

26800

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

**Term-End Examination**

**December, 2010**

**MIS-012 : HAZARDS RISK ANALYSIS AND  
SAFETY IN USE OF CHEMICALS**

*Time : 3 hours*

*Maximum Marks : 70*

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- Note :** (i) *Attempt five questions. Questions no. 1 and 2 are compulsory.*
- (ii) *All questions carry equal marks.*
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1. Write short notes on *any four* of the following:

**4x3½=14**

- (a) Occupational health hazards in chemical industries
- (b) Toxic (poisonous) and corrosive chemicals
- (c) Hazard Analysis
- (d) Risk and risk analysis
- (e) Chemical burns.

2. Define *any four* of the following : 4x3½=14
- (a) Explosive chemicals
  - (b) On site emergency
  - (c) Rules for Hazard
  - (d) Toxicity
  - (e) Flammability
3. Examine Analytical Systems for Risk Assessment. 14
4. Write the classification of chemicals with examples of hazard control. 14
5. Explain the safety parameters in storage and import of Hazardous Rules 1989. 14
6. (a) Give brief details of combustible gases and vapours. 2x7=14
- (b) Write the details of gas rules to be followed in storage of cylinders.
7. Describe in detail the risk analysis and control measures to be followed in industrial operations. 14
8. List and explain the general precautions that should be applied when transporting chemicals (toxic). 14
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