

- Q.23 Write the working and uses of water bath.
- Q.24 Enlist the various function of blood.
- Q.25 Write a note on Leucopoiesis.
- Q.26 Define anticoagulants. name natural anticoagulant present in our blood.
- Q.27 Write the procedure of blood collection.
- Q.28 Describe composition and function of RBC diluting fluid.
- Q.29 Give the procedure of staining by Leishman stain.
- Q.30 Write demerits of anticoagulants.
- Q.31 Give the procedure of cleaning of glassware's.
- Q.32 Explain how blood is preserved in hematology lab.
- Q.33 Write the safety precautions uses in hematology lab.
- Q.34 How does maturation of erythrocytes take place.
- Q.35 Enlist any five safety measures during blood collection.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain the principle and working of centrifuge.
- Q.37 Explain the process of thrombopoiesis.
- Q.38 Explain the morphology of normal and abnormal red blood cell.

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MLT
Subject:- Haematology - I

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Haematology means study of _____
a) Blood b) Tissue
c) Organ d) Cell
- Q.2 A suction device used to draw up liquids is a :
a) volumetric flask
b) graduated cylinder
c) safety bulb
d) Beaker
- Q.3 The boiling point of water is _____
a) 900°C b) 120°C
c) 100°C d) 110°C
- Q.4 The most abundant blood cell in the body is
a) RBC b) WBC
c) Neutrophil d) Basophil

- Q.5 Reticulocyte do not have
a) Cytoplasm b) Granules
c) Nucleous d) All of these
- Q.6 Blood is a _____
a) Connective Tissue b) Organ Tissue
c) Complete Tissue d) Connection tissue
- Q.7 Volume of blood is a Healthy adult person is about _____
a) 6 liter b) 4 liter
c) 5 liter d) 7 liter
- Q.8 Nucleus of neutrophils are connected by _____
a) Chromatin thread b) Chromic thread
c) Common thread d) None of these
- Q.9 pH of blood is _____
a) 7.4 b) 5.4
c) 3.4 d) 4.3
- Q.10 The fixative present in Lieshman stain is
a) Buffered formalin
b) 10% formalin
c) Ethyl alcohol
d) Acetone free methanol

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Pasteur pipettes are also known as _____
- Q.12 RNA stands for _____
- Q.13 Stem cell factor is mainly produced by _____
- Q.14 Site for formation and development of granulocyte is _____
- Q.15 Basophil secretes a chemical substance known as _____
- Q.16 Which blood cells provide immunity to the body.
- Q.17 Normal value of platelets present in healthy person _____
- Q.18 EDTA stands for _____
- Q.19 Give the name of the iron containing protein that gives red blood vessels their color.
- Q.20 Storage period of CPD is _____

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Describe two plastic wares used in hematology lab with their application.
- Q.22 Write a note on working of a WBC Pipette.