

Q 8035

M.E. DEGREE EXAMINATION, MAY/JUNE 2006.

Elective

CAD / CAM

CC 1728 - INDUSTRIAL SAFETY MANAGEMENT

(Regulation 2005)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the functions of safety committee?
2. What is the objective of safety audit?
3. Define the term safety valve.
4. What are the needs of respiratory protective equipment?
5. What are the safety pre-cautions to be taken while handling wheeled trucks?
6. How to control the major industrial hazards?
7. Write any two specific hazard control strategies.
8. What are the causes of Industrial accidents?
9. Define occupation hygiene.
10. What are the functions of NIOSH?

PART B — (5 × 16 = 80 marks)

11. (i) What is the objective of safety audit check list? (2)
(ii) Discuss the safety audit check list. (14)

12. (a) Describe the power press and the provisions for its maintenance. (16)

Or

- (b) Gas fired furnaces are handled in many of the industries. Explain the safety measures and sequence of operations for starting and stopping of furnace. (16)

13. (a) Electrical hazards are the dangerous effects of Electricity. Explain the primary and second hazards. (16)

Or

- (b) (i) Discuss the causes of industrial fires. (6)

- (ii) Describe the four types of fire extinguishers. (10)

14. (a) (i) Describe the various respiratory protective devices. (12)

- (ii) What are the safety protections to be considered for the human body? (4)

Or

- (b) (i) How to conduct accident investigation? (6)

- (ii) Describe the factory's Act 1948 with reference to First Aid. (10)

15. (a) (i) Explain the role of industrial hygienist. (9)

- (ii) Discuss the three types of authorized safety and health standards. (7)

Or

- (b) Write short notes on :

- (i) Legislation related to boilers and pressure vessels. (8)

- (ii) The environmental protection act. (4)

- (iii) Explosive act. (4)