

2056
B. Voc. (Medical Lab Technology)
Sixth Semester
BMLT-605: Haematology

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Write short note on:

- a) What is meant by bleeding disorders?
- b) What is platelet aggregation?
- c) Future trends in field of histopathology.
- d) RBC indices

(4x2)

UNIT - I

- II. a) Explain Prothrombin Time (PT) and its clinical significance.
- b) Describe Activated Partial Thromboplastin Time (APTT) and its interpretation. (4,4)

- III. Describe laboratory investigations in Disseminated Intravascular Coagulation (DIC) with suitable parameters. (8)

UNIT - II

- IV. a) Define fibrinolysis. Explain mechanism of fibrinolysis.
- b) Describe laboratory tests used to assess fibrinolytic activity. (4,4)
- V. Discuss platelet function tests and their clinical interpretation. (8)

UNIT - III

- VI. a) Describe karyotyping technique.
- b) Explain Fluorescence In Situ Hybridization (FISH). (4,4)
- VII. a) Discuss applications of radioisotopes in hematology.
- b) Explain safety measures for handling radioisotopes. (4,4)

UNIT - IV

- VIII. a) Discuss advanced techniques in haematology.
- b) Describe future trends in blood banking. (4,4)
- IX. Explain advanced techniques and future trends in clinical pathology. (8)

x-x-x