





# HAEMATOLOGY AND BLOOD BANKING HSSC-II

91

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 is Hemolytic disease of New born?
- (ii) Give the indications of bone marrow aspirations.
- (iii) Give the principle of cyanmeth Hb estimation method.
- (iv) Give the conditions in which APPT is prolonged.
- (v) Give the principles of Erythrocyte sedimentation rate.
- (vi) Give the normal range of complete blood counts (CBC).
- (vii) What is normal hematocrit?
- (viii) What is anaemia?
- (ix) Name different blood group antigens.
- (x) Give the principle of bleeding time.
- (xi) Characteristics of good peripheral blood film.
- (xii) Give the method of Wright's staining.
- (xiii) What are the Red cell Indices (Absolute value).
- (xiv) Name the stages of Granulopoiesis.

## SECTION – C (Marks 16)

**Note:** Attempt any TWO questions. All questions carry equal marks.

( 2 x 8 = 16 )

**Q. 3** Classify acute leukaemias.

**Q. 4** Discuss blood transfusion reactions in detail.

- Q. 5**
- a. What is thrombocytopenia?
  - b. What is the clinical significance of thrombocytopenia?