

M.E DEGREE EXAMINATIONS: DECEMBER 2009

First Semester

INDUSTRIAL ENGINEERING

IEE504: Industrial Safety Management

Time: Three hours

Maximum Marks: 100

Answer ALL the questions:

PART A (10 x 2 = 20 Marks)

1. Write any two functions of safety management.
2. What are the types of safety committees?
3. What is the use of a power press?
4. List out the dangerous manufacturing operations.
5. What are the toxic liquids?
6. Define plant layout.
7. What are the causes of accident?
8. What are the classifications of fires?
9. What are the occupational diseases?
10. What do you understand about 'welfare and safety'?

PART B (5 x 16 = 80 Marks)

11. (a) Discuss the major functions and responsibilities of different departments, regarding safety in an organization.

(OR)

- (b) Discuss about the Maslow's hierarchy theory of motivation.

12. (a) Explain the operation safety of the boiler and pressure vessels.

(OR)

- (b) Discuss the operation safety of the painting.

13. (a) Discuss briefly the control of environmental pollution.

(OR)

- (b) Explain briefly safety and health standards.

14. (a) Explain the various causes of accidents.

(OR)

(b) Discuss the various methods of employee training. Which method of training do you feel most suitable and why?

15. (a) Explain about the industrial hygiene.

(OR)

(b) Explain about the environmental pollution act.
