

2023
(NOVEMBER)

Pathology - II

Full Marks: 80

Time: 3 hours

The figures in the margin indicate full marks for the questions
Answer all questions

A. Short answer type questions:

(2×10=20)

- 1) Write down the classification of haemoglobin.
- 2) What are the anticoagulants used in laboratory?
- 3) Give examples of special stains.
- 4) Write down the normal reference range of blood routine examination parameters.
- 5) What is OFT? Indication of OFT.
- 6) Write down the calculation method of RBC and platelet count from peripheral smear.
- 7) Write down the reference range of AEC and significance of absolute eosinophil count.
- 8) Write down the investigation of G6PD deficiency.
- 9) What is Hb electrophoresis? Clinical significance of this test.
- 10) What is TIBC? What are the tests done in serum Iron profile and their normal reference range?

B. Short notes type questions (any FIVE):

(4×5=20)

- 1) Name different red cell indices and their calculation method.
- 2) Write down the procedure of sickling test.
- 3) Draw the blood coagulation pathway.

Turn over

C. Essay type questions (any FOUR):

(10×4=40)

- 4) Write down the preparation of LE cell.
- 5) Write down different types of microtomes and their application.
- 6) Write the procedure of Frog leg view.
- 7) Write indications, contraindications, and patient preparation for abdominal radiography.
- 1) What is haemostasis? Write about the normal mechanism of blood coagulation.
- 2) Write down the quality control of haematology laboratory.
- 3) Write a short note on automated tissue processing.
- 4) Write a short note on FNAC.
- 5) Write down the principle, procedure and interpretation of reticulocyte count.
