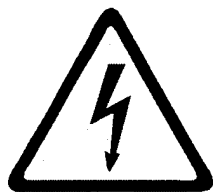



RAN-2303080203060001
M. Sc. (Sem. - III) Examination October - 2025
Chemistry (Paper - V)
Skill Enhancement : Industrial Safety and Water Analysis Techniques
[Total Marks: 35

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book.	Seat No.: Student's Signature
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Q. 1. Answer any three of the following? (18)

- a. Explain the meaning of industrial safety and give the main objectives of safety management
- b. Give brief account on employers process safety management system.
- c. Describe safety measures for general storage requirements and for bulk storage of flammable and explosive chemicals.
- d.
 - i. Enlist the classification of accidents.
 - ii. Identify and give the name of hazard symbols.


Q. 2. Answer any three of the following. (17)

- a. Explain the titrimetric method of analysis of ammonical nitrogen in waste water.
- b. Describe the procedure for the determination of TDS and TSS in water.
- c. What is bio filtration ? How do micro-organisms contribute to pollutant removal.
- d. Discuss the fenton process with its merits and demerits.