

00813

**CERTIFICATE IN RESCUE AND FIRE  
FIGHTING (CRFF)**

**Term-End Examination**

**December, 2011**

**BAV-008 : FIRE FIGHTING OPERATIONS**

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** Answer *any five* questions. All questions carry *equal* marks.

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1. (a) What do you mean by 'Fire area' in an aircraft hangar ? 10x2=20
- (b) Define local standby.
- (c) Name any four types of emergencies in an airport.
- (d) What do you mean by rendezvous point ?
- (e) Name four communication medias used in an airport fire station.
- (f) What is positive pressure in BA set ?
- (g) What is alpha particle ?
- (h) Low flammability range - Define.
- (i) What do you mean by B' class Petroleum ?
- (j) What do you mean by Group C' building as per NBC-2005 ?

2. Write short notes on the following :
- (a) Full Emergency. 5
  - (b) Triage 5
  - (c) Aircraft bomb warning. 5
  - (d) Cardio Pulmonary Resuscitation (CPR). 5
3. (a) What is post accident procedure ? Why it is required in aircraft accident ? Explain the role of 2 important agencies in post crash. 10
- (b) Write a note on Airport Fire Station. 10
4. Write short notes on the following :
- (a) Casualty identification Tag. 5
  - (b) Fire control room 5
  - (c) Breathing Apparatus (SCBA) set. 5
  - (d) Station level training (in house Training). 5
5. (a) Explain vapour density. Write the importance of V.D. in fire fighting. Prepare a plan of operation fire service at a site where an LPG tanker accident occurred on a highway. 10
- (b) With the help of sketch explain oil tank farm, Dike and protection of storage tanks from fire. 10

6. How National Building code of India classified buildings as per occupancy ? Explain the hazards and risks of a multistoried textile shop in case of a fire and give your recommendation for the safety of the same. **20**
7. Write short notes on :
- (a) Hazardous chemicals transportation **5**
  - (b) BLEVE **5**
  - (c) Ventilation and fire fighting **5**
  - (d) Decontamination of radiation **5**
8. What are the classification of airports as per ICAO for the purpose of fire safety ? Explain in detail about a Cat. 9 airport. **20**
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