

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Medical Lab Sciences) (Sem.-6)

BLOOD BANKING

Subject Code : BMLS603-18

M.Code : 79486

Date of Examination : 03-01-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

1. Write briefly :

- a) What should be the storage criteria for blood components?
- b) Define incomplete antibodies.
- c) What are the complications of blood transfusion?
- d) What are the sources of error in blood grouping?
- e) What is cryoprecipitate and give its applications?
- f) What is the Bombay blood group?
- g) Give a brief idea about satellite bags.
- h) What is major cross matching?
- i) Define Rh factor.
- j) Write briefly about professional donors.

SECTION-B

2. Discuss the complete procedure for blood transfusion.
3. Write a short note on haemapheresis.
4. Write a short note on quality control in blood bank.
5. What type of material should be used for transfusion bottles?
6. Briefly discuss about Transfusion reaction and their investigations.

SECTION-C

7. Discuss various types of blood grouping.
8. Discuss the process of preparation and their therapeutic applications of following blood fractions:
 - a) Frozen red cells
 - b) Platelet rich plasma.
9. Discuss various anticoagulants used in blood bank. Give their merits and demerits.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.