

**1331**

**April 2025**

**Time - Three hours**  
**(Maximum Marks: 100)**

**N.B.** Answer all the questions, choosing any two subdivision from each question. Each subdivision carries 10 marks.

1.
  - (a) Write about the history of safety movement.
  - (b) Explain general concepts of management.
  - (c) Discuss about productivity, quality and safety line.
  - (d) Explain about safety sampling.
  
2.
  - (a) Write the importance of training. How the needs of training are identified?
  - (b) Explain any two training methods.
  - (c) How safe practice is promoted? Explain.
  - (d) Explain how safety campaigns work.
  
3.
  - (a) Discuss the different types of audit.
  - (b) Explain the preparation of audit check list and report preparation.
  - (c) Explain the concept of an accident and write the reporting procedure to statutory authorities.
  - (d) Explain about accident investigation and analysis.

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4.
  - (a) Explain the sources of air pollution and its effects on human beings.
  - (b) Explain the health hazards of water pollution.
  - (c) Discuss about hazardous waste management techniques.
  - (d) Describe the water treatment methods.
  
5.
  - (a) Explain the pollution control in cement industries.
  - (b) Explain about pollution control in thermal power plants.
  - (c) Discuss the Tamilnadu factories rules of 1950.
  - (d) Explain the Tamilnadu safety officer rules 2005.

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