

Roll No

FT-7002 (CBGS)

B.E. VII Semester

Examination, November 2018

Choice Based Grading System (CBGS)

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 the possible accidents and health-hazards in the job of material handling. Explain with examples. 7
b) Explain safety measures to avoid such accidents and hazards. 7
2. Describe various types of safe-guards with their specific use in machines. 14
3. How the improvement of behaviour of workers by training is helpful in work procedures and working conditions, to make them safe? 14
4. Write safety measures and precautions for prevention of accidents while using and testing pressure-vessels? 14
5. Describe useful personal protective appliances and safety measures for a chemical work using corrosive and flammable substances. 14

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6. Describe briefly the outline of off site emergency plan for a township having industries involving toxic and flammable substances. 14
7. a) Write a brief note on manufacturing process of a factory making articles from refractory materials. 7
b) Narrate the hazards and their control measures in this factory. 7
8. a) Identify the various possibilities of accidents in a LPG bottling plant. 7
b) Explain as to how will you control possibilities of accidents in such LPG bottling plant? 7
