

00355

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

Term-End Examination

June, 2012

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

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. Define *any four* of the following : 4x3½=14
- (a) Occupational Hazard
 - (b) On site emergency
 - (c) Risk identification
 - (d) Physical Hazard
 - (e) Occupational hygiene.
2. Write short notes on *any four* of the following : 4x3½=14
- (a) Chemical and Biological Hazards.
 - (b) Toxic (poisonous) corrosive chemicals.
 - (c) Toxicity and flash points.
 - (d) Long Term Exposure Limit.
 - (e) Dangerous Substance (chemicals).

3. Explain the safety parameters in storage and import of Hazardous Rules 1989. 14
 4. Discuss the Bhopal Gas Tragedy. What lesson we have learnt from the disaster ? 14
 5. Describe briefly the impact of industrial effluents and highlight the industry - specific treatment schemes. 14
 6. (a) Give brief details of combustible gases and vapours. 7+7=14
(b) Write the details of gas rules to be followed in storage of cylinders.
 7. List and explain the general precautions that should be applied when transporting chemicals (toxic). 14
 8. What are green house gases ? Explain the green house effect. Discuss the causes and effects of global warming. 14
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