

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

Term-End Examination

June, 2011

**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) NFPA stands for _____.
 - (b) CCTV stands for _____.
 - (c) In case of any emergency in a building the evacuation of the occupants should be done through _____.
 - (d) BIS stand for _____.
 - (e) HHMD is hand held _____ detector.
2. Write **True** or **False** against each statement : 5x1½=7½
- (a) The signal of continuous pull on rope indicates emergency.
 - (b) Access Control means to control the entry and exit of men, material and vehicles.
 - (c) Smoke detector senses the electromagnetic radiation emitted by a fire in the form of flames.

- (d) The basic function of fire alarm panel is to indicate the out breaks of fire in a particular zone.
- (e) Authentic information collected from different sources about the activities of criminals, trade unions and other social elements well in time is called sabotage.

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

- (a) Smoke Detector
- (b) Door Frame Metal Detector
- (c) Pass System
- (d) Fire signals used in fire fighting operation
- (e) Alarm System
- (f) Watch Tower
- (g) Escape Routes
- (h) Perimeter Wall

4. Answer *any two* of the following : 2x12=24

- (a) Explain the action to be taken by security staff in case of Bomb threat.
- (b) Name the various electronic security gadgets and explain in brief the function of any two.
- (c) Explain the various types of fire detectors with their suitability.
- (d) Name the various types of Rescue equipments used during earthquake and flood operations. Also explain use of any three in detail.