

No. of Printed Pages : 4

Roll No.

121924

2nd Sem. / DMLT

Subject : CL Haematology-II

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1
- a) Define Blood.
 - b) Normal range of Haemoglobin in Male & Female.
 - c) Define Haemocytometer.
 - d) Write any two function of Blood.
 - e) Normal range of RBC's in Male & Female.
 - f) Define carboxy Haemoglobin.
 - g) What are composition of WBC's diluting fluid?
 - h) Define Leukocytosis.
 - i) Define Monocyte.
 - j) Define Quality control.

(1)

121924

- k) Define Sensitivity.
- l) Define Automation in Haematology.
- m) Name any two Blood Cell counters.
- n) Expand DLC & TLC.
- o) Describe function of Platelets.
- p) Write any two causes of Leukopenia.
- q) Write any two function of RBC's pipette.
- r) Define Thalassaemia.

SECTION-B

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

- Q.2
- i) Write any four function of Blood.
 - ii) Draw & Explain RBC's pipette.
 - iii) Describe various types of Haemoglobin.
 - iv) Explain Pre analytical Quality Control.
 - v) Describe procedure of Thin Smear.
 - vi) Explain optical density detection in brief.
 - vii) Describe Neubauer counting chamber.

(2)

121924

- viii) Explain Procedure of WBC's counting.
- ix) Write any four errors involved in Haemocytometry.
- x) Describe degradation of Haemoglobin.
- xi) Describe Pathological & Physiological causes of Leukocytosis.
- xii) Describe DLC in brief.
- xiii) Describe Internal Quality Control.
- xiv) Describe Sahli's Haemoglobinmeter in brief.
- xv) Composition of RBC's diluting fluid with their uses.

- Q.6 Explain Principle, procedure and Advantages of Coulter cell counter.
- Q.7 Describe preparation & staining of PBF. And clinical significance of DLC.

SECTION-C

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

- Q.3 Describe Haemoglobin estimation by Sahli's Method in details.
- Q.4 Describe Principle procedure and clinical significance of WBC's counting.
- Q.5 Explain Quality Assurance in detail.

(3)

121924

(1480)

(4)

121924