

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Operation Theatre Technology) (Sem.-4)

TRANSFUSION MEDICINE

Subject Code : BSOT-402-19

M.Code : 91754

Date of Examination : 24-01-2023

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 :

- What is FFP?
- Define *Rh* factor.
- Define shelf life.
- What is a Blood Transfusion? Write the importance of Blood transfusion.
- What is AHG test? For what purpose it is used for?
- What is the requisition of blood and blood products?
- Describe direct and Indirect test.
- Enlist various types of blood groups.
- What is the proper storage condition for the blood?
- Plasticizers used in blood bags.

SECTION-B

2. Discuss Changes in red cells with storage and its impact on transfusion practice.
3. Discuss Blood Transfusion in the 21st century.
4. Describe the structure and function of platelets and changes that occur with the storage of platelet-rich concentrates.
5. What is the Role of the complement systems in transfusion practice?
6. Explain the physiology of blood donation.

SECTION-C

7. Enumerate the process and procedures to develop appropriate blood/blood product usage and transfusion safety.
8. Write in detail about the genetics, structure and immunological basis of ABO blood groups.
9. How is blood collected? Enlist the procedure for its preservation and standardization.

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.