



# RAN-1171

## T.Y.B. Sc. Microbiology SEM-VI Examination

### March / April - 2019

### MB 22 Haematology and Blood banking

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. Microbiology SEM-VI

Name of the Subject :

MB 22 Haematology and Blood banking

Subject Code No.: 1 1 7 1

Seat No.:

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Student's Signature

- Q.1 Give Specific answers : 12**
- State the collection sites and uses of capillary blood.
  - What is Drabkin's reagent .State its use.
  - Enlist the causes for false positive results in ABO grouping.
  - What are 'Packed cells'? State its importance.
  - Define natural antibodies with examples.
  - Why do the erythrocytes lyse in water. How can this be prevented.
- Q.2 Explain/comment on any two of the following : 12**
- Selection of a donor is crucial for blood donation.
  - Explain : Principle and Procedures of Rh Blood typing.
  - Explain Haematocrit and its determination by Wintrobe's method.
- Q3. Answer any two of the following: 16**
- Discuss the techniques for collection of venous blood.
  - What is the normal range of Haemoglobin. Enlist and explain any one method for its determination.
  - Discuss the Principles and procedures for Cross-matching.

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

**10**

- a. Leucocytes
  - b. Bleeding time determination
  - c. Discovery of Major Blood Group Systems
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