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Roll No

CM-701(B) (GS)
B.E. VII Semester Examination, June 2020
Grading System (GS)
Safety Engineering and Hazard Management

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. What are the possible health hazards in a chemical process industry?

OR

Describe process hazards.

2. What are acute, chronic and sub-chronic effects of toxicity? Differentiate these.

3. Explain electrical and electrostatic hazards. Why electrical safety is important in process industries?

4. What is Fire triangle? Discuss the causes for fire in a chemical industries.

5. How will you manage hazard communication to employee.

6. What factors involved in Bhopal gas disaster? What lessons were learned from this accident?

7. What is Noise hazards? How can you reduce energy hazards?

OR

Explain the role of Off-site emergency preparedness plan in dealing with a disaster in connection with a chemical plant.

8. Write short notes on any two:

- a) Safety training
- b) Rupture discs
- c) BLEVE
- d) Oil spillage hazard
- e) Sprinkler system.
