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221916

**1st Year / 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 The study of blood and its components is called

- a) Haematology      b) Microbiology
- c) Histology          d) None of these

Q.2 For coagulation studies, the ratio of blood to anticoagulant is

- a) 9:1                b) 7:1
- c) 8:1                d) None

Q.3 Which one is a natural anticoagulant and found inside human body.

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

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Q.4 Which one is used during Venous Blood collection?

- a) Tourniquet        b) Beaker
- c) Pipettes           d) None of these

Q.5 Which one is used to puncture the skin to collect capillary Blood?

- a) Needles           b) Lancet
- c) Both A & B        d) None of these

Q.6 Which one acts as a Fixative in staining solution?

- a) Azure              b) H & E
- c) Eosin              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 Expand EDTA & ACD.

Q.9 Define the term vacutainer?

Q.10 Which anticoagulant is mostly used for CBC?

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Q.11 Define Thrombopoiesis.

Q.12 What is capillary blood.

### **SECTION-C**

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

Q.13 Write the various function of blood.

Q.14 Write the uses of RBC and WBC Pipette.

Q.15 Define Plasma and write three compositions.

Q.16 Describe Non-calcium chelators anticoagulants.

Q.17 Describe selection and preparation of 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. (2x8=16)

Q.23 Describe preservation and disposal of processed blood samples.

Q.24 Explain Requirement Principle and procedure for venous blood.

Q.25 Explain various anticoagulant vials/tubes with their color code and uses.