

00256

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

Term-End Examination

June, 2013

**BSE-044 : FIREMANSHIP, SAFETY IN BUILT
ENVIRONMENT, AIRCRAFT AND MARINE FIRE**

Time : 3 hours

Maximum Marks : 75

*Note : Attempt all questions. Question 1 and 2 are compulsory.
Attempt any five from question no.3 and three from Q.No.4.*

1. Write *True* or *False* against each statement : $10 \times 1 = 10$
- (a) The main body of the Aircraft to which the wings and tail are attached is called fuselage.
 - (b) Keel is the highest part of the ship forming the backbone on which it is built.
 - (c) Bridge is the highest part of ship from which it is steered.
 - (d) The fire risk can be minimized by good housekeeping.
 - (e) L.P.G. mainly comprises of Propane and Oxygen.
 - (f) AFFF stands for Advanced Fire Fighting Foam.

- (g) Portable fire extinguishers are used to extinguish the fire at initial stage.
- (h) Hull is the frame work of a ship.
- (i) The inhaled Air consist of 16% oxygen.
- (j) The Captain of a merchant vessel is known as Master.

2. Fill in the blanks :

10x1=10

- (a) Fire Service Day is celebrated by all fire services in India on _____.
- (b) _____ is a knife having slightly curved steel blade used to release passengers in an Aircraft by cutting harness or seat belts.
- (c) _____ Fire Tender is used at Airport.
- (d) NBC stands for _____.
- (e) The fireman should be _____ fit and _____ alert.
- (f) N.F.P.A. stands for _____.
- (g) The place at an Airport used for landing and take off is called _____.
- (h) _____ is the process in which heat is transmitted from one part of the body to the other without the actual movement of particles.
- (i) _____ Extinguisher is best suitable for metal fires.
- (j) _____ book is an official record of all matters relating to work carried out at the Fire Station.

3. Write short note on *any five* of the following : $5 \times 5 = 25$
- (a) Crash Fire Tender
 - (b) Ventilation
 - (c) Symptoms of Building Collapse
 - (d) Response Time
 - (e) Disaster
 - (f) Good House-keeping
 - (g) Principles of Fire Extinction
 - (h) Qualities of a good fireman
4. Answer *any three* questions in detail : $10 \times 3 = 30$
- (a) Explain the various types of Emergency at an Airport.
 - (b) Describe the precautions to be taken by fire fighters while fighting fires in High rise buildings.
 - (c) Explain the difficulties faced by fire fighters in fighting rural fires with remedial measures.
 - (d) Explain the duties of station incharge of a fire station.
 - (e) Explain the general requirements of a Fire Station.
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