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Question Paper Code : 70279

M.E./M.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2019
Elective
CAD/CAM
CC 5003 – INDUSTRIAL SAFETY MANAGEMENT
(Regulations 2017)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions

PART – A

(10×2=20 Marks)

1. Define the terms a) Hazard b) Risk.
2. Draw the Heinrich triangle.
3. What is annealing process ?
4. What are the importance of chamfering in pipes ?
5. Define 'material handling'.
6. What are the hazards associated in sewage treatment ?
7. What is meant by "Cost of accidents"?
8. What are the possible hazards while operating CO₂ fire extinguisher ?
9. Define the term 'industrial hygiene'.
10. What are the different classes of explosives ?

PART – B

(5×13=65 Marks)

11. a) Explain the types of safety organization structures in detail.
(OR)
b) What are the different types of safety committee ? Explain in detail.

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12. a) What are the hazards associated with hot metal operation ? Explain in detail with necessary control measurements.

(OR)

b) What is meant by shot blasting ? What are the hazards and how to eliminate while performing shot blasting ?

13. a) Discuss about highway and urban safety.

(OR)

b) How to manage emergency situations in industry ?

14. a) Define PPE. What are different types of PPEs ?

(OR)

b) How to perform first-aid during the fractures and burn injuries ?

15. a) List down all the occupational diseases. How to prevent the occupational diseases which occur due to noise ?

(OR)

b) What is occupational health and explain the various components of occupational health ?

PART - C

(1×15=15 Marks)

16. a) How to make employees motivate and make more participation in safety ? Explain with different strategies.

(OR)

b) What are various hazards associated with welding and gas cutting operations ? How to prevent them ? Give your explanations.