

No. of Printed Pages : 4
Roll No.

181915

1st Year / MLT

Subject:- Haematology

Time : 3Hrs.

M.M. : 60

SECTION-A

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

Q.1 Globin synthesis occurs in _____

- a) Bone marrow
- b) Cytoplasm
- c) WBC
- d) RBC

Q.2 The cell counted by haemocytometry technique are:

- a) RBC
- b) TLC
- c) Platelets
- d) All of these

Q.3 In Thermobocytopenia the level of Platelets:

- a) increases
- b) decreases
- c) both of these
- d) non of these

Q.4 Normal value of TLC in blood is _____

- a) 11000 / cumm
- b) 100000 / cumm
- c) 1000 / cumm
- d) none of these

Q.5 Automatic cell counter counts -

- a) WBC
- b) RBC
- c) Platelets
- d) All of these

Q.6 In case of WBC counting the ratio of blood : diluting fluid is:

- a) 1 : 200
- b) 2 : 200
- c) 2 : 100
- d) 1 : 100

SECTION-B

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

Q.7 Write the normal value of RBC in human male adult.

Q.8 Expand PBF.

(1)

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(2)

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Q.9 Define polycythaemia.

Q.10 Which pipette is used for WBC counting?

Q.11 Define anaemia.

Q.12 Examples of Romanowsky stains are _____ &

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

Q.13 Mention the composition of Leishman stain.

Q.14 Explain in brief different types of haemoglobin.

Q.15 Write the clinic significance of WBC counting.

Q.16 Write the calculation formula of RBC counting.

Q.17 Write the preparation of Giemsa stain.

Q.18 Write any four characteristics of good blood film.

Q.19 Explain automated blood cell counter in detail.

Q.20 Write a short note on internal quality control.

Q.21 Write any four advantages of automation.

Q.22 Write errors associated with automated cellcounters.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. $(2 \times 8 = 16)$

Q.23 Explain Sahil's method for estimation of Hb.

Q.24 Explain the method of WBC counting.

Q.25 Describe normal and abnormal morphology of RBC's in detail.