

1. Discuss in detail the various environmental hazards.
2. Explain the different sources of chemical hazards. Add a note on control measures for chemical hazards.
3. Discuss the different classes of fires and role of fire extinguishers in managing fires.
4. Discuss in detail ICH guidelines on risk assessment and risk management.

**SHORT ESSAY (Answer any Nine)**

**9 X 5 = 45 Marks**

5. Discuss the water and mineral resources of earth.
6. Write a detailed note on critical hazard management system.
7. Discuss briefly the different types of air based hazards.
8. Discuss the role of electricity passivation, ventilation and sprinkling in prevention of fires and explosion.
9. Discuss the hazards associated with multiphase reactions.
10. What are the different regulations for chemical hazards?
11. What TLV, BLV, BEI, and PEL? Explain.
12. Discuss the schedule 2 of Factory Act.
13. Discuss the self protective measures required for work place hazards.
14. How do you determine the contaminants in hazards management?

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