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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) What is the function of erythropoietin?
- 2) Why sodium citrate is not used as an anticoagulant for haemogram?
- 3) What is advantage of Westergren's tube?
- 4) Give the name and composition of leucocyte count diluents.
- 5) What is an ideal smear?
- 6) What is the composition of blood?
- 7) What is the use and advantage of improved Neubauer chamber?
- 8) Give the composition of Drabkin's solution.
- 9) What is methemoglobin?
- 10) Define reticulocyte.

SECTION-B

- 11) What is supravital staining? Give its importance in hematology laboratory.
- 12) Write a short note on Sahli's method of haemoglobin estimation.
- 13) Discuss the principle and importance of various analyzers used in hematology lab.
- 14) Explain briefly the process of thrombopoiesis.
- 15) Describe the principle, method and precautions to be followed while doing PCV.

SECTION-C

- 16) Discuss the principle, composition and preparation of Wright stain.
- 17) Discuss various types of blood collection methods. Give the advantages and disadvantages of each.
- 18) What is the importance of ESR? Discuss the mechanism of sedimentation and precautions to be followed while putting ESR.

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.