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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Medical Lab Sciences) (Sem.-5)

APPLIED HAEMATOLOGY-I

Subject Code : BMLS-501-18

M.Code : 78368

Date of Examination : 26-05-2023

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 :
 - a) What is the difference between accuracy and precision?
 - b) What do you mean by quality assurance?
 - c) Write down the clinical features of bleeding disorder.
 - d) Define Leucocytosis and how it is caused?
 - e) What is Mucin Clot test?
 - f) Enlist some tests performed on seminal fluid.
 - g) Enlist the morphological changes in RBC.
 - h) What is the composition of bone marrow?
 - i) Write 4 safety measures to be taken in haematology lab.
 - j) Define Standard deviation.

SECTION-B

2. Define LE cell phenomena with its clinical significance.

3. Write in brief about biological waste management in a haematology laboratory.
4. Explain in detail about the routine examination of synovial fluid.
5. Explain in detail about the Blood cell counter.
6. Write down the procedure for quantitative assay of coagulation factors.

SECTION-C

7. Write a detailed note on aspiration and processing of bone marrow.
8. Explain the processing and staining of trephine biopsy specimens.
9. Write a detailed note on routine examination of urine.

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.