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Roll No

FT-704 (GS)
B.E. VII Semester Examination, June 2020
Grading System (GS)
Safety Engineering and its Industrial Application
Time : Three Hours

Maximum Marks : 70

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

1. Explain work permit system and develop its format for working in dangerous confined space.
2. Write the names of machines, used for material handling and describe safety arrangement of any one of those machines.
3. Write atleast four theories of accident causation?
4. a) Describe a case study of industrial accident and also analyse the possible causes of accident.
b) Write short note on accident investigation procedure?
5. Write short notes on:
 - a) Safety committee.
 - b) Safety in material handling.
6. a) Describe hazards and their control measures in LPG bottling plant.
b) Describe hazards and their control measures in solvent extraction plant.
7. Write summary of safety arrangements which are to be provided in chemical works.
8. Answer any four of the following:
 - a) Write short note on Safety Policy.
 - b) Explain difference between Hazard and Risk by giving examples.
 - c) What are the requirement of a safety officer in any factory as per Factories Act Provisions.
 - d) Differentiate between ordinary inspection and safety audit of a factory.
 - e) Describe the fire prevention measures which are necessary in a LPG bottling plant.
 - f) Describe hazards of industry manufacturing articles, made from refractory material.
