

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

**Term-End Examination  
December, 2013**

**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.*

1. Define **any four** of the following : **4x3½=14**
- (a) Rules of Hazard
  - (b) Toxicity
  - (c) Flammability
  - (d) Industrial safety officer.
  - (e) Occupational hygiene.
2. Write short notes on **any four** of the following : **4x3½=14**
- (a) Job safety analysis
  - (b) Chemical and biological hazards
  - (c) Five hazards
  - (d) Safe working with chemicals
  - (e) Ventilation

3. Many jobs will be available in the next few years in the field of hazardous waste monitoring and disposal. Would you take such a job ? If not, why ? If so, do you feel secure that your health would not be jeopardized ? Justify your answer with suitable examples. 14
  4. (a) Give brief details of combustible gases and vapours. 14  
(b) Discuss the details of gas rules to be followed in storage of cylinders.
  5. Discuss the Bhopal Gas Tragedy and bring out the lessons learnt ? 14
  6. Describe briefly the impact of industrial effluents and highlight the industry-specific treatment Schemes. 14
  7. What is the greenhouse effect ? What is its importance to global climate ? 14
  8. Compare the potential environmental consequences of burning oil, burning natural gas and chemical Hazards. 14
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