



RAN-2003000205020074

T.Y.B.Sc.(MLT) (Sem. - V) Examination October - 2025

MLT: 14 Haematology (old)

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) Q. 1 is a compulsory question.
- (3) Draw diagrams wherever necessary
- (4) Figures to the right indicates the marks allotted to the questions.

Seat No.:

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Student's Signature

- Q. 1 Answer in one or two sentences each: 08**
1. What are megakaryocytes? Give their significance.
 2. What are smudge cells?
 3. What is Hb F? Give its clinical significance.
 4. Give the full form of PT, APTT and also give their normal range.
- Q. 2 Answer the following: (Any Two): 14**
1. Describe the structure of Haemoglobin.
 2. Explain the determination method of PCV. Show its relation with MCH.
 3. Discuss the clot retraction and clot lysis test.
- Q. 3 Write an essay on any one of the following: 12**
1. Discuss the mechanism of coagulation and coagulation cascade.
 2. Explain principle, procedure and interpretation of screening tests for Sickle cell Anaemia.
- Q. 4 Write short notes on:(Any Two): 16**
1. Osmotic fragility test.
 2. Platelet count.
 3. Leucopoiesis.