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221915

**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 Stool is collected in\_\_\_\_\_

- a) Paper                      b) Beaker  
c) Disposable container      d) Syringe

Q.2 Laminar air flow is used for

- a) Histology tests  
b) Molecular tests  
c) Blood biochemistry test  
d) Culture tests

Q.3 Common laboratory solvent used to make reagents

- a) Alcohol                      b) Distilled water  
c) Double oxalate              d) Ether

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Q.4 Normal pH of urine is

- a) 8                                  b) 9  
c) 10                                d) 6

Q.5 Instrument used to sterilize the lab equipments and accessories

- 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 Expand HEPA?

Q.8 What is the use of a centrifuge machine.

Q.9 Define CSF?

Q.10 What is a Spectrophotometer?

Q.11 What are anticoagulants?

Q.12 What are biological filters?

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### SECTION-C

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

- Q.13 Write a short note on composition of blood.
- Q.14 Why labelling is important before sample collection?
- Q.15 Enlist the essential requirement for blood collection.
- Q.16 Write down the working principle of a centrifuge machine.
- Q.17 What are the applications of the BOD incubator.
- Q.18 Write down the principle of Dark field microscopy.
- Q.19 Write a note on the tissue processing unit.
- Q.20 What are personal safety guidelines in laboratory.
- Q.21 Write a note on the pH meter.
- Q.22 What do you mean by biomedical waste management?

### SECTION-D

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

- Q.23 Explain what is the difference between a simple instrument and a specialized instrument with examples.

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

Q.25 Write a brief note on the different types of Hazards in the laboratory?