

00603

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

**Term-End Examination
December, 2012**

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

Time : 3 hours

Maximum Marks : 70

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

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1. Define *any four* of the following : **4x3½=14**
- (a) Excavation
 - (b) Fire Hazards
 - (c) Personal Protection
 - (d) Tie-off in Lifts
 - (e) Sheathing
2. Write short notes on *any four* of the following : **4x3½=14**
- (a) Storage and handling of building materials.
 - (b) Construction of elements of a building.
 - (c) Demolition of a building in a building area.
 - (d) Safety in construction industry.
 - (e) Lifting appliances in construction industry.

3. Why is an accident prevention programme essential in a construction project/industrial enterprise ? 14
4. Define and explain the direct and indirect cost of an accident. 14
5. A contractor who employs an average of 300 men working 48 hrs. per week for 45 weeks has 12 disabling injuries and a total of 30 days lost from work. Calculate the following: 14
 - (a) Injury frequency rate;
 - (b) Injury severity rate; and
 - (c) Injury index.
6. Discuss in detail the safety lacunae prevailing in Indian construction scenario and suggest the remedial measures for the purposes. 14
7. Explain the inspection check - list for lifting appliances and moving equipments at construction site. 14
8. Describe the tangible and intangible benefits of safety management at construction site. Give suitable examples. 14