

- Q.27 Write a short note on protection against fire in LPG storage areas.
- Q.28 Write short note on pressurized tunneling.
- Q.29 Explain automatic suppression in detail.
- Q.30 Discuss follow up procedure adopted for the prevention of fire.
- Q.31 Why do we need national building codes?
- Q.32 Discuss the working of cross country pipelines in detail.
- Q.33 What is an Oxygen-Enriched Atmosphere?
- Q.34 Explain the criteria adopted for the storage of hazardous and dangerous chemicals.
- Q.35 What are some of the most important qualities an air traffic controller should have?

#### **Section-D**

**Note:** Long answer questions. Attempt any two questions out of three Questions. (2x10=20)

- Q.36 Explain the various types and uses of fire fighting installation in detail.
- Q.37 Discuss in detail the criteria to be adopted for assessing the fire properties of building.
- Q.38 Explain the working of ejection seat in air force aircraft.

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### **Sem. 3** **Sub : Fire Prevention**

**Time : 3 Hrs.**

**M.M. : 100**

#### **SECTION-A**

**Note:** Multiple Choice Questions. All Questions are compulsory. (10x1=10)

- Q.1 Smoke detector sensitivity shall be checked within \_\_\_\_\_ year after installation.
- a) Four
  - b) One
  - c) Three
  - d) Two
- Q.2 Which of the following types are fire detectors?
- a) Heat detectors
  - b) Smoke detectors
  - c) Point heat detectors
  - d) All of the above
- Q.3 Under Fire prevention which of the following detector saves human life in commercial buildings?
- a) Ultraviolet
  - b) Infrared
  - c) Smoke
  - d) Heat
- Q.4 The most appropriate method to put off Electrical fire is the use of \_\_\_\_\_
- a) CO<sub>2</sub> extinguisher
  - b) Foam
  - c) Water
  - d) PVC Powder
- Q.5 The available fire extinguisher can only be used for a duration of \_\_\_\_\_

- a) 30-40 seconds      b) 3-4 Minutes  
 c) 1-2 Minutes      d) 10-25 Seconds
- Q.6** How many hazards class label exists for different hazards substances?  
 a) 5                      b) 7  
 c) 9                      d) 11
- Q.7** Material best used for stairs in a fire restriction zone is  
 a) Steel  
 b) Reinforced concrete  
 c) Glass and steel  
 d) Steel & Metal Cladding
- Q.8** What is considered oxygen enriched air?  
 a) Oxygen more than 22%  
 b) Oxygen more than 50%  
 c) Oxygen less than 18%  
 d) None of the above
- Q.9** Explosive magazine is \_\_\_\_\_ where explosive materials are kept or stored  
 a) A building      b) Storehouse  
 c) Structure      d) All of the above
- Q.10** National Building Code contains  
 a) fire safety requirements  
 b) General building requirements  
 c) Manpower needed for the building  
 d) Only A & B

### Section-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 What do you mean by the term Inspections?  
 Q.12 Write full form of ATC.  
 Q.13 Define fire load.  
 Q.14 Write the use of master register in inspection.  
 Q.15 Define hazardous chemicals.  
 Q.16 What is checklist.  
 Q.17 What are the common means of Escape?  
 Q.18 What is fire detection?  
 Q.19 Define Explosion?  
 Q.20 What are the places of High fire?

### Section-C

**Note:** Short answer type Question. Attempt any twelve questions out of fifteen Questions. (12x5=60)

- Q.21 Discuss the specifications of fire fighting installation.  
 Q.22 Discuss preventive maintenance of an aircraft.  
 Q.23 Discuss the working of ladder drill in detail.  
 Q.24 What are the various causes of fire and its prevention?  
 Q.25 Differentiate between fire detection and fire warning systems.  
 Q.26 Explain fire load as per NBC occupational hazard.