

00205

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

Term-End Examination

December, 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) Chemical Hazard
 - (b) Explosive Chemicals
 - (c) Combustible gas/vapour
 - (d) Intoxication
 - (e) Risk Mangitude
2. Write short notes on **any four** of the following.
- (a) Job Safety Analysis. **4x3½=14**
 - (b) Occupational health hazards in chemical industries.
 - (c) Storage and transportation of chemicals.
 - (d) Hazard and operability study.
 - (e) Safe working with chemicals.

3. Write the classification of chemicals with an examples of hazards control. 14
 4. Discuss the major categories of "elements at risk". 14
 5. Explain why experience and related expertise are so important when conducting a preliminary hazard analysis. 14
 6. Explain the various reasons for chemical accidents and its causes with control measure. Give examples. 14
 7. Explain managing of substance risk with respect to toxic, explosive and flammable chemicals. 14
 8. Discuss any major accident/tragedy of any chemical industry, and also bring out the lesson learnt. 14
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