

2103000206020075
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (SIXTH SEMESTER)
MEDICAL LABORATORY TECHNOLOGY-XXI (MLT-21-
BLOOD BANKING) - LEVEL 2

[Time: As Per Schedule]

[Max. Marks: 50]

Instructions:

- 1. Fill up strictly the following details on your answer book**
 - a. Name of the Examination: **BACHELOR OF SCIENCE (SIXTH SEMESTER)**
 - b. Name of the Subject: **MEDICAL LABORATORY TECHNOLOGY-XXI (MLT-21-BLOOD BANKING) - LEVEL 2**
 - c. Subject Code No: **2103000206020075**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Answer in short:

8

- a) Which antigen is a precursor for A and B antigen? Which antigen is present in O group red cells?
- b) Name any one anticoagulant and its use in Blood bank
- c) Name any two transfusion reactions
- d) What is RCC? Give its storage temperature.

Q.2 Attempt any two of the following:

14

- a) Name the blood groups and discuss the methods of ABO grouping
- b) Discuss donor selection and rejection criteria
- c) What are the different types of blood transfusion?

Q.3 Attempt any two of the following:

14

- a) Anti A titre
- b) Compatibility test
- c) What is the approach when a transfusion reaction is reported

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

14

- a) Name different blood components and its uses
- b) Indirect antiglobulin test
- c) Plateletpheresis
