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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 : 18-05-2023

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 is the significance of hybridoma technique?
- b) What is the acceptable temperature range for blood bank refrigerator?
- c) Which biochemical changes do not occur in stored blood?
- d) Define anticoagulant.
- e) What is the full form of FFP?
- f) Define haemapheresis.
- g) What is the Bombay phenotype?
- h) Discuss blood preservation and storage.
- i) What quality controls are involved in blood transfusion?
- j) What do you mean by plasmapheresis?

SECTION-B

2. Describe the procedure of ABO grouping. Give an account of advantages of reverse blood grouping.
3. Write a short note on Indirect Coomb's test ICT.
4. Discuss briefly about platelet rich plasma & frozen platelets.
5. Define Antisera titration. Describe in details the purpose of precautions during procurement and storage.
6. Write in detail about compatibility test of blood transfusion.

SECTION-C

7. Describe Rh - blood groups. Give an account of Rh sensitization and Rh immunization.
8.
 - a) What are the ABO blood groups?
 - b) Difference between major and minor cross matching.
9.
 - a) What are transfusion reactions?
 - b) Describe the laboratory procedures to investigate the case of transfusion reaction.

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.