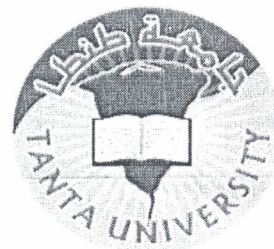


Examination for Master degree in Clinical Pathology
Hematology
Date: 7th of November, 2020
Total marks: 100



All questions must be answered

1. Give short account on; (30 marks)
 - a. Disorders of neutrophil number and function (15 marks)
 - b. Immune Hemolytic Anemia. (15 marks)

2. Discuss the following: (30 marks)
 - a. Expression of cell-surface and cytoplasmic markers for the diagnosis of acute myeloid leukemia and mixed-phenotype acute leukemia (15 marks)
 - b. DIC (pathogenesis ,causes and laboratory diagnosis) (15 marks)

3. Give short account on; (20 marks)
 - a. The revised WHO classification of myelodysplastic disorders (10 marks)
 - b. Comparison of acute versus chronic ITP (10 marks)

4. Describe the Bombay phenotype & mention its clinical significance (5 marks)

5. Define discrepancy of ABO blood group typing & enumerate the causes of ABO discrepancy (15 marks)

The exam has been prepared by:
- Prof. Sahar Hamouda
- Prof. Ghada abd-Elmomen
- Prof. Manal Eid (Head of Department)

Good Luck