| BSE - 046 |

DIPLOMA IN FIRE SAFETY MANAGEMENT (DFSTYM)

00545

Term-End Examination

June, 2012

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) BIS stands for _____.
    (b) Thermal Sensor detects changes in _____.
    (c) Smoke detector works on _____ principle.
    (d) Fire alarm system provided for evacuation should have _____ signalling.
    (e) Trouble signals should be distinctive from _____ signals.

2. Write *True* or *False* against each statement : 5x1½=7½
    (a) The code of emergency signals should be Standardised in respect of installations.
    (b) Three short rings of the alarm bell stands for fire.
    (c) Intermittent wailing of siren means H_2S emission.
    (d) NFPA codes are formulated by BIS.
    (e) NFPA code 130 stands for portable fire extinguishers.

3. Write short note on *any five* : 5x3=15
   (a) Occupant Load
   (b) Total Flooding
   (c) Riser System
   (d) Fire Resistance
   (e) Method of Communication
   (f) Direct / Indirect Loss
   (g) Flash Point and Fire Point
   (h) P.T.O.

4. Define the following (*any three*) : 5x3=15
   (a) Resuscitation
   (b) C.P.R.
   (c) B.A.Set
   (d) Pre - Entry Test
   (e) Tidal Air

5. (a) Define Means of Escape. 5
   (b) Describe and Identify the affecting factors 5
       of means of escape.
   (c) Write down characteristics of External 5
       Staircase.

6. Describe the Procedure followed in rescuing the
   victims from : 3x5=15
   (a) Flood Rescue
   (b) Bomb Blast at Railway Station
   (c) Collapsed Building during earth quake.