

**ID: 181942/121942/031942**

**Branch: DMLT**

**Time Allowed : 3 Hrs.**

**MM:100**

**Note: Multiple Choice questions. All questions are compulsory.**

**10x1=10**

- Q.1 The process in which bleeding stops from an injured blood vessels is known as \_\_\_\_\_.  
a) Haemostasis  
b) Haematology  
c) Leukocytosis  
d) None of these
- Q.2 Which haemophilia occurs due to the deficiency of factor VIII : AG?  
a) Haemophilia-B  
b) Haemophilia-A  
c) Haemophilia-C  
d) None of these
- Q.3 Which method is used to determine the Bleeding Time?  
a) Lee-White Method  
b) Duke's Method  
c) Both A & B  
d) None of these
- Q.4 Which one is soft blood forming Tissue?  
a) Blood  
b) Bone Marrow  
c) Both A & B  
d) None of these
- Q.5 Which needles are used for Bone Marrow aspiration?  
a) Salah's needle  
b) Klima's needle  
c) Islam needle  
d) All of these
- Q.6 When was LE-cell first described in the bone marrow?  
a) 1948  
b) 1848  
c) 1968  
d) 1868
- Q.7 What is the normal %age of spermatozoa in Seminal fluids?  
a) 4-10%  
b) 50-60%  
c) 20-45%  
d) None of these
- Q.8 Pleural fluid is generally obtained from:  
a) Lumber puncture  
b) Brain  
c) GIT  
d) Lungs
- Q.9 Which body fluid obtained from joints?  
a) CSF  
b) Synovial fluids  
c) Semen  
d) None of these
- Q.10 What is the normal clotting time?  
a) 30-45 Minutes  
b) 5-10 Minutes  
c) 10-13 second  
d) 0-5 seconds

**Note: Objective type questions. All questions are compulsory.**

**10x1=10**

- Q.11 Expand ADP.
- Q.12 Expand AML & CML.
- Q.13 Define Marrow.
- Q.14 Write the Normal range of Clotting times.
- Q.15 Define Leukemia.
- Q.16 Define Thrombocytopenia?
- Q.17 What is the normal Semen Liquefaction Time?
- Q.18 What is Ascites?
- Q.19 Expand CSF & AFB.
- Q.20 Normal PROTHROMBIN TIME is

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

$$12 \times 5 = 60$$

- Q.21 Write a short note on Haemostasis.  
Q.22 Explain haemophilia A and haemophilia B in short.

- Q.23 Write a short note on role of platelets in Haemostasis.
- Q.24 Write the procedure for Prothrombin Time.
- Q.25 Write the function of Bone Marrow.
- Q.26 Write a short note on Iron staining.
- Q.27 Explain FAB Classification in Brief?
- Q.28 Explain Lab Diagnosis of AML.
- Q.29 Differentiate between Tart cell & LE Cell.
- Q.30 Write the clinical importance of demonstration of LE cell.
- Q.31 Write the Physical characteristics of semen sample.
- Q.32 Explain Microscopic examination of CSF.
- Q.33 Write the properties and composition of Synovial Fluid.
- Q.34 Write a short note on Pleural Fluid analysis.
- Q.35 Write the procedure of Hess Test?

#### **Section-D**

**Note: Long answer questions. Attempt any two questions out of three questions.**

**2x10=20**

- Q.36 Explain Principle, Procedure and clinical significance of Clotting Time by Lee-White method.
- Q.37 Explain Bone marrow aspiration in detail.
- Q.38 Explain collection, Examination and clinical significance of Semen analysis.