



[Time: 3 Hours]

[Max. Marks: 75]

Hazards and Safety Management

Q.P. CODE: 5161

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAY (Answer any Three)

3 X 10 = 30 Marks

1. Discuss the mechanical, electrical and thermal hazards to human. Discuss any one types of hazards in detail.
2. Define and classify air pollutant. What are the sources of air pollutants? Discuss common air pollutants in detail.
3. Explain in detail the sources of chemical hazards. Add a note on control measures for chemical hazards.
4. Write about function of producers, consumers and decomposers in an ecosystem. Describe the concept of an ecosystem.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

5. Write the basic procedure for effluent treatment.
6. Discuss briefly the various types of fire extinguishers.
7. Write a note on radioisotopes hazards on health and environment.
8. Discuss the factors associated with management of combustible and toxic gases.
9. Write a note on safety and hazard regulatory bodies.
10. Define fire and explosion. What are the preventive and protective measures followed during fire and explosion.
11. Discuss the different tools used for risk management.
12. Write a note on air circulation maintenance for sterile area in industry.
13. Discuss the role of emergency services in hazard and risk management.
14. Discuss the schedule 2 of factory Act.

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