## BACHELOR OF VOCATION

Medical Laboratory Technology

Subject: Fundamental of Medical Laboratory Instruments

& Reagents

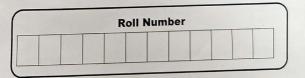
Subject Code: MLT502 Semester: First December 2021

Theory (External): 35 Marks

Time: 03 Hours

## Instructions to the Students

- This Question paper consists of two Sections. All sections are compulsory.
- Section A comprises 10 questions of objective type in nature. All
  questions are compulsory. Each question carries 1 mark.
- 3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 5 marks.
- 4. Read the questions carefully and write the answers in the answer sheets provided.
- 5. Do not write anything on the question paper.
- 6. Wherever necessary, the diagram drawn should be neat and properly labelled



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## SECTION -A (SHORT/OBJECTIVE TYPE QUESTIONS) (10x1=10 Marks)

- A Difference between therapeutic test and diagnostic test
- Medical workers who are trained to draw blood from a patient:
  - a) MRI Technician
- b) Phlebotomist
- c) Pathologist
- d) Medical Lab Technician
- C A biopsy is:
  - a) Removal of Finger
- b) Removal of Organ
- c) Excision of tissue sample
- d) Post-mortem examination
- D How should a needle be placed for Veni puncture?
  - a) Bevel down
- b) Bevel up
- c) Needle down
- d) Needle up
- E Internal and External Quality control
- F Thermometre
- G Which specimen is most commonly used to diagnose infection?
  - a) Blood
- b) Hair
- c) Stool
- d) Urine
- H Define Biomedical waste.
- I What is Ethics?
- J Who is a Medical Lab Technologist?

## SECTION –B (ESSAY TYPE QUESTIONS) $(5 \times 5 = 25 \text{ Marks})$

- Q1 Write a note on biomedical waste generation, segregation and color coding under Biomedical Waste Management
- Q2 What are Lab ethics? Explain the code of conduct in a Medical Laboratory.
- Q3 Enumerate the role of a Medical Laboratory Technician in healthcare delivery
- Q4 Explain the various errors that may arise in improper communication between the physician and lab technician
- Q5 Explain the various safety measures commonly used in a Medical Laboratory.
- Q6 What is Autoclaving? Write a note on types and methods of Autoclaving.
- Q7 Explain in detail about the quality control measures used in Medical Laboratories
- Q8 Write a note on organization of instruments and reagents in a Medical laboratory.

\*\*\*\*\*END OF PAPER\*\*\*\*

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