

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

00756

**Term-End Examination**

**June, 2013**

**MIS-004 : SAFETY IN BUILDING AND  
CONSTRUCTION**

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : (i) Attempt five questions in all. 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) Ventilation
  - (b) Battered excavation
  - (c) Access and egress
  - (d) Scaffolds
  - (e) Construction hazards
  
2. Write short notes on *any four* of the following : **4x3½=14**
  - (a) Characteristics of a safety programme
  - (b) Classification of construction accident
  - (c) Accident report
  - (d) Importance of good house keeping in safety management
  - (e) First Aid at construction site

3. Define and identify all probable construction hazards of a typical construction site of cement industry and explain the control measures. 14
4. A contractor who employs an average of 400 men, 48 hrs per week for 60 weeks has 12 disabling injuries and total of 80 days lost from work. Calculate the following : 14
  - (a) injury frequency rate,
  - (b) injury severity rate, and
  - (c) injury index
5. Describe the safety measures and codal requirement for drilling and blasting jobs. 14
6. State codal requirements and important safety measures in any demolition work. 14
7. Explain the parameters to be followed for construction safety management at work site of power project. Illustrate with suitable examples. 14
8. Explain the inspection check-list for lifting appliances and earth moving equipments at construction site. Also discuss in brief the preventive maintenance to be followed at site for all equipments and prepare a check list. 14