

2024

**MEDICAL LABORATORY TECHNICIAN / MEDICAL LAB AND
MOLECULAR DIAGNOSTIC TECHNOLOGY**

Paper : MLT/MDT-VC-2036

(Pathology II)

Full Marks : 60

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. Fill in the blanks: 1×7=7

- a. Heinz bodies in the erythrocytes are seen in patients with deficiency.
- b. Evaluation of extrinsic and common pathway is done by
- c. Drepanocytes are seen in anaemia.
- d. Hingleman's fluid is used for count.
- e. The site for bone marrow aspiration is
- f. Juvenile red blood cells are known as
- g. bone marrow is responsible for production of haematopoiesis.

2. Answer all the following questions: 2×4=8

- a. What do you mean by extra-medullary haematopoiesis?
- b. Name any two coagulation disorders.
- c. Mention some abnormal haemoglobin variants.
- d. What are the components of fibrinolytic system?

3. Answer any three of the following questions: 5×3=15

- a. What are the importances of bone marrow examination?
- b. Enumerate sickling test.
- c. How will you segregate various biomedical waste?
- d. How will you perform bleeding time (BT)?
- e. How will you prepare a thin blood film and stain with Leishman's stain?