

Roll No.....

Total No. of Printed Pages: 1

Total No. of Questions: [09]

B.Sc. (MLS) (Semester – 3rd)
APPLIED HAEMATOLOGY I
Subject Code: BMLS1319
Paper ID: [130514]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

- Q1. Attempt the following:
- a) Define Standard Deviation.
 - b) Enlist various Body Fluids.
 - c) What do you understand by the term CSF?
 - d) What is the scope of Applied Haematology?
 - e) Define Haematology.
 - f) Give composition of Bone Marrow.
 - g) What is Seminal Fluid?
 - h) Define Abnormal Morphology.
 - i) Classify Biomedical Waste.
 - j) Give standard guidelines related to Safety Precautions in Haematology.

Section – B

(5 marks each)

- Q2. Give difference between Precision and Accuracy with suitable examples.
- Q3. What are the various Morphological changes occur in Blood cells.
- Q4. Write down the aspiration procedure and processing of Bone Marrow.
- Q5. Why routine examination of urine is necessary?
- Q6. Write about process of Trephine Biopsy Specimens.

Section – C

(10 marks each)

- Q7. Describe in details about Composition and functions of Bone-marrow.
- Q8. Write a short note on: Statistical Analysis, Leucocytes, and treatment procedures of Biomedical Waste.
- Q9. What are the various internal and external quality controls and routine quality assurance protocol in Haematology.