



RAN-2103000206020075

B.Sc. (Sem. VI) Examination September - 2025

MLT-21 Blood Banking

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

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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. (Sem. VI)

Name of the Subject :

MLT-21 Blood Banking

Subject Code No.: **2103000206020075**

Seat No.:

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Student's Signature

- (2) Q. 1 is a compulsory question.
(3) Draw diagrams wherever necessary.
(4) Figures to the right indicate the marks allotted to the questions.

Q.1. Answer in one or two sentences each: 08

1. Elaborate CPDA. What is its significance in blood bank?
2. Define: Transfusion reactions.
3. Mention two examples of each of major and minor blood systems.
4. How can we store fresh frozen plasma? Give its use.

Q-2. Answer the following: (Any Two): 14

1. Discuss various Haemolytic transfusion reactions.
2. Explain the preparation and use of Platelet concentrate.
3. Describe donor selection and rejection criteria before blood donation.

Q-3. Write an essay on any one of the following: 12

1. Explain the mechanism of HDN and discuss its investigation.
2. Write a detailed note on Rh blood group system.

Q-4. Write short notes on: (Any Two): 16

1. Red cell concentrate.
2. Methods to determine ABO grouping.
3. Reactions during and after blood donation.