

**2003000205020074**  
**EXAMINATION FEBRUARY-MARCH 2024**  
**BACHELOR OF SCIENCE (FIFTH SEMESTER)**  
**MEDICAL LABORATORY TECHNOLOGY-XIV (MLT-14-**  
**HEMATOLOGY) LEVEL-2**

[Time: As Per Schedule]

[Max. Marks: 50]

**Instructions:**

**1. Fill up strictly the following details on your answer book**

- a. Name of the Examination : **BACHELOR OF SCIENCE (FIFTH SEMESTER)**
- b. Name of the Subject : **MEDICAL LABORATORY TECHNOLOGY-XIV (MLT-14-HEMATOLOGY) LEVEL-2**
- c. Subject Code No : **2003000205020074**

2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

**Q.1 Answer in brief:**

**8**

1. What is a target cell?
2. Name the method used for determination of haematocrit. Give its normal range.
3. State the principle of NESTROF test.
4. Elaborate G6PD. State its significance.

**Q.2 Attempt any two of the following:**

**14**

1. Describe the abnormal forms of WBC.
2. Explain the mechanism of blood coagulation.
3. Discuss the method for RBC count.

**Q.3 Write an essay on any one of the following:**

**14**

1. Explain the methods for determination of haemoglobin elaborating the advantages and disadvantages of each methods.
2. Morphological classification of anaemia.

**Q.4 Write short notes on any two of the following:**

**14**

1. Clot retraction v/s clot lysis
2. Thrombopoiesis
3. Westergren method

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