desouky AboAmmo

Prof Aisha Abdel Latif
Prof Sohair AbdelHalim
Prof Enas Arafa
Prof Sahar Hammoudah



All questions must be answered:

Q 1	Mention PB and BM findings and cytogenetics of MDS according to WHO 2016 classification.	15
Q2	Give short account on: a) AML with recurrent cytogenetic abnormalities. b) Ph chromosome and its clinical significance. c) Hemochromatosis.	10 10 10
Q3	Write on a) Isolated aPTT prolongation. b) Erythrophagocytosis.	10 10
Q4	Discuss major mechanisms of thrombocytopenia and typical clinical scenarios in the ICU.	10
Q5	Discuss the molecular pathology and lab diagnosis of congenital spherocytosis.	10
Q6	Discuss T cell lymphoproliferative disorders.	15

Prof Dr: Fatma Gheith

Prof Dr: Mohamed Zahra

Prof Dr: Heba Morad

Prof Dr: Sahar Hazzaa

Head Dep

Prof Dr: Desoki AboAmou