



HAEMATOLOGY AND BLOOD BANKING HSSC-II

74

Time allowed: 2:20 Hours

Total Marks Sections B and C: 40

NOTE: Answer any twelve parts from Section 'B' and any two questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION – B (Marks 24)

Q. 2 Answer any TWELVE parts. The answer to each part should not exceed 2 to 4 lines. (12 x 2 = 24)

- (i) What are the features of polychromatic normoblast and lymphoblast?
- (ii) Write normal values of WBC's, RBC's and Platelets.
- (iii) Write down procedure of wintrobe method for ESR.
- (iv) What is clinical significance of ESR?
- (v) What is clinical significance of thrombocytopenia?
- (vi) Define ovalocyte and prickle cell.
- (vii) What are laboratory findings of haemolytic anemia?
- (viii) Name different malarial parasites.
- (ix) Write procedure of clotting time.
- (x) Write a note on haemoglobin.
- (xi) Enumerate anticoagulants.
- (xii) What are clinical indications for bone marrow aspiration?
- (xiii) Enumerate types of leukemia.
- (xiv) What is Rh-typing?
- (xv) Explain tube method for Rh-typing.
- (xvi) Enumerate transfusion reactions.

SECTION – C (Marks 16)

Note: Attempt any TWO questions. All questions carry equal marks. (2 x 8 = 16)

- Q. 3**
- a. Write a note on methods of obtaining bone marrow. (04)
 - b. Explain chronic myeloid leukemia. (04)
- Q. 4** What is X-match, write down its types and explain major X-match in detail. (08)
- Q. 5**
- a. Write a note on characteristics of malarial parasite. (04)
 - b. Explain Osmotic fragility test. Write down its significance. (04)