

**BACHELOR OF VOCATION**  
**Medical Laboratory Technology**  
**Subject: Laboratory Quality Control & Standard**  
**Precautions**  
**Subject Code: MLT-G103**  
**Semester: First**  
**January 2021**  
**Theory (External): 35 Marks**  
**Time: 03 Hours**

---

**Instructions to the Students**

1. This Question paper consists of two Sections. All sections are compulsory.
2. 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

**Roll Number**

--	--	--	--	--	--	--	--	--	--	--	--

**SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)**  
**(10x1=10 Marks)**

- A. Explain what do you mean by laboratory audit?
- B. During these tough times of Covid-19 pandemic, what are the steps for hand washing?
- C. Briefly explain what is biomedical waste?
- D. Why is it important to have laboratory quality control?
- E. Explain in plain words the process of disinfection?
- F. Explain the standard precautions in infection control?
- G. What is PPE?
- H. What is calibration of instruments?
- I. What is the main ingredient used to clean a blood spill?
- J. What do you mean by precision?

**SECTION -B (ESSAY TYPE QUESTIONS)**  
**(5x5=25 Marks)**

1. What is Standard Deviation? What is the equation for Standard Deviation? What is the purpose of each of the values in the equation?
2. What is QMS? What is the goal of QMS?
3. What factors are to be considered for validation of cleaning in a laboratory?
4. What is the difference between Quality Assurance and Quality Control?
5. What are the effective Waste Management services during Covid-19 Pandemic? What steps can be taken for waste workers?
6. How can the Quality Control system for Waste segregation be improved?
7. What is the most important misconception concerning the use of barrier protection? What aspects should healthcare clinicians be aware of when choosing the correct level of protection?
8. What do you mean by Reference Interval? What are the factors affecting RI?

**END OF PAPER**