

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

**Term-End Examination
June, 2014**

MIS-007 : SAFETY ENGINEERING

Time : 3 hours

Maximum Marks : 70

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- Note :** (i) *Attempt five questions in all.*
(ii) *Question No. 1 and 2 are compulsory.*
(iii) *All questions carry equal marks.*
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1. Define **any four** of the following : **4x3½=14**
- (a) Accident
 - (b) Safety
 - (c) Emergency preparedness
 - (d) Employer liability
 - (e) Team lifting
2. Write short notes on **any four** of the following : **4x3½=14**
- (a) Role of occupier
 - (b) Fork lift
 - (c) Safety in design
 - (d) Safety in sand blasting
 - (e) Training and Development of safety
3. "Safety alone is not the objective of safety engineering. Health of worker should also be included in the objective". Justify the statement. **14**

4. Why do accident occur in industries ? Suggest the measures to prevent industrial accident and to provide safety for plant and personnel. 14
5. Describe in detail the types of materials handling equipment and explain with safety requirement. 14
6. Explain the various safety engineering parameters as per section : 2x7=14
(a) 7 B of factory Act.
(b) Product liability and process liability.
7. (a) Explain the theory of mechanical operations in materials handling. 2x7=14
(b) Describe the importance of safety in design of equipment.
8. Write in detail the importance of personal protective equipment at construction site. Give examples of specific use. 14
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