

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

Term-End Examination

June, 2011

MIS - 007 : SAFETY ENGINEERING

Time : 3 hours

Maximum Marks : 70

Note : (i) Attempt five questions. Question No. 1 and 2 are compulsory.

(ii) All questions carry equal marks.

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1. Define *any four* of the following : **4x3½=14**
 - (a) Material Handling
 - (b) Industrial Safety
 - (c) Safety Committee
 - (d) Escalator
 - (e) Safety Officer

 2. Write short notes on *any four* of the following : **4x3½=14**
 - (a) Industrial injury
 - (b) Training and development of safety
 - (c) Accident Measurement
 - (d) Safety in Sand blasting
 - (e) Occupational Diseases

3. Why do accidents occur in industries ? Suggest the measures to prevent industrial accidents and to provide safety to employees. 14
 4. Name the different non-respiratory protective equipments and explain any one in detail with its use and benefits. 14
 5. Describe in brief the types of lifting machines and lifting tackles and explain the statutory requirements to be observed in maintaining. 14
 6. Explain the principle of ergonomics and interface design. Is ergonomics related to productivity ? Justify your answer. 14
 7. Explain the various Safety Engineering parameters as per section. 14
 - (a) 7 B of Factory Act
 - (b) Product Liability and Process Liability
 8. Explain the major causes for fire outbreaks in a power utility. What techniques can be used for handling and preventing such fires ? 14
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