

00209

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

Term-End Examination

December, 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 : **$3\frac{1}{2} \times 4 = 14$**
 - (a) Ergonomics
 - (b) Elevator
 - (c) Fork lift
 - (d) Fire safety
 - (e) Lifting tackles

 2. Write short notes on **any four** of the following :
 - (a) Evolution of the concept of industrial safety
 - (b) Safety in design. **$3\frac{1}{2} \times 4 = 14$**
 - (c) Industrial Hygiene Department.
 - (d) Statutory Provisions under the Factories Act, 1948.
 - (e) Accident analysis and Disciplinary action.

3. Describe in detail the specifications for various types of head protection equipments. 14
 4. What are the factors influencing material handling and give the guidelines to be observed by the person, engaged in material handling ? 14
 5. What is safety training and why is it necessary ? Discuss the attributes, a trainer of safety should possess. 14
 6. Describe the types of Accidents and discuss the preventive measures. 14
 7. "Safety alone is not the objective of safety engineering. Health of worker should also be included in the objective" - Justify the statement. 14
 8. Describe in detail the importance of personal protective equipment at construction site. Give example of specific use. 14
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