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## FT-704 (GS)

## **B.E. VII Semester**

Examination, December 2017

## Grading System (GS)

## Safety Engineering and its Industrial Application

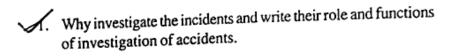
Time: Three Hours

Maximum Marks: 70

Note: i) Attempt any five questions.

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ii) All questions carry equal marks.



- 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.
- Describe the operation of work permit system. Write the typical permit and circumstances in which they may be appropriate.
- Explain machinery guarding and how it protects form machinery hazards.

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- Discuss the general hazards associated with lifts and hoist.
  Also write its safe use and maintenance.
- 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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