

Roll No.

Total No. of Pages : 02

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B.Sc. (MLS) (Sem.-3)

BASIC HAEMATOLOGY-& HAEMATOLOGICAL TECHNIQUES-I

Subject Code : BMLS-301-18

M.Code : 76630

Date of Examination : 12-12-22

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 thrombocytopenia?
- Write the principle of Giemsa stain.
- Discuss the structure of RBC.
- Write the significance of basophil.
- Write the importance of hematology lab?
- What is rouleaux formation?
- Write the function of leucocytes.
- What is ESR?
- What is the importance of platelets?
- Write down the formula for calculating cell count during hemocytometry.

SECTION-B

2. Write a short note on the methods used for haematocrit.
3. Write a short note on Romanowsky's staining.
4. Name the sites of erythropoiesis from the early embryonic stage of development until fully established in adults.
5. What are the composition and functions of blood?
6. Discuss in detail the preservation of blood samples for various hematological investigations.

SECTION-C

7. Discuss various types of blood collection methods. Give advantages and disadvantages of them.
8. Discuss the principle, procedure and results of the Leishman stain.
9. Define ESR. Explain in detail the mechanism of erythrocyte sedimentation. Discuss its clinical importance.

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.