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

Term-End Examination

June, 2011

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

Time : 3 hours

Maximum Marks : 70

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. Describe the safety measures required in excavation to avoid accidents. 14
 2. Explain various precautions required to be adopted for scaffolding, ladders and formwork. 14
 3. Describe the methods of avoiding fire hazards in building during and after construction. List important BIS codes for safety against fire. 14
 4. How do you carry out the construction risk analysis ? Explain with a check - list. 14

5. Define the roles and responsibilities of Safety Officer at construction site. **14**
6. Explain the tunnel safety requirements during tunnel construction. **14**
7. Define *any four* of the following : **4x3½=14**
- (a) Drilling and Blasting
 - (b) Fabrication and Erection
 - (c) Demolition
 - (d) Fly Ash
 - (e) Mobile Scaffold Tower
8. Write short notes on *any four* of the following : **4x3½=14**
- (a) Safety in Storage
 - (b) Safety Campaign
 - (c) Control of Noise
 - (d) Falls During Erection
 - (e) Fire Prevention
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