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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** What is Bone marrow?

- a) Soft, spongy tissue
- b) Cell
- c) Sensory organ in brain
- d) None of these

**Q.3** Which method is used to determine the Clotting Time?

- a) Lee-White Method
- b) Duke's Method
- c) Both A& B
- d) None of these

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

- a) Perl's Staining
- b) AFB Staining
- c) Both A and B
- d) None of these

**Q.5** When blood vessels is damaged, bleeding stops by a process called:

- a) Coagulation
- b) Hemostasis
- c) Bleeding time
- d) Clotting time

**Q.6** What is the normal Liquefaction time of semen?

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

**Q.7** In which year FAB classification of ALL was introduced?

- a) 1946
- b) 1988
- c) 1976
- d) 1968

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

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

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

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

**Q.10** What is the normal clot retraction time ?

- a) 1 hour
- b) 24 hour
- c) 48 hour
- d) 72 hour

## **SECTION-B**

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

- Q.11 What is Acute Leukaemia.
- Q.12 Expand FAB classification.
- Q.13 What is Liquefaction time?
- Q.14 Expand CT & BT.
- Q.15 What is Tart Cell?
- Q.16 Synovial fluid is obtained from \_\_\_\_\_?
- Q.17 What is CSF?
- Q.18 Name two types of Bone marrow?
- Q.19 Expand ALL & CLL?
- Q.20 Normal THROMBIN TIME is\_\_\_\_\_

## **SECTION-C**

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

- Q.21 Define Hemostasis and write their various stages.
- Q.22 Clinical importance of Bleeding time.
- Q.23 Write the clinical significance of Bone marrow?
- Q.24 Principle and procedure for Thrombin Time.
- Q.25 Write the various symptoms of Leukemia's?
- Q.26 Explain demonstration of LE cell in brief.
- Q.27 Explain Microscopic examination of synovial fluid.

Q.28 Pearl's Prussian Blue for Iron staining.

Q.29 Normal findings of Pleural Fluid.

Q.30 Explain Hess test in brief.

Q.31 Explain Lab diagnosis of CML

Q.32 Write a short note on Semen analysis?

Q.33 Explain Prothrombin Time Index.

Q.34 Draw the abnormal morphology of Sperm.

Q.35 Explain cell count of CSF.

## **SECTION-D**

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

- Q.36 Explain Principle, Procedure and clinical significance of Bleeding Time by Duke's method.
- Q.37 Explain demonstration of LE Cell with principle, procedure & Clinical significance.
- Q.38 Explain Leukemia's in detail.