



# RAN-1228

## B. Sc. (Medical Technology) (Semester-VI) Examination

March / April - 2019

### MT 21: 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:

B. Sc. (Medical Technology) (Semester-VI)

Name of the Subject :

MT 21: Blood banking

Subject Code No.: 1 2 2 8

Seat No.:

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Student's Signature

#### 1 Answer the following:

8

- Justify: Bombay phenotype RBCs do not react with anti-H
- Principle of Indirect antiglobulin test.
- Reactions in major and minor cross match.
- Enumerate the mandatory screening tests done for the donor

#### 2 Write in details any Two of the following:

14

- Other Blood group systems
- Trouble shooting in grouping and cross matching.
- Investigation of blood transfusion reactions.

- 3 Write an essay on any one of the following: 14**
- (a) Describe various techniques for the ABO blood grouping in detail.
  - (b) Procedures for some commonly used tests for coagulation defects.
- 4 Write short notes on any two of the following: 14**
- (a) Significance of H gene in Bombay phenotype
  - (b) Weaker variants of RH blood group system
  - (c) Preparation of platelet concentrate
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