

00535

**DIPLOMA IN FIRE SAFETY MANAGEMENT
(DFSTYM)**

Term-End Examination

June, 2012

**BSE-043 : STRUCTURAL FIRE PROTECTION
OCCUPANCIES AND COMMUNICATIONS**

Time : 3 hours

Maximum Marks : 75

Note : *Please write draw drawings which will fetch you more marks. **Attempt all** questions. Please write neatly.*

1. Write *True* or *False* against correct statement : **5x1=5**
- (a) Always use fire lift in case of building fire for evacuation.
 - (b) As per National Building code 2005 for high rise buildings above 60 meters height, provision for helipad should be made.
 - (c) Fire officer for hotels with height of more than 30 meter is appointed to Impart Training and maintaining fire fighting equipments in good working condition always/all times.
 - (d) Building classification as per BIS are from Group A to Group 'J'.
 - (e) It is mandatory that all means of EXITS should be illuminated.

2. Fill in the blanks with appropriate words : $5 \times 1 = 5$

- (a) Foam used for extinguishing _____ class fire.
- (b) In case of fire, the Emergency contact number of city Fire Brigade is _____.
- (c) Fixed fire fighting Installation at high rise buildings are _____.
- (d) Water tank for the down comer be kept at _____.
- (e) By use of _____ fire can be extinguished by smothering.

3. Write short notes on *any seven (7)* : $7 \times 5 = 35$

- (a) What is meant by Refuge area in high rise building ?
- (b) Various first aid fire fighting appliances/ equipments, give example.
- (c) Fixed foam Installation and Carbondioxide fire extinguishing system.
- (d) What is Manual Call Point/Box, how is it useful in case of fire situation ?
- (e) Fire evacuation drill conducted in High Rise Building.
- (f) If you hear evacuation instruction, what is your immediate reaction ?
- (g) What is fire service Inlet, in wet raiser system provided in building ?

- (h) What are the Personal Protection Equipments (PPE) for fireman ?
- (i) Where is the fuel stored in the Air craft ?

4. Give Answer on *any three (3)* in details : $3 \times 10 = 30$

- (a) What are the checks to be conducted to ensure the structural fire Protection Systems serviceable at all times ?
 - (b) What are the duties and responsibilities of Fire Patrollers in fire detection, extinguishment, evacuation, conducting fire drills etc ?
 - (c) What are the Fire Safety measures you recommend for computer Installations, Telephone Exchange, and TV. Stations ?
 - (d) What is the Fire order / Instruction displayed in star hotels ? List out important instructions for evacuation, fire fighting.
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