PART – A
Answer all questions. Each question carries 2 marks. (10x2=20 Marks)

1. Briefly describe the role of safety officers in an industry

2. What are the basic functions of safety committee?

3. What do you mean by safety in hot work industries?

4. Mention the application of safety harness kit.

5. Briefly explain the working of a fire fighting equipment.

6. What is ‘MSDS’? Discuss its importance in chemical industry.

7. What are the harmful effects of industrial pollution?

8. Enumerate the objectives of ESI Act.

9. Prepare a brief note on Industrial hygiene.

10. Explain how proper workplace design increases the productivity of the worker.

PART – B (20x4=80 Marks)
Answer Any Four Questions (20 Marks Each)

Module-I

11. a). Discuss about the role of safety committees in reducing loss time accidents in an industry 10

(b). Enumerate on history and development of industrial safety

OR

12. a). Explain the importance of Factories Act in an industry 10

b). Enumerate the role of management and role of government in industrial safety 10
Module-II

13. a). Discuss about the safety measures to be considered in operating with boilers

   b). Explain about the operational safety to be followed in hot work operations

   OR

14. a). Explain about the safety aspects to be considered in handling power tools

   b). Explain the important safety procedure to be followed in a machining shop

Module-III

15. a). Explain about the importance of housekeeping in reducing accidents in industry

   b). Enumerate the importance of Personal Protective Equipments

   OR

16. a). What are the important safety aspects to be followed in working at height

   b). Discuss about the importance of education and training in safety

Module-IV

17. a). Explain the importance of industrial hygiene in occupational safety

   b). Enumerate the importance of industrial noise control and what are the methods for controlling industrial noise

   OR

18. a). Explain about the importance of ergonomics in workplace design

   b). Discuss about the engineering methods in controlling chemical hazards

(4x20=80 Marks)