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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (2013 to 2017) (Sem.-1)
BASIC HAEMATOLOGY &
HAEMATOLOGICAL TECHNIQUES-I
Subject Code : BMLS-103
M.Code : 48048

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**Q1. Answer all of them :**

1. What is zeta potential?
2. What is thrombocytopenia?
3. What is rouleaux formation?
4. What is the depth of an improved Neubauer chamber?
5. Discuss principle of Giemsa stain.
6. Discuss the structure of RBC.
7. Name various parts of a blood film.
8. What is the significance of eosinophil?
9. Write down the formula for calculating cell count during hemocytometry.
10. Discuss leucopoiesis.

SECTION-B

- Q2. Discuss the method for doing absolute eosinophil count.
- Q3. Write a short note on Romanowsky's staining.
- Q4. What is the composition and functions of blood?
- Q5. Write down various precautions and safety measure which have to be followed in a haematology laboratory.
- Q6. Discuss various anticoagulants used in a hematology laboratory along with their merits and demerits.

SECTION-C

- Q7. What is haemocytometry? Explain the method for doing total leucocyte count. Discuss various errors involved and means to minimize these errors.
- Q8. What is haemopoiesis? Discuss in detail the process of erythropoeisis.
- Q9. 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.