1st Sem. / DMLT

Subject : Clinical Hematology - I

Time : 3 Hrs.   M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any
15 parts.   (15x2=30)

Q.1 a) Expand TLC?

b) Expand PBF

c) What is a microscope?

d) Define Anemia?

e) Give the normal range of RBC's in blood?

f) Define Leucopoiesis?

g) Differentiate between venous & capillary blood?

h) What are anticoagulants?

i) What is serum?

j) What are the function of Plasma?

k) What is microscope?

l) Name any two blood cell counters?

m) Give the use of Tourniquet?

n) Name any two anticoagulants?

o) Define Erythropoiesis?

p) What is a neubauer chamber?

q) What is the use of Hb pippet?

r) Draw the structure of eosinophil?

SECTION-B

Note: Short answer type questions. Attempt any ten
parts   10x4=40

Q.2 i) Draw a well labelled diagram of a Hb pipette?

ii) Enlist the various functions of blood?

iii) Write the applications of centrifuge?

iv) Enlist the different glasswares used in laboratory?

v) Write down the characteristics of a good film?

vi) Write the procedure of blood collection?

vii) Describe the effect of ph on staining?

viii) Write a note on hemolytic anaemias?

ix) Write the procedure of good PBF?

x) Give the care & maintainance of centrifuge?

xi) What are Romanowsky stains?

xii) What are diluting fluids give examples?

xiii) Give the function of water bath?

xiv) Draw a well labelled diagram of centrifuge?

xv) Write a short note on glassware used in laboratory?

SECTION-C

Note: Long answer type questions. Attempt any three questions.   3x10=30

Q.3 Write the merits & demerits of various Anticoagulants?

Q.4 Explain the principle & procedure of blood cell counters?

Q.5 Write down about the various safety measures taken at the time of sampling & collection of blood samples.

Q.6 Write a short note on Erythropoiesis?

Q.7 Give the principle care & maintanance & Types of Centrifuge?