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

Term-End Examination

June, 2011

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

Time : 3 hours

Maximum Marks : 70

- Note :**
- (i) *Attempt five questions. Questions 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) Toxic Substance
 - (b) Irritants
 - (c) Explosive Hazards
 - (d) Chemical Hazards
 - (e) Fumes

 2. Write short notes on *any four* of the following : **4x3½=14**
 - (a) Industrial hygiene
 - (b) Airborne contaminants.
 - (c) Ventilation
 - (d) Intoxication
 - (e) Safe working with chemicals.

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. What is the greenhouse effect ? What is its importance to global climate ? 14
 5. Describe the major steps in waste water treatment (primary, secondary, advanced). Can natural ecosystems perform any of these functions ? Justify your answer. 14
 6. Explain the various reasons for chemical accidents and its causes with control measures. 14
 7. Write down the parameters laid in storage and import of hazardous chemical Rules' 1989. 14
 8. Compare the potential environmental consequences of burning oil, burning natural gas and chemical Hazards. 14
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