

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

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

CLINICAL HAEMATOLOGY

Subject Code : BSOT407-19

M.Code : 91759

Date of Examination : 22-01-2023

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) Expand RCI and ESR.
 - b) Give method of collection of blood sample for haematological investigations.
 - c) Write the management of cardiac shock.
 - d) Enlist various factors required for blood coagulation.
 - e) In which clinical conditions neutrophilia occurs?
 - f) What is the clinical significance of determining TLC?
 - g) Give the importance of hematology.
 - h) Write the functions of WBCs.
 - i) Define prothrombin time.
 - j) Write the normal values of reticulocyte count and absolute eosinophil count.

SECTION-B

2. Discuss briefly about the process of blood coagulation.
3. What is neutropenia and give its relevance in surgery?
4. Write briefly about signs and various types of anemia.
5. Write a brief note on hypovolemic shock.
6. Write the normal values and clinical significance of estimation of platelet count.

SECTION-C

7. Write the principle, procedure, calculation and normal value of total RBC count.
8. Describe the process of collection and preservation of blood sample for various haematological investigations.
9. Explain in detail about trauma and various bleeding disorders.

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.