

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

Term-End Examination

December, 2011

00243

**BSE - 046 : INDUSTRIAL SECURITY AND FIRE
PROTECTION SYSTEM**

Time : 3 hours

Maximum Marks : 75

Note : Attempt all questions.

1. Fill in the Blanks. 5x1½=7½
 - (a) Door frame metal detector is portable walk through type _____ detector.
 - (b) NFPA stands for _____.
 - (c) _____ detector sensor the electromagnetic radiation emitted by a fire in the form of flames.
 - (d) The signal of _____ pull on rope indicates emergency.
 - (e) When it is not possible to make perimeter wall, _____ are erected to achieve the object of access denial.

2. Write *True* or *False* against each statement. 5x1½=7½
 - (a) Patrolling should never be done at a fixed time and in fixed route.
 - (b) Escape routes are designed and provided in a building for speedy evacuation of occupants in an emergency.

- (c) In case of Bomb threat or fire emergency. the occupants residents should evacuate the building using lifts.
- (d) To check the incoming and outgoing material is not the duty of security staff at main gate.
- (e) In a fire emergency the fire extinguishers must be operated only by fire department personnel.

3. Write short notes on *any six*. 6x6=36

- (a) Flame Detector
- (b) Fire signals used in fire fighting operations.
- (c) Escape routes
- (d) Close Circuit Television (CCTV)
- (e) Patrolling
- (f) Watch Tower
- (g) Assembly Points
- (h) Rescue and Relief equipments
- (i) Fire Alarm system.

4. Attempt *any Two* of the following : 2x12=24

- (a) Briefly explain the action to be taken in case of Bomb threat.
- (b) Explain the importance of modern electronic gadgets in security.
- (c) Explain the function of a FIRE control room. Also name the list of registers and equipments to be kept in FIRE control room.