

SECTION-D

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

Q.23 Describe the methods of RBC counting with clinical significance & its reference value in male & female.

Q.24 Explain any one method of estimation of Haemoglobin.

Q.25 Explain Blood cell counter in detail.

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Roll No.

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1st year. / MLT

Subject : Haematology

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory $(6 \times 1 = 6)$

Q.1 Haemoglobin is _____ a pigment of the blood present in RBC.

- a) Red
- b) Pink
- c) Blue
- d) Black

Q.2 RBC pipette is _____ than WBC pipette,

- a) Smaller
- b) Greater
- c) Wider
- d) Narrower

Q.3 Platelets are also known as _____

- a) Leukocyte
- b) Thrombocyte
- c) Monocyte
- d) None of these

Q.4 Haematology deals with

- a) Bacteria
- b) Virus
- c) Blood
- d) Fungus

Q.5 Haemoglobin consist of two components.

- a) Haem + Globin
- b) Haem + Iron
- c) Haem + O₂
- d) Iron + CO₂

Q.6 QA stands for

- a) Quality Accordance
- b) Quality Assurance
- c) Queue Assurance
- d) Quality Assay

SECTION-B

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

Q.7 The technique of counting of blood cell is known as _____.

Q.8 Give the normal rang of WBC in Adults.

Q.9 Give the name of enzyme secreted by basophiles.

Q.10 The Globin molecule consists of chains _____.

Q.11 Which pipette is used for platelet counting?

Q.12 Normal value of Hb in male is _____

SECTION-C

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

Q.13 Discuss different types of Haemaglobin.

Q.14 Explain sources of error arise during RBC.

Q.15 Write a short note on Haemoglobin.

Q.16 Mention the composition of Leishman stain.

Q.17 Explain Fuchs Rosenthal counting Chamber.

Q.18 Mention the clinical significance of Platelets.

Q.19 Give the staining procedure of Leishman stain.

Q.20 Give the causes of leukocytosis.

Q.21 Explain the principle of coulter counter for cell counting.

Q.22 Write down composition of Drabkin's regent.