

Roll No.

Total No. of Pages : 02

Total No. of Questions : 11

M.Sc (Medical Microbiology) (Sem.-2)

HEMATOLOGY

Subject Code : MMB 202-21

M.Code : 92125

Date of Examination : 06-07-22

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **EIGHT** questions carrying **FIVE** marks each and students have to attempt any **SIX** questions.
3. **SECTION-C** will comprise of two compulsory questions with internal choice in both these questions. Each question carries **TEN** marks.

SECTION-A

1. **Briefly about the following :**
 - a) Enlist the naturally occurring anticoagulants?
 - b) How erythropoiesis is formed in blood?
 - c) What is packed cell volume?
 - d) What is the full form of TLC and RBC?
 - e) How sudan black stain is used?
 - f) How maintenance of cell counter is done?
 - g) Write test for iron deficiency.
 - h) Enlist the disorder of red blood cells.
 - i) Give FAB classification.
 - j) Write the classification of vascular disorders.

SECTION-B

2. Elaborate the anticoagulation with their mode of action.
3. Write down the plasma and cellular composition of blood with its normal value.
4. Write down the procedure for leucocyte count and ESR.
5. What is the role of cytochemical stains with any examples?
6. Elaborate the working and principle of coagulometer.
7. Briefly about the clinical feature and pathophysiology of megaloblastic anemia.
8. Write about the disorders of white blood cells.
9. Explain about the classification of platelet disorder.

SECTION-C

10. Elaborate vascular disorder with their mechanism and pathogenesis.

or

Explain in detail account of disorders of Hemolytic anemia.

11. Mention principle and procedure for differential leucocyte count.

or

Write about any one hematology laboratory automation with principle and working.

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