

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

**Term-End Examination**

**June, 2011**

**BAV-008 : FIRE FIGHTING OPERATIONS**

*Time : 3 hours*

*Maximum Marks : 100*

Answer *any five* questions :

1. Briefly explain the tetrahedron of fire and its significance in fire fighting. **20**
2. List the various methods of entry in fire fighting and explain the frequently used methods of entry during aircraft emergency operation. **20**
3. Briefly explain the submerged applications of foam and its disadvantages. **20**
4. Explain the working principle and limitations of the following equipments.
  - (a) Self contained breathing apparatus **10**
  - (b) Extension Ladder **10**

5. How will you estimate the foam compound required for a floating roof storage tank farm consists following facility as per OISD 116 ? 20

(a) No of tank - 4

(b) Details of tanks

Tank No.	Dia (m)	Height
(1)	12 m	10 m
(2)	72 m	14.4 m
(3)	56 m	14.4 m
(4)	18 m	10 m

6. How will you classify explosives as per UN classification ? Explain with example. 20

7. Bring the salient features of Petroleum Act and rules. 20

8. Briefly explain the safety and fire fighting requirements for high rise buildings as per NBC. 20