

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

Term-End Examination

December, 2013

MIS-011 : FIRE APPLICATION AND FIRST AID

Time : 3 hours

Maximum Marks : 70

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- 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 and explain **any four** of the following :
 - (a) Mechanical Hazards **4x3½=14**
 - (b) Fire triangle
 - (c) Burn
 - (d) Pyrolysis
 - (e) Combustion

2. Write short notes on **any four** of the following :
 - (a) Contents of first aid box. **4x3½=14**
 - (b) First Aid training
 - (c) Aqueous Film Forming Form (AFFF)
 - (d) Explosive limit
 - (e) Photo electric fire sensors

3. What are the electrical emergencies and explain **14**
the first aid application in electrical industry ?

4. Describe the various methods of fire detection with particular emphases on automatic fire detectors. 14
 5. Describe the various precautions and fire protection to prevent fire accident. 14
 6. What are the steps relating to first aid that a company should take beyond providing training ? 14
 7. What is the role of first aid in responding to emergency ? Describe the contents of a first aid Kit. What are the different elements of emergency planning ? 14
 8. Explain advantages and disadvantages of CO₂ extinguisher and illustrate with diagram the CO₂ fire extinguisher. 14
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