

**POST GRADUATE DIPLOMA IN FIRE SAFETY  
AND DISASTER MANAGEMENT  
(PGDFSTYDM)**

**Term-End Examination**

**December, 2013**

**MSE-008 : FIRE SAFETY**

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** *Attempt all questions.*

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**PART-A**

1. Write 'True' or 'False' against each statement as per fact. 10x1=10
- (a) "Refuse Area" in High Rise buildings is provided away from the building.
  - (b) Class-III construction implies to a building made of all combustible material.
  - (c) Glass bulb sprinklers are also Heat detectors.
  - (d) Vertical Cracks on wall are main cause of Wall collapse.
  - (e) Heat Detectors are considered most suitable for Petrol-Oil-Lubricant (POL) stores.
  - (f) Bricks without impurities are highest Heat resistant among all Building materials.
  - (g) Ventilation of flammable gas compartment means reducing the content of gas below its Lower limit of flammability.

- (h) Material which will burn or gives off flammable vapours when heated upto 750°c is known as incombustible.
- (i) Hotels as per NBC fall under group 'A' buildings.
- (j) One unit exit width is 500 mm.

### **PART-B**

2. Attempt **any six** questions. Each carries **5** marks : **5x6=30**
- (a) Pre-action sprinklers.
  - (b) L.P.G.
  - (c) Factors affecting means of Escape.
  - (d) Density factor and its use.
  - (e) pressurization and containment.
  - (f) Fui detectors.
  - (g) Drenchers and Emulsifiers.
  - (h) Classification of buildings as per National building Code.

### **PART-C**

3. Attempt **any five** questions. Each carry **12** marks : **12x5=60**
- (a) Difficulties faced by fire fighting team in a Ware House fire and methods to overcome each of them.
  - (b) Explain classification of "Dangerous Goods" and method of fui fighting in any one of them.

- (c) What do you understand by “Fui-prevention” and “Fui Protection” ? List the items which will compliant to above two arrangements.
  - (d) Fui safety in Fuel Depots is of paramount importance. Describe ‘Active’ and ‘Passive’ fui safety measures in such installations with respect to each risk.
  - (e) List out the precautions to be taken while handling Gas Cylinders and acid Carboys.
  - (f) Give details of Fui Safety arrangement in High Rise buildings.
  - (g) What do you understand by ‘Isotope’? What risks are associated with unstable Isotopes ? How will you organize fire fighting in touch materials ?
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