CERT-C-1023 CCLSM–01

CERTIFICATE EXAMINATION – FEBRUARY 2025.

CHEMICAL LABORATORY SAFETY MANAGEMENT (CLSM)

Time : 3 hours Maximum marks : 70

PART A — (3 × 3 = 9 marks)

Answer any THREE questions.

1. What is the responsibility of Dean in Laboratory safety?

2. What are called oxidisers?

3. What are called cryogetric liquids?

4. What is called waste minimization?

5. What are laboratory signs?

PART B — (3 × 7 = 21 marks)

Answer any THREE questions.

6. What are chemical and nonchemical hazards? Explain.

7. Explain in detail about MSDs/SDSs.

8. Explain in detail about corrosive chemicals.

9. Explain in detail about solid waste recycling.

10. Explain about the conditions and situations for emergency showers and eyewashes.

PART C — (4 × 10 = 40 marks)

Answer any FOUR questions.

11. What are the duties of Head and directors at critical situations? Explain in detail about risk management.

12. Discuss about basic laboratory safety practices.

13. Discuss in detail about explosives and dark room chemicals.

14. Discuss about waste accumulation rates.

15. Discuss about decontamination of equipment for disposal.

16. Discuss about chemical labelling and special chemical hazards.

17. Discuss about Biological, mixed waste and gas cylinder disposal.

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