

00292

**DIPLOMA IN FIRE SAFETY**

**Term-End Examination**

**June, 2010**

**BSEI-027 : SAFETY PROCEDURES**

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** (i) *All question are compulsory accept choice questions in Question Bank 2 and 3.*

(ii) *No Question will be repeated again.*

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**PART-A : - Right or wrong (✓ or X) 18x1=18**

1. (a) Pliers are used as a turning over tools. ( )
- (b) Large Axe is an example of cutting tools. ( )
- (c) The practical usage, capacity of an insulated fireman's axe is 3000 Volts. ( )
- (d) The standard length of ceiling hook is between 15 to 18 feet. ( )
- (e) Sheers are used as a cutting tools. ( )
- (f) Pneumatic Jacks are used for beating the fire. ( )
- (g) Chimney rods are dealt in for chimney fires. ( )

- (h) Bars are cut by cold sets. ( )
- (i) Fuselage is understood as an underside part of the Aircraft. ( )
- (j) In an aircraft rescue operation; rescue team should consist of two man. ( )
- (k) Canopy is a part of crash fire Tender. ( )
- (l) Confined turbine Engines are used in fire engine vehicles. ( )
- (m) The frame part of the ship is called hull. ( )
- (n) Keel is the lowest part of the ship. ( )
- (o) Hydraulic platforms are used for rescue purpose in basements. ( )
- (p) B.A. sets are beneficial for rescue in sewer lines. ( )
- (q) Occurrence Book is used in Watch Room. ( )
- (r) Automatic fire alarms are used for fire fighting. ( )

**PART-B : - Fill in the Blanks ( \_\_\_\_\_ ) 10x1=10**

- (a) Pick axes are used for \_\_\_\_\_ the materials.
- (b) Practical usage limit for rubber hand gloves is up to \_\_\_\_\_ volts.
- (c) Hydraulic Jacks are used for \_\_\_\_\_ the heavy loads.
- (d) The fixed and sliding portion of a cockpit covering is called \_\_\_\_\_.
- (e) The loading door in a ship's hull is called \_\_\_\_\_.
- (f) Machinery of cargo ship is protected with \_\_\_\_\_ Gas.
- (g) In case of emergency, all local services will be kept in touch with \_\_\_\_\_ department.
- (h) After return from a fire call to fire station, a fire fighter should be reported to \_\_\_\_\_.
- (i) Turnout area of a station is the area within which the appliances of the station turnout as the first \_\_\_\_\_ as whole or as a part.
- (j) The station ground of a fire station is the \_\_\_\_\_ area of the fire station.

2. Short answer type questions, out of 8 questions,  
7 will be attempted : 7x6=42
- (a) Write a short note on different types of conventional tools ?
  - (b) What is fireman's axe ? What are the uses of fireman's axe ?
  - (c) What are miscellaneous special tools ? Explain each with examples.
  - (d) Write down the points on care for small gears and tools ?
  - (e) What are the important informations required in an air crash ?
  - (f) What are the fire fighting techniques for a ship fire ?
  - (g) Write down the tips for rescue in a lift ?
  - (h) On reaching at fire ground, what are the duties or responsibilities of a fire personnel ?
3. Long answer type questions 3 questions out of  
5 will be attempted : 3x10=30
- (a) Write a brief note on general requirements of a control room ?
  - (b) What are the points for care and maintenance of small gears ? Write in brief.
  - (c) What are general requirements for fire protection of a passenger ship ?
  - (d) Write down a brief note on methodical and systematic search during fire in an emergency ?
  - (e) What is contingency plan ? Write a brief note on it ?