

Roll no _____

ID:181915

Semester: 1st Year

Branch: DMLT

Subject Name: Haematology

Time Allowed : 3 Hrs.

MM: 60

Section –A

Note: Multiple Choice questions. All questions are compulsory.

6x1=6

- Q.1 Protein and _____ are the main component of Hemoglobin.
(a) Sodium (b) Iron
(c) Potassium (d) None of these
- Q.2 Haemoglobinometer is used for _____ ?
(a) Hb. Estimation (b) Cell count
(c) Pulse rate (d) None of these
- Q.3 Which cell helps in Blood clotting?
(a) WBCs (b) Platelets
(c) RBCs (d) None of these
- Q.4 Which one is a connective Tissue?
(a) Blood. (b) Urine
(c) Muscle (d) None of these
- Q.5 Normal range of WBCs.
(a) 1500-2500 cells/cumm (b) 1000-5000 cells/cumm
(c) 4000-10000 cells/cumm (d) None of these
- Q.6 Increase no. of Platelets is also known as _____.
(a) Leukocytosis (b) Thrombocytosis
(c) Erythroctosis (d) None of these

Section-B

Note: Objective/Completion type questions. All questions are compulsory.

6x1=6

- Q.7 The Technique which is used for Hb. Estimation is known as (Haemocytometry / Hemoglobinometry).
- Q.8 RBCs helps in (Respiration/ Blood clotting)
- Q.9 Write the normal value of Platelets.
- Q.10 Define Automated cell counter.
- Q.11 Normal %age of Lymphocytes.
- Q.12 Expand DLC and TLC.

Section –C

Note: Short answer type Questions. Attempt any eight questions out of ten questions.

8x4= 32

- Q.13 Describe Degradation of Haemoglobin.
- Q.14 Write any four function of Haemoglobin.
- Q.15 Describe Neubauer counting chamber in brief.
- Q.16 Draw RBC and WBC Pipette and write their uses.
- Q.17 Define TLC and write their clinical significance.
- Q.18 Write the Disadvantages of automation.
- Q.19 Describe External Quality Control in brief.
- Q.20 Write the procedure of preparation of thin blood film.
- Q.21 Write any four errors involved in Haemocytometry.
- Q.22 Write the procedure of WBC count.

Section-D

Note: Long answer questions. Attempt any two questions out of three questions.

2x8=16

- Q.23 Describe Principle, procedure and clinical significance of Hb. Estimation by Sahli's method
- Q.24 Explain Platelets count with their clinical significance.
- Q.25 Explain Principle and procedure of Automated cell counter (Impedance Method).