

- Q.24 Explain the various types of fire warning systems.
- Q.25 Discuss the need of fire extinguishing agents in detail.
- Q.26 How do you prevent fire at airport?
- Q.27 Describe the various functions of NBC
- Q.28 Discuss the principal of fire fighting installation.
- Q.29 What are the places of high life risk ?
- Q.30 Discuss the need of cross checking the proper filling and expiry of fire extinguishers.
- Q.31 Discuss the possible causes of fire at airport.
- Q.32 Discuss the risks associated with aircraft construction .
- Q.33 Write the safety technique for very high risk buildings.
- Q.34 Discuss the follow up procedure to prevent fire.
- Q.35 Discuss the various causes of wall collapse in case of fire.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. $(2 \times 10 = 20)$

- Q.36 Discuss the various codes of practice prepared by Bureau of Indian Standards.
- Q.37 Explain the rescue and fire fighting technique used in air craft.
- Q.38 What are the basic causes of fire and its prevention ?

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3rd Sem / Branch : Firetech. and safety

Subject:- Fire Prevention

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory $(10 \times 1 = 10)$

- Q.1 _____ a closed building structure to hold aircraft.
 a) Airplane Hanger b) Runway
 c) Air station d) None of these
- Q.2 ARFF stands for _____
 a) Aircraft Rescue Fire Force
 b) Aircraft Rescue Fire Fighting
 c) Automobile Rescue Fire Fighting
 d) Automobile Rescue Fire Force
- Q.3 Dry Chemical such as BC or ABC extinguishers should not be used on fires involving:
 a) Inflammable Gas b) Inflammable Liquid
 c) Combustible Solid d) Combustible Metal
- Q.4 The _____ is the number of square feet of floor area required per occupant:
 a) Exit capacity b) Exit Discharge
 c) Occupant Load d) Travel distance

- Q.5 Industrial safety management is that branch of management which is concerned with _____ hazards from the industries:
a) Reducing b) Controlling
c) Eliminating d) All of the above
- Q.6 Flammable liquids having flash point 23°C and above but below 65°C is _____ liquid:
a) Class A b) Class B
c) Class C d) None of the above
- Q.7 All static water tanks for firefighting shall normally be located within _____ of the risk to be protected :
a) 60 meter b) 100 meter
c) 120 meter d) 150 meter
- Q.8 The phases of burning/ combustion is depend on :
a) The amount of time the fire has burnt
b) The ventilation characteristics of the confining structure
c) The amount and type of combustibles present
d) All of the above
- Q.9 Combustible solids with specific surface of more than 20 sq. cm/gm termed as :
a) Tinder b) Kindling
c) Bulk fuel d) All of the above

- Q.10 Material with _____ specific heat will heat up more rapidly in fire conditions :
a) Low b) High
c) Low or High d) None of the above

SECTION-B

Note: Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$

- Q.11 What is smoke sensor ?
Q.12 What are Hazardous chemicals ?
Q.13 What is manual suppression ?
Q.14 Define Grading Occupancy
Q.15 What is full form of BIS
Q.16 What do you mean by fire prevention ?
Q.17 Name two hazardous chemicals.
Q.18 Write full form NBC
Q.19 Define structural protection.
Q.20 What is the use of pressurize tunneling ?

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. $(12 \times 5 = 60)$

- Q.21 Write brief description about fire protection in building.
Q.22 Give brief description about Airport runways.
Q.23 Discuss the role and importance of water resources in case of fire.