No. of Printed Pages : 4

Roll No.....

181915

1st Year Annual Pattern (Re-app)

Branch : DMLT

Sub.: Clinical Haematology 1st

Time : 3 Hrs. **M.M. : 60**

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory. (6x1=6)

Q.1 Decrease number of WBCs is knows as _____.

a) Leukocytopenia b) Leuckocytosis

c) Erythrocytopenia d) None of these

Q.2 Haemocyto meter is used for _____?

a) Cell count b) Hb. Estimation

c) Pulse count d) None of these

Q.3 Which cell helps to fight against infection/Disease.

a) RBCs b) Platelets

c) WBCs d) None of these

Q.4 In Haemoglobin, Globin is _____ part.

a) Iron b) Protein

c) Calcium d) All of these

Q.5 Normal range of RBCs in Female.

a) 4.5to 5.5 million cells/ Cumm.

b) 8.5 to 9.5 million cells/Cumm.

c) 2.5 to 4.5 million cells/cumm

d) None of These

Q.6 Increases No. of RBC's is also knows as _____.

a) Leuckocytosis b) Thrombocytopenia

c) Erythrocytosis d) Thrombocytosis

Section-B

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

Q.7 Define Hemoglobinometery.

Q.8 Normal life span of RBCs (20 Days or 120 Days)

Q.9 Name any one condition in which WBC's count increases.

Q.10 Write the formula of standard deviation.

Q.11 Define Lymphocytes.

Q.12 Define Accuracy.

Section-C

Note: Short answer type Question. Attempt any Eight questions out of Ten Questions. (8x4=32)

Q.13 Explain types of Haemoglobin.

Q.14 Write any four function of Blood.

Q.15 Write the area and uses of Neubauer counting chamber.

Q.16 Write the difference between RBC and WBC Pipette.

Q.17 Explain Accuracy and Precision in Quality assurance.

Q.18 Write any four benefits of Automation.

Q.19 Describe External Quality Assurance in Brief.

Q.20 Write the composition of Leishman stain.

Q.21 Write the clinical significance of DLC.

Q.22 Write the procedure of RBC count.

Section-D

Note: Long answer questions. Attempt any Two question out of Three Question. (2x8=16)

Q.23 Explain cynmethaemoglobin method for Haemoglobin estimation.

Q.24 Explain WBC count with Principle procedure and clinical significance.

Q.25 Explain Principle, procedure of Automated cell counter with Diagram.