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Total No. of Pages : 02

Total No. of Questions : 18

B.Sc. (MLS) (2018 Batch) (Sem.-3)

BASIC HAEMATOLOGY-& HAEMATOLOGICAL TECHNIQUES-I

Subject Code : BMLS-301-18

M.Code : 76630

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

Write briefly :

- 1) Give applications of haematology.
- 2) Define thrombocytopenia.
- 3) What is reason behind reduced hematocrit in patients?
- 4) Enlist factors affecting quality of blood smear.
- 5) Applications of hematocytometer.
- 6) Explain significance of non-cellular component of blood.
- 7) Explain clinical significance of leucocytes.
- 8) Enlist various parts of blood films.
- 9) What is normal range of absolute eosinophil and its significance?
- 10) Define Thrombopoiesis.

SECTION-B

- 11) Define ESR and write a note on its clinical importance. What kind of instruments are used to determine it?
- 12) Discuss various errors possible in DLC. What are different methods to minimize these?
- 13) Define Haematology. Enlist various equipment used in Haematology.
- 14) Write down the principle and procedure for Leishman staining.
- 15) What are the safety and precautionary measures to be followed in haematology labs?

SECTION-C

- 16) Write a short note on blood sample collection methods and its preservation for various haematological investigations? What are precautionary and safety measurements need to be followed?
- 17) Discuss the various techniques for blood film preparations in detail.
- 18) Give the composition of blood with functions of each component. Discuss structure of RBC.

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.