

- Q.29 Write the merits and demerits of EDTA.
- Q.30 Write the various equipments used for blood collection.
- Q.31 Write a short note on Blood mixer.
- Q.32 Write the procedure of venous blood collection.
- Q.33 Write the procedure of serum separation.
- Q.34 Describe preparation of Romanowsky stain.
- Q.35 Write the care and maintenance of water bath.

#### **SECTION-D**

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

- Q.36 Describe requirements, collection and preservation of capillary blood sample.
- Q.37 Draw and explain principle, procedure of Blood cell counter.
- Q.38 Explain various stages of Leucopoiesis in details.

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121915/31915

**1st Sem / Branch : MLT**  
**Subject:- Clinical Haematology-I**

Time : 3Hrs.

M.M. : 100

#### **SECTION-A**

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

- Q.1 What is the normal life span of RBC's?
- a) 120 Days      b) 220 Days  
c) 320 Days      d) 80 Days
- Q.2 Study of blood and its components is known as.....?
- a) Histology      b) Biology  
c) Haematology      d) None of these
- Q.3 Formation of Platelets is known as.....
- a) Leucopoeisis      b) Thrombopoeisis  
c) Erthyropoeisis      d) None of these
- Q.4 Which one is used for sedimentation or separation of blood components?
- a) Microscope      b) Waterbath  
c) Centrifuge machine d) None of these
- Q.5 Normal range of platelets.
- a) 1.50 Lakh-4.50Lakh cells/cumm

- b) 6.50 Lakh-8.50 Lakh cells/cumm
- c) 4.50 Lakh-6.50 Lakh cells/cum
- d) None of these

Q.6 Increase No. of Leukocyte is also known as \_\_\_\_\_

- a) Leukocytosis      b) Thrombocytosis
  - c) Erythrocytosis      d) None of these
- Q.7 Which anticoagulant is mostly used for CBC?
- a) Heparine      b) EDTA
  - c) ACD      d) Double Oxylate

Q.8 Which one is a premature RBC?

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

Q.9 Which Cell helps in Blood clotting?

- a) RBC      b) WBC
- c) Platelets      d) None of these

Q.10 Methanol is used as a \_\_\_\_\_ in Leishman stain?

- a) Preservative      b) Fixative
- c) Both A & B      d) None of These

### SECTION-B

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

Q.11 Define Haematology.

Q.12 Define Erythropoiesis.

Q.13 Blood is a.....tissue.

Q.14 Expand ACD & write its use.

Q.15 Write the use of Blood cell counter.

Q.16 Name two methods used for blood collection.

Q.17 Write the use of RBC diluting fluids.

Q.18 Which cells fight against diseases.

Q.19 Which pipette contains a White glass bead into a bulb.

Q.20 What is the Normal % age of Monocyte.

### SECTION-C

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

Q.21 Draw and Explain RBC pipette & WBC pipette.

Q.22 Describe Thrombopoiesis in brief.

Q.23 Define Blood & write its compositions.

Q.24 Define the advantages and disadvantages of automation.

Q.25 Explain any two anticoagulants with uses and mode of Action.

Q.26 Write the safety precautions during Capillary blood collection.

Q.27 Write the uses and composition of RBC diluting fluids.

Q.28 Write the procedure of thin blood smear.