

2112H008

**BACHELOR OF VOCATION**  
**Medical Laboratory Technology (MLT)**  
**Subject: Toxicology & Genetics**  
**Subject Code: LSH-704**  
**Semester: Fifth**  
**December 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**

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Page 1 of 3

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

- A. What is toxicity?
- B. Who is "Father of Nerve Agents"?
- C. What is venom?
- D. Define in vitro test?
- E. What is organ toxicant?
- F. What do you know about Paracelsus?
- G. Define toxico vigilance?
- H. What is delayed toxicity?
- I. What is cumulative toxicity?
- J. What is Industrial toxicology?

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

- 1. Explain ABCD management of Poisons.
- 2. Define test or assay, validation test and validation.
- 3. Add a note on toxic syndromes.
- 4. Discuss the methods of preventing absorption of poisons.
- 5. Write the examples of drugs / toxins that cause hepatic damage.
- 6. List the drugs causing non-cardiogenic pulmonary oedema.
- 7. Explain the role of chelating agents in acute poisoning.
- 8. Describe Genotoxicity Testing and Data Interpretation for Pharmaceuticals Intended for Human Use.

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

504