

G 1719

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Reg. No.....

Name.....



B.TECH. DEGREE EXAMINATION, MAY 2015

Eighth Semester

Branch : Mechanical Engineering/Production Engineering

ME 010 805 G01 }
PE 010 805 G01 } INDUSTRIAL SAFETY (Elective IV) [ME, PE]

(New Scheme—2010 Admission onwards)

[Regular/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

*Answer all questions.
Each question carries 3 marks.*

1. How is safety impact productivity in an industry ?
2. What is accident proneness ?
3. Write a note on safety survey.
4. Explain environmental hazards.
5. What are the causes of fire in industry ?

(5 × 3 = 15 marks)

Part B

*Answer all questions.
Each question carries 5 marks.*

6. What are the roles and responsibilities of safety professional ?
7. Explain the safety motivation.
8. Explain risk management.
9. Explain the functional units of occupational health and hygiene.
10. Explain fire risks.

(5 × 5 = 25 marks)

Turn over

Part C

*Answer all questions.
Each question carries 12 marks.*

11. Explain the safety planning procedure in an industry.

Or

12. Explain (i) safety policy ; (ii) safety organizations.

13. Explain the nature and causes of accidents. Brief about accident costs.

Or

14. Describe various equipments used for personal safety.

15. Explain safety sampling techniques.

Or

16. Involvement of every individual in industry is the need of safety. Justify.

17. Explain (i) hearing conservation program ; (ii) electrical and biological hazards.

Or

18. Explain physical, mechanical, social and chemical types of hazards.

19. Explain classification and detection of fires in industry.

Or

20. (i) Explain the contributing factors to industrial fires ; (ii) Write a note on fire load.

(5 × 12 = 60 marks)

