

Roll No

FT-704 (GS)

B.E. VII Semester

Examination, November 2018

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. a) Describe a case study of industrial accident and also analyse the possible causes of accident. 7
b) Write short note on accident investigation procedure? 7
2. a) Describe all indicators used for safety performance measurement. 7
b) Describe frequency rate and severity rate. 7
3. a) Explain job safety analysis and prepare a report of job safety analysis for tool grinding process. 7
b) Write short note on Ergonomics and occupational health. 7

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4. a) Describe local exhaust ventilation and its utility in industries. 7
b) Explain safety measures which are to be adopted while working in a hazardous confined space? 7
5. a) Write the safety rules related to Lift and Electric overhead travelling crane. 7
b) Describe the role of supervisor and Government in prevention of industrial accidents. 7
6. Explain various types of safe-guards which may be used in various types of machines, used in factories. 14
7. Write summary of safety arrangements which are to be provided in chemical works. 14
8. Describe the safety arrangements and precautions. Which are prescribed in safety laws for solvent extraction plant? 14
