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Question Paper Code: 92011

M.E. DEGREE EXAMINATION, MAY 2014.

Elective

CAD / CAM

01PCD507 – INDUSTRIAL SAFETY MANAGEMENT

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions.

PART A - (10 x 2 = 20 Marks)

1. Write any four functions of safety committee.
2. What are the normal unsafe conditions which lead to an accident?
3. What are the possible causes of boiler explosion?
4. What are the common hazards related to gas welding?
5. Name the different classes of fire.
6. What is meant by risk assessment?
7. What are the personal protective equipment required for a worker during overhead welding?
8. What are the hazard control methods required in LPG storage room?
9. List out the Indian and international standards available for safety and health.
10. What are the earthing requirements as per Electricity act?

PART - B (5 x 14 = 70 Marks)

11. (a) Explain in detail about various activities of safety engineering department. (14)

Or

(b) Discuss in detail about safety audit. (14)

12. (a) Explain the detail about the safety measures to be implemented while performing welding and gas cutting operation in workshop. (14)

Or

(b) What do you mean by power press? Give some suggestions to perform the operation safely. (14)

13. (a) How to manage toxic gas from health hazard in industry? Explain with an example. (14)

Or

(b) What are the emergency procedures to be followed when major accident occurred in a chemical industry? Discuss. (14)

14. (a) What is HAZOP study? Explain in detail. (14)

Or

(b) Enumerate the different firefighting devices to be used in an Industry to avoid major fire. (14)

15. (a) Write the salient features mentioned in pressure vessel act. (14)

Or

(b) How to handle explosives safely? State with provisions related to Explosive act. (14)

PART - C (1 x 10 = 10 Marks)

16. (a) Is productivity can be improved by adopting safety measures? Justify. (10)

Or

(b) List out safety measures to be followed in road. (10)
