

**POST GRADUATE DIPLOMA IN
MANAGEMENT IN INDUSTRIAL SAFETY,
HEALTH & ENVIRONMENT PGDM (ISHE)**

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28900

Term-End Examination

June, 2013

MIS-007 : SAFETY ENGINEERING

Time : 3 hours

Maximum Marks : 70

Note : Attempt five questions in all. Question No. 1 and 2 are compulsory. All questions carry equal marks.

1. Define *any four* of the following : 4x3½=14
 - (a) Accident Prevention
 - (b) Industrial hygiene
 - (c) Emergency preparedness
 - (d) Fire safety
 - (e) Escalator

2. Write short notes on *any four* of the following : 4x3½=14
 - (a) Industrial Safety Engineer.
 - (b) Contributory negligence
 - (c) Fork lift
 - (d) Safety in sand blasting
 - (e) Accident Measurement

3. Write down the types of material handling equipment and explain them with their safety requirements. 14

4. List and briefly explain the most common types of mechanical injury hazards. **14**
5. (a) Explain the theory of mechanical operations in material handling. **2x7=14**
(b) Describe in brief the section 7 B of Factory Act in relation to safety engineering.
6. What are the parameters to be observed during inspection of Personal Protective Equipment (PPE) ? Explain the importance of quality management of PPE. **14**
7. Explain the major causes for fire out-breaks in a power utility. What techniques can be used for fighting and preventing such fires ? **14**
8. Describe the safety parameters to be observed in lifting machines and lifting appliances. **14**
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