



**BQ-4571**

Seat No. \_\_\_\_\_

**D. M. L. T. Examination**

**March - 2021**

**Hematology Immunohematology & Blood**

Time : **3 Hours**]

[Total Marks : **100**

- Instructions :** (1) Figures to the right indicate full marks.  
(2) Each section should be written in separate answer sheet.  
(3) Write legibly and to the point.

**SECTION - I**

- 1** Write notes on any four : **32**  
(a) Classification of Anemia. Causes and Investigations in Iron Deficiency anemia.  
(b) Chronic leukemias - definition , types and morphology.  
(c) Hemophilia.  
(d) Thalessemia.  
(e) Disseminated intravascular coagulation.
- 2** Answer in brief : **10**  
(a) Name four special stains used in Hematology.  
(b) Name four abnormal shapes of RBCs.  
(c) Give normal value of Hemoglobin in adult and children.  
(d) Bleeding time and Clotting time.  
(e) Describe RBC maturation in brief.
- 3** Answer in brief : **8**  
(a) LE cell preparation.  
(b) Causes of leucocytosis.  
(c) G6PD test-Method and Importance.  
(d) Indication of bone marrow aspiration.

## SECTION - II

- 4 Write short notes on any four: 32
- (a) BTR investigation.
  - (b) Describe blood transmitted diseases and tests used to detect them.
  - (c) Rh blood group systems.
  - (d) Storage of Blood components.
  - (e) Indications of blood transfusion-whole blood and components.
- 5 Write notes on any three : 18
- (a) CuSO<sub>4</sub> method to screen Hemoglobin.
  - (b) Gel Matrix method for blood grouping.
  - (c) Apheresis.
  - (d) Compatibility Testings.
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