



RAN - 2003000205020074

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**T.Y.B.Sc. (MLT) (Sem. V) Examination November - 2023**

**Haematology - MLT : 14**

**SET - 01**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**सूचना : / Instructions**

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नीचे दृशविवेक निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.

Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. (MLT) (Sem. V)

Name of the Subject :

Haematology - MLT : 14  
SET - 01

Subject Code No.: 2003000205020074

Seat No.:

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Student's Signature

- (2) Illustrate your answers with neat and labeled diagrams wherever necessary.  
(3) Figures to the indicates the marks allotted to the questions.

**Q. 1 Answer in brief:**

**8**

1. State the principle of Leishman Staining.
2. Give the normal range of RBC and Platelet in adults.
3. Mention the morphology of a reticulocyte. Name the method used for staining it.
4. Elaborate APTT. Mention its normal range.

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

**14**

1. Explain in brief stages of development in leucopoiesis.
2. Mention the morphological classification of anaemia.
3. Write a note on bleeding time and clotting time.

**Q.3 Write an essay on any one of the following: 14**

1. Enlist the coagulation factors and describe the coagulation cascade with suitable diagram.
2. Describe different methods for estimation of Haemoglobin.

**Q.4 Write short notes on any two of the following: 14**

1. ESR and its determination
  2. NESTROF test
  3. Venous blood collection
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