

- Q.27 What are the methods of exit from fire and smoke place?
- Q.28 What is the procedure of detection to the causes of fire point.
- Q.29 Write about ceremonial parade practice.
- Q.30 Explain different type of modulation techniques.
- Q.31 What are the main responsibilities of fire fighting team at fire ground?
- Q.32 Describe the fire station alerting & dispatching of fire fighting resources.
- Q.33 What are the various factors of damage during fire?
- Q.34 What harm may occur during poisonous gas leakage? Give remedies.
- Q.35 What are the various special calls which are attended by a fire station?

Section-D

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

- Q.36 What are the pre-requisites' of physical training of manpower for lighting fire? Explain.
- Q.37 Explain the following in detail:
- Applications of wave propagation
 - Modulation and its types
- Q.38 Explain the petroleum Act/Rule, how it is important?

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Sem. 6 Fire Tech & Safety Sub : Investigation & Inspection of Fire

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 In a oil and Gas Drilling rig, an area within 4,5 Meters of the shale shakes in open area is considered as
- Zone-1
 - Zone-2
 - Zone-0
 - None of these
- Q.2 What color is used for the label of a dry powder fire extinguisher?
- Blue
 - Black
 - Cream
 - White
- Q.3 How many pumps are in a hydrant?
- 1
 - 2
 - 3
 - 4
- Q.4 Which gas is not poisonous?
- Carbon dioxide
 - Carbon monoxide
 - Sulphur dioxide
 - Nitrogen dioxide
- Q.5 What should be done when the smoke alarm emits intermittent audible signals.

- a) Remove the battery
 - b) Call the fire department
 - c) Replace the battery
 - d) Replace the smoke alarm
- Q.6 When a smoke alarm must be replaced.
- a) Every 5 years b) Every 10 years
 - c) Every 20 years d) None of them
- Q.7 _____ is a continuously attended room in a fire station in which alarms are received.
- a) Fire station b) Watch room
 - c) Washroom d) Fire alarm room
- Q.8 The purpose of building bye laws is :
- a) Protect safety of public against fire
 - b) Health hazards
 - c) structural failure
 - d) All of the above
- Q.9 _____ is a permanently fixed, mechanically operated ladder, usually mounted upon apparatus and operated from the same.
- a) Extendable ladder
 - b) Iron ladder
 - c) Aerial ladder
 - d) Folding ladder
- Q.10 The label of a dry poser fire extinguisher is of _____ colour.
- a) Black b) Blue
 - c) Red d) White

Section-B

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

- Q.11 The process of varying one or more properties of a periodic sound waveform is called _____.
- Q.12 What are causes of ignition?
- Q.13 Violent movement of the earth's surface is known as _____.
- Q.14 What are fire service appliances?
- Q.15 Name any one nuclear element.
- Q.16 NBC code part-IV was implemented in year _____.
- Q.17 What are the Precautions in electricity fire?
- Q.18 Define special service calls.
- Q.19 What are the type of amplifiers?
- Q.20 What is Cinatograph Act?

Section-C

Note: Short answer type Question. Attempt any Twelve questions out of Fifteen Questions. (12x5=60)

- Q.21 Explain the motives leading to arson.
- Q.22 Distinguish between Pump Drill and Hydrant Drill.
- Q.23 What are rescue problems of highway accident?
- Q.24 What is the importance of communication in fire service? Explain.
- Q.25 Explain briefly radio communication.
- Q.26 Explain wave propagation and its modes.