

Roll No.

[illegible]

Total No. of Questions : 09

B.Sc.(MLS) (Sem.-5)

BLOOD BANKING

Subject Code : BMLS-503

M.Code : 70467

Date of Examination : 14-12-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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 has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students has to attempt any **TWO** questions.

SECTION-A

1) Answer briefly :

- a) Define Acute Normovolemic Hemodilution.
- b) What is meant by Aphaeresis?
- c) Name any 2 anticoagulants used while collecting blood for transfusion.
- d) What is meant by Rh Factor?
- e) Define Coagulopathy.
- f) Mention the therapeutic purpose for which PRP is transfused.
- g) Expand FFP.
- h) Mention the purpose of Compatibility test.
- i) What do you understand about Diphosphoglycerate?
- j) Define Hemochromatosis.

SECTION-B

2. Discuss major and minor cross matching in blood transfusion.
3. Write a note on Artificial Blood.
4. Discuss the purpose, procedure and interpretation of Coomb's test.
5. What are the possible complications that could be encountered during blood transfusion?
6. Write a brief note on titration of various antisera.

SECTION-C

7. Explain the “*process of preparation of Platelet concentrate*” for transfusion and therapeutic purposes in detail.
8. Write a detailed note on history and discovery of various blood group systems.
9. Discuss the guidelines to be followed while procurement and storage of grouping antisera in detail.

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.