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**1st Sem. / DMLT, DMLT  
(For speech and Hearing Impaired)**  
**Subject : Fundamentals of MLT**

Time : 3 Hrs. M.M. : 60

**SECTION-A**

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

Q.1 For urine collection \_\_\_\_\_ is used

- a) Flask
- b) Beaker
- c) Bucket
- d) Wide mouth bottle

Q.2 Any analyzer is used for

- a) Histology tests
- b) Molecular tests
- c) Blood Biochemistry tests
- d) Culture tests

Q.3 Which is not an anticoagulant

- a) CPTD
- b) Heparin
- c) Double oxalate
- d) EDTA

- Q.4 Normal pH of blood is
- a) 8.2
  - b) 9.5
  - c) 7.4
  - d) 6.5
- Q.5 HEPA filters are present in
- a) Autoclave
  - b) Laminar Air flow
  - c) Microscope
  - d) None of above
- Q.6 Microtome is used to study
- a) Tissue Sections
  - b) Organs
  - c) Blood
  - d) Urine

**SECTION-B**

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

Q.7 Name any few components of first aid.

Q.8 What is the use of syringe?

Q.9 Write the components of blood.

Q.10 What is a colorimeter?

Q.11 Name any two anticoagulants.

Q.12 Syringes are made up of \_\_\_\_\_

(1)

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(2)

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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 uses of water distillation unit.

Q.14 Write a brief note on the different types of Hazards in laboratory.

Q.15 Enlist the essential requirement for blood collection.

Q.16 Write down the types of centrifuge machine.

Q.17 What are the applications of hot air oven?

Q.18 Write down the principle of compound microscope.

Q.19 Write a note on tissue processing unit.

Q.20 Elaborate the basic code of ethics applicable on a laboratory personal.

Q.21 Write a note on pH meter.

Q.22 Define colour coding for biomedical waste management.

## **SECTION-D**

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

Q.23 Explain the different types of syringes used for blood collection.

Q.24 Write about principle of Hematology cell counter with its applications.

Q.25 Write about the different types of electron microscope.