



Total pages: 01

MCC/22/M.SC./SEM.-III/MLT/1

PG (CBCS)
M.Sc. Semester- III Examination, 2023
MEDICAL LABORATORY TECHNOLOGY
PAPER: MLT 304C
(BLOOD BANK PROCEDURE)

Full Marks: 40

Time: 2 Hours

The figures in the right-hand margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

GROUP-A

1. Answer any **FOUR** of the following questions: 2×4=8
- a) What is 4-2-1 rules in blood transfusion?
 - b) What do you mean by blood group genotyping?
 - c) What do you mean by weak D and partial D?
 - d) What is pilot tube?
 - e) Simply discuss the process of polyadenylation.
 - f) What is SAGM?

GROUP-B

2. Answer any **FOUR** of the following questions: 4×4=16
- a) Write a short note about bacterial contaminated blood.
 - b) Discuss the antigenic conformation of blood group A and B with diagram.
 - c) Write the screening procedure of HIV and HBV in blood bank.
 - d) What is TRALI and TACO?
 - e) Give a brief idea about blood bank refrigerator.
 - f) Discuss about Fisher-Race Weiner nomenclature.

GROUP-C

3. Answer any **TWO** of the following questions: 8×2=16
- a) Write the principle and procedure of major and minor cross match. 4+4
 - b) How does blood components are separated in blood bank? 8
 - c) What is PRP? Write down the principle of direct Coomb test 2+6
 - d) What is TTI? Discuss about apheresis procedure. 2+6
