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**1<sup>st</sup> Sem / DMLT , DMLT ( For Speech and  
Hearing Impaired)  
Subject : Introduction to Haematology**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which is natural anticoagulant?  
a) EDTA                      b) Sodium citrate  
c) Heparin                      d) None of these
- Q.2 Formation of erythrocyte is known as?  
a) Thrombopoiesis      b) Erythropoiesis  
c) Leukopoiesis      d) None of these
- Q.3 Which anticoagulants used in Blood Banking?  
a) CPD                      b) ACD  
c) Both A&B                      d) None of these
- Q.4 Which one is the suitable site for venous puncture?  
a) Median Cubital Vein      b) Finger Tip  
c) Both A&B                      d) None of these

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- Q.5 Which one of the following is not a Romanowsky stain.  
a) Leishman                      b) Giemsa  
c) Wright                      d) Supravital
- Q.6 RBC diluting fluid?  
a) Hayem's diluting fluid  
b) Crower's diluting fluid  
c) Both  
d) None

**SECTION-B**

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Formation of WBC inside the human body is known as\_\_\_\_\_.
- Q.8 Define Anticoagulant.
- Q.9 Needle size of\_\_\_\_\_for adults and \_\_\_\_\_for children is used for blood collection.
- Q.10 The recommended location for blood collection to for a new born baby is\_\_\_\_\_.
- Q.11 Define Haematology.
- Q.12 Blood is a \_\_\_\_\_tissue.

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### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Describe procedure capillary puncture site.
- Q.14 Describe Vacutainer system in brief.
- Q.15 Write the materials&Equipments required for vein puncture.
- Q.16 Write the procedure of preparation of thin blood film.
- Q.17 Describe Giemsa stain in brief
- Q.18 Describe EDTA with merits and demerits.
- Q.19 Write a short note on composition of blood.
- Q.20 Difference between RBC & WBC Pipette.
- Q.21 Describe qualities of a good blood film.
- Q.22Discuss about Hb pipette

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### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Describe development stages of Erythropoeisis in detail.
- Q.24 Explain Requirement, Preparation and procedure for vein blood collection.
- Q.25 What are Romanowsky stains. Discuss Leishman stain in detail.

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