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**4th Sem / DMLT**  
**Subject:- Haematology- IV/ Clinical Haema - IV**

Time : 3Hrs. M.M. : 100

**SECTION-A**

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

**Q.1** What is the normal Bleeding time?

- a) 30-45 Minutes
- b) 1-7 minutes
- c) 10-13 second
- d) 0-5 seconds

**Q.2** Factor II is also known as

- a) Prothrombin
- b) Calcium
- c) Tissue thromboplastin
- d) Fibrinogen

**Q.3** Bone marrow acts as \_\_\_\_\_ tissue

- a) Epithelial tissue
- b) Connective tissue
- c) Muscular tissue
- d) Nervous tissue

**Q.4** Which staining is used to examine the presence of iron content in bone marrow smear?

- a) Epithelial tissue
- b) Connective tissue
- c) Muscular tissue
- d) Nervous tissue

**Q.5** Extrinsic clotting pathway is initiated by

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

**Q.6** Normal Liquefaction time of semen is \_\_\_\_\_

- a) 30-45 Minutes
- b) 15-20 minutes
- c) 10-13 second
- d) 0-5 seconds

**Q.7** Platelets production is known by

- a) Thrombocytopenia
- b) Myelocytosis
- c) Thrombocytosis
- d) Myelocytopenia

**Q.8** Pleural fluid is generally obtained from:

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

**Q.9** XIII is activated by \_\_\_\_\_ into XIIIa.

- a) Naturally activation
- b) Thrombin
- c) Tissue thromboplastin
- d) None of these

**Q.10** Hemophilia A is due to deficiency of

- a) Factor VIII
- b) Factor VII
- c) Factor IX
- d) Factor III

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## **SECTION-B**

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

Q.11 What is spermatozoa.

Q.12 DIC stands for \_\_\_\_\_

Q.13 What is Liquefaction time?

Q.14 Expand BT.

Q.15 What is a LE Cell?

Q.16 Synovial fluid is obtained from \_\_\_\_\_ ?

Q.17 What is CSF?

Q.18 Name two types of Bone marrow?

Q.19 Expand INR & APTT.

Q.20 HESS test is for \_\_\_\_\_

## **SECTION-C**

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

Q.21 Write the various stages of Hemostasis.

Q.22 Explain the clinical importance of bleeding time.

Q.23 Write the clinical importance of prothrombin time index?

Q.24 Give the principle and procedure for bleeding time?

Q.25 Write the various symptoms of Acute Leukemia's?

Q.26 Write about the demonstration of Tart cell in brief.

Q.27 Give the microscopic examination of synovial fluid.

Q.28 Write the Pearl's Prussian method for Iron staining.

Q.29 What are the normal findings of pleural fluid.

Q.30 Explain Ivy method in brief.

Q.31 Give the Lab diagnosis of Chronic Myeloid Leukaemia.

Q.32 Write a short note on Semen analysis?

Q.33 Briefly discuss theory of blood coagulations.

Q.34 Write about the abnormal morphology of Sperm.

Q.35 Write the collection procedure of CSF.

## **SECTION-D**

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

Q.36 Write about the principle and procedure of clotting time by Lee-white method.

Q.37 Describe a method of LE Cell preparation. How will you examine and report.

Q.38 Explain Leukemia's and write a note on FAB classification