

Total No. of Questions : 8] [Total No. of Printed Pages : 2

Roll No ...

FT-704 (GS)

B.E. VII Semester

Examination, December 2017

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. Why investigate the incidents and write their role and functions of investigation of accidents.
2. Identify four active and four reactive methods of monitoring by which an organization can monitor its health and safety performance.
- ✓ 3. Explain is confined space. Write down essential precautions and requirements which should be consider while working in confined space.
4. Describe the operation of work permit system. Write the typical permit and circumstances in which they may be appropriate.
- ✓ 5. Explain machinery guarding and how it protects form machinery hazards.

FT-704 (GS)

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[2]

6. Discuss the general hazards associated with lifts and hoist. Also write its safe use and maintenance.
7. Explain the distinction between technical, procedural and behavioral controls in workplace.
8. Answer any four of the following:
 - ✓ a) What are the benefits to an organization of having a health and safety committee?
 - b) What the use and limitations of dilution ventilation?
 - ✓ c) Describe the basic noise control techniques?
 - ✓ d) Distinguish between audits and inspection.
 - e) Name the key stages of risk assessment.
 - f) Define accident prevention tag system as per IS : 8095 - 1976?

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