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**1st Sem. Branch: DMLT**  
**Sub : Introduction to Haematology**

Time : 3 Hrs. M.M. : 60

**SECTION-A**

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

Q.1 Formation of Platelets is known as \_\_\_\_\_?

- a) Thrombopoiesis
- b) Leukopoiesis
- c) Erythropoiesis
- d) None of these

Q.2 What is the normal pH of Blood?

- a) 5.7
- b) 7.4
- c) 6.0
- d) None of these

Q.3 Which anticoagulant is mostly used for CBC?

- a) EDTA
- b) Sodium citrate
- c) Heparin
- d) None of these

- Q.4 Which one is used during venous Blood collection?  
a) Tourniquet      b) Beaker  
c) Pipettes      d) None of these
- Q.5 Which anticoagulants used in Blood Banking?  
a) CPD      b) ACD  
c) Both A & B      d) None of these
- Q.6 Which one is the suitable site for capillary puncture?  
a) Median Cubital Vein      b) Finger Tip  
c) Both A & B      d) None of these

**SECTION-B**

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

Q.7 Formation of Erythrocytes inside human body is known as \_\_\_\_\_.

Q.8 Define Anticoagulant.

Q.9 What is the normal life span of RBC?

Q.10 Which natural anticoagulant is found inside human body?

Q.11 Define Leukoopoiesis.

Q.12 Define Blood Smear.

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## **SECTION-C**

**Note:** Short answer type questions. Attempt any eight questions out of ten questions.  $(8 \times 4 = 32)$

- Q.13 Write the various function of blood.
- Q.14 Draw and write the uses of Hb., RBC and WBC Pipette.
- Q.15 Define Plasma and write there compositions.
- Q.16 Describe Non-Calcium chelators anticoagulants.
- Q.17 Describe selection and preparing the vein puncture site.
- Q.18 Write the materials & Equipments required for capillary puncture.
- Q.19 Describe Vacutainer system in brief.
- Q.20 Write the procedure of preparation of Thick blood film.
- Q.21 Describe Romanowsky stain in brief.
- Q.22 Describe Thrombopoiesis in brief.

## **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions.  $(2 \times 8 = 16)$

- Q.23 Describe Development stages of Erythrocyte in detail.
- Q.24 Explain various anticoagulant vials/tubes with their color code and uses.
- Q.25 Explain Requirement, Preparation and procedure for capillary blood collection.