

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

Term-End Examination

December, 2013

MIS-004 : SAFETY IN BUILDING AND
CONSTRUCTION

Time : 3 hours

Maximum Marks : 70

- 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) Excavation
 - (b) Construction Hazards
 - (c) Bench Excavation
 - (d) Ventilation
 - (e) Recycling.

 2. Write short notes on **any four** of the following : 4x3½=14
 - (a) Safety in multistoried building construction
 - (b) Unguarded Mines Safety
 - (c) First Aid at construction site
 - (d) Working at height
 - (e) Personal Protective Equipments at a construction site.

 3. Explain the causes of accidents on a construction site. 14

4. State total requirements and important safety measures in any demolition work. 14
 5. What are the tangible and intangible benefits of safety at construction site ? Explain with suitable examples. 14
 6. Describe the various precautions to be adopted for Scaffolding ladders and form work. 14
 7. Describe the inspection check-list used for lifting appliances and moving equipments at Construction Site. 14
 8. A contractor who employs an average of 300 men working 48 hours per weeks for 45 week has 12 disabling injuries and a total of 30 days lost from work. 14
Calculate the following :
 - (a) Injury frequency rate
 - (b) Injury severity rate, and
 - (c) Injury index.
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