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**4th Sem / Branch : DMLT**  
**Sub.: Haematology-IV/Clinical Haema-IV**

Time : 3Hrs.

M.M. : 100

**SECTION-A**

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

**Q.1** Which blood cells are essential for blood clotting.

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

**Q.2** Coagulation tests are done for \_\_\_\_\_

- a) Cell formation
- b) Coagulation studies
- c) To stop coagulation
- d) None of these

**Q.3** Duke's Method is used to determine the \_\_\_\_\_ Time?

- a) Clotting
- b) Bleeding
- c) Both A & B
- d) None of these

**Q.4** After birth, Blood cells are produced in

- a) Kidney
- b) Bone Marrow
- c) Spleen
- d) Liver

**Q.5** Which needles are used for Bone Marrow aspiration?

- a) Salah's Needle
- b) Klima needle
- c) Islam needle
- d) All of these

**Q.6** Normal value of clotting time is \_\_\_\_\_ minutes.

- a) 8-12
- b) 12-15
- c) 5-10
- d) 1-5

**Q.7** Intrinsic clotting pathway is initiated by

- a) Platelets
- b) Hageman factor
- c) Tissue thromboplastin
- d) Fibrinogen

**Q.8** CSF is generally obtained from:

- a) Lumber puncture
- b) Brain
- c) GIT
- d) Lungs

**Q.9** Which body fluid obtained from Pleural cavity?

- a) CSF
- b) Synovial fluids
- c) Pleural fluid
- d) None of these

**Q.10** What is the normal thrombin time?

- a) 30-45 Minutes
- b) 5-10 minutes
- c) 14-19 second
- d) 0-5 second

## **SECTION-B**

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

Q.11 Expand APTT.

Q.12 CML stands for \_\_\_\_\_

Q.13 What is bone marrow?

Q.14 Write the Normal range of Clotting times.

Q.15 Give two symptoms of Leukemia.

Q.16 Define Thrombocytosis?

Q.17 What is the normal pH of Semen?

Q.18 What is pleural fluid?

Q.19 Expand CSF & AFB.

Q.20 Define clot?

Q.26 Give the physical characteristics of pericardial fluid?

Q.27 Explain about FBA Classification?

Q.28 Give the Lab diagnosis of Acute Myeloid Leukaemia.

Q.29 Write about Tart cells.

Q.30 Write the clinical significance of LE cell.

Q.31 Write the Procedure and guidelines of semen sample collection.

Q.32 Explain Microscopic examination of CSF.

Q.33 Write the properties and composition of Synovial Fluid?

Q.34 How we can do Pleural Fluid analysis?

Q.35 Write the procedure of Duke Method?

## **SECTION-C**

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

Q.21 Draw the structure of spermatozoa.

Q.22 Give the role of vitamin K in haemostasis.

Q.23 Write the composition of synovial fluid.

Q.24 Write the procedure for Prothrombin Time.

Q.25 Write the composition of Bone Marrow.

## **SECTION-D**

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

Q.36 Explain about the Procedure of staining and examination of Bone marrow aspiration.

Q.37 Describe the Procedure of LE cell staining and its examination.

Q.38 Give the principal procedure and normal value of clotting time?