

2207H010

B.Voc Medical Laboratory Technology
Subject: Immunohematology Blood Banking Techniques
Subject Code: MLT-607
Semester: Fourth
July 2022
Theory (External): 35 Marks
Time: 03 Hours

Instructions to the Students

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 1 mark.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 5 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number											

SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)
(10x1=10 Marks)

- A. Define Rh Blood groups.
- B. Composition of anticoagulant used in Blood Bank
- C. Lewis blood group system
- D. What is HDN?
- E. What is Plasmapheresis?
- F. Bombay Phenotype
- G. Define Transfusion reactions.
- H. Expand DGHS.
- I. Define complement.
- J. Forward and Reverse grouping

SECTION –B (ESSAY TYPE QUESTIONS)
(5x5=25 Marks)

1. What is Cross matching? What is Direct and Indirect Cross matching?
2. Explain procedure of ABO grouping. What are the advantages of Reverse blood Grouping?
3. Describe Indirect Coomb's Test. What is its use and clinical significance?
4. Discuss in detail about Screening and Prevention of Transfusion Transmitted Infection.
5. Explain the criteria of deferral donor and rejection of donor in Blood Transfusion.
6. Write an explanatory note on Blood transfusion reaction and its types.
7. Write short note on Indian Red Cross Society.
8. Describe Platelets concentrates preparation and its use.

==END OF PAPER==