

**Instructions:**

- a) All questions are compulsory
- b) Draw diagrams wherever necessary
- c) Answers of Questions and Sub-questions must be written strictly according to serial order of question paper.
- d) Do not write anything on the blank portion of question paper, if written anything such type of act will be considered as an attempt to resort to unfair means

**Q1. Long Answer questions**

2 X 10 = 20

- a. Discuss the vascular Changes in Acute Inflammation.
- b. Describe the Clinicopathological features of B thalassaemia.

**Q2. Short Answer Questions**

4 X 5 = 20

- a. Explain in short, the metastatic cascade.
- b. What are the laboratory findings in a case of megaloblastic anaemia?
- c. Describe the staining characteristics of Amyloid.
- d. Define Embolism, Enumerates its types and complications.

**Q3. Very Short Answer Questions**

1 X 10 = 10

- a. Define chemotaxis.
- b. Enumerate three infections which cause splenomegaly.
- c. Enumerate three tests done in bleeding disorders.
- d. Name three important tumour suppressor genes.
- e. Name two blood components.
- f. Name two main disorders of Haemoglobin.
- g. Give two examples of Metaplasia.
- h. Name any three oncogenic viruses.
- i. Name three cytochemical stains used to type the Acute Leukaemia.
- j. Which two essential phenomena distinguish reversible from irreversible injury.