



RAN-1083

T.Y.B. Sc. (Semester-V) Medical Technology Examination

March / April - 2019

MT 14: Haematology

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B. Sc. (Semester-V) Medical Technology

Name of the Subject :

Haematology

Subject Code No.: 1 0 8 3

Seat No.:

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Student's Signature

1. Answer **all** the questions.
2. Draw neat and labeled diagrams wherever necessary.
3. Figures to the **right** indicate full marks of the question.

Q.1 Give specific answers:

(8)

1. What is ESR? Give its normal range and its significance.
2. Give different forms of abnormal haemoglobins. Give clinical significance of HbS.
3. What is the purpose of determining blood indices? Give normal range for MCV.
4. Give causes of thrombocytopenia.

Q.2 Explain in detail any two of the following:

(14)

1. Advantages and Disadvantages for various methods of haemoglobin estimation.
2. Abnormalities of RBCs and its significance.
3. Differentiate between capillary and venous blood composition. Explain capillary blood collection with different sites.

Q.3 Explain any one of the following: (14)

1. Megaloblastic anaemia with lab interpretations.
2. Iron deficiency anaemia.

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

1. Reticulocyte count.
 2. Leucocytosis.
 3. Differential staining.
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