No. of Printed Pages : 4 221924
Roll No. .....

2nd Sem / Branch : DMLT
Sub.: Applied Haematology

Time : 3Hrs. M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Decrease in platelet count below the normal range is called

a) Leukocytopenia b) Leukocytosis
c) Thrombocytopenia d) None of these

Q.2 In sickle cell anemia RBC are _____ shape.

a) Sickle b) Oval
c) Elliptical d) Round

Q.3 What is the normal size of Lymphocyte?

a) 10-12 micrometer b) 8-10 micrometer
c) 9-18 micrometer d) None of these

Q.4 In haemoglobin, globin in _____ part.

a) Iron b) Protein
c) Calcium d) All of these

Q.5 Lymphocytosis is observed in

a) Tuberculosis b) Leukemia
c) Whooping cough d) All of these

Q.6 In which conditions Hb count decreased?

a) High Altitude b) Tobacco uses
c) Anemia d) None of these

SECTION-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Write the name of different types of Hb.

Q.8 What is the life span of RBC.

Q.9 Write the normal value of DLC.

Q.10 Expand PBF.

Q.11 Give the normal % age of monocytes.

Q.12 What is quality assurance.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Differentiate between internal and external quality control.

Q.14 What are the various errors involved in Haemocytometery.

Q.15 Draw the diagram of Neubauer counting chamber.

Q.16 Give characteristics of good blood film.

Q.17 Explain the role of good lab technician.

Q.18 Write a short note on Anaemia.

Q.19 Discuss importance of eosinophil count.

Q.20 Explain the significance of RBC pipette in counting of RBC's.

Q.21 Draw and explain Fuchs-Rosenthal counting chamber.

Q.22 Give the procedure of Platelets count.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Explain about the various methods for Haemoglobin estimation.

Q.24 Write the procedure of WBC count with their calculation & clinical significance.

Q.25 Enlist various types of cell counters and Write principle of electrical impedance cell counter.