

Roll No.

Total No. of Pages : 02

Total No. of Questions : 18

B.Sc.(MLS) (Sem.-5)
APPLIED HEMATOLOGY-I
Subject Code : BMLS-501-18
M.Code : 78368

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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 has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A

Answer briefly :

- 1) Write down the functions of bone marrow.
- 2) Differentiate between accuracy and precision.
- 3) Write down the safety precautions in hematology.
- 4) What do you mean by coagulometer?
- 5) Define L.E. cell.
- 6) Name any two bleeding disorders.
- 7) Write down the composition of seminal fluid.
- 8) Write down location and functions of peritoneal fluid.
- 9) What is the normal range of Hb in a male and female?
- 10) Enumerate red cell anomalies.

SECTION-B

- 11) What do you mean by quality assurance? Discuss in brief about routine quality assurance protocol.
- 12) Explain the working principle and applications of the blood cell counter.
- 13) Discuss briefly about the processing of aspirated bone marrow.
- 14) Write a note on biomedical waste management in haematology laboratory.
- 15) Discuss in brief about the routine examination of urine.

SECTION-C

- 16) What is L.E.cell phenomenon? Give the demonstration of L.E.cell various methods.
- 17) Explain in detail about the routine examination of CSF and synovial fluid.
- 18) Write down the principle and procedure for the quantitative assay of coagulation factors.

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.