

**B.Sc. IN MEDICAL LABORATORY
TECHNOLOGY (BMLT)**

Term-End Examination

December, 2016

00193

BAHI-002 : BASIC HAEMATOLOGY

Time : 3 hours

Maximum Marks : 70

Note : Attempt any *five* questions. Question no. 6 is *compulsory*.

1. (a) Describe the morphology of different leukocytes seen in the peripheral blood.
(b) Explain the procedure of total WBC count. 4+6=10

2. Define anticoagulant. Discuss the various anticoagulants used in haematology laboratory. 4+6=10

3. (a) Define anaemia. Explain the morphological classification of anaemia.
(b) Describe the blood picture of iron deficiency anaemia with diagram. 4+6=10

4. Define Erythrocytic Sedimentation Rate (ESR).
Discuss the physiological factors influencing sedimentation rate. 4+6=10
5. (a) List the functions of platelets.
(b) Describe the direct method of platelet count with normal value. 4+6=10
6. Write short notes on any *five* of the following : $5 \times 6 = 30$
- (a) Sickle Cell
 - (b) Prothrombin Time
 - (c) Morphology of LE Cell
 - (d) Osmotic Fragility
 - (e) Chronic Myeloid Leukemia
 - (f) Reticulocyte Count
 - (g) Leucocytosis
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