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Roll No.....

221915

**Sem. 1 NEP
MLT
Sub : Fundamentals of MLT**

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory. (6x1=6)

Q.1 For blood collection _____ is used.

- a) Flask
- b) Beaker
- c) Bucket
- d) Syringe

Q.2 Hematology analyzer is used for

- a) Histology tests
- b) Routine Blood tests
- c) Blood biochemistry tests
- d) Culture tests

Q.3 Common anticoagulant used in blood banks is

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

Q.4 Normal pH of Urine is

- a) 7.5-8.2
- b) 09 - 9.5
- c) 6 - 7.5
- d) 5 - 6.5

Q.5 HEPA filters are present in

- a) Autoclave
- b) Laminar Air Flow
- c) Microscope
- d) None of above

Q.6 Microscope is used to see

- a) Stars
- b) Micro organisms
- c) Animals
- d) None of above

Section-B

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

Q.7 What is First Aid?

Q.8 What is a Tourniquet?

Q.9 Why lab coat is important in lab?

Q.10 Name any two common lab instruments.

Q.11 Slides are made up of _____.

Q.12 _____ are the chemical that stops blood clotting.

Section-C

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

- Q.13 Discuss about laboratory safety precautions in detail.
- Q.14 Give the uses of Distillation plant.
- Q.15 What do you mean by biomedical waste? Why its management is so important?
- Q.16 Write the procedure of the blood collection with its requirements.
- Q.17 Differentiate between simple and compound microscope.
- Q.18 Write about the care and maintenance of microtome.
- Q.19 Give the types of syringes used for blood collection.
- Q.20 Write a note on centrifuge machine and its applications.
- Q.21 Write the applications of BOD incubator.
- Q.22 How will you operate a membrane filter for the microbiological examination of water?

Section-D

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

- Q.23 Draw a well labeled diagram of microscope and explain its parts?
- Q.24 Write about principle of biochemistry analyzer with its applications.
- Q.25 Explain about physical and chemical balances.