

- Q.30 Explain the working of ABC extinguisher (CO1)  
 Q.31 Explain functions of pump (CO5)  
 Q.32 Explain about DCP tender (CO5)  
 Q.33 Explain the function of jumping cushion (CO4)  
 Q.34 Explain Testing of Hose fittings. (CO5)  
 Q.35 Why the water is not used in electric fire. (CO1)

#### SECTION-D

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

- Q.36 Explain about different types of ladders used in fire fighting. (CO6)  
 Q.37 Explain the principle consideration of various methods of water relay. (CO7)  
 Q.38 Explain various foam making equipments.

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**4th Sem / Branch : Fire Tech & Safety**

**Subject:- Fire Equipment & Machinery**

Time : 3Hrs.

M.M. : 100

#### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Which material is used for solid material fire (CO2)  
 a) Water b) CO<sub>2</sub>  
 c) Foam d) Wet chemical
- Q.2 Cream coloured band is used for (CO2)  
 a) Water b) Dry powder  
 c) Foam d) CO<sub>2</sub>
- Q.3 Which material can catch fire easily (CO1)  
 a) Glass b) Brick  
 c) Plastic d) None of above
- Q.4 Class A material do not include (CO2)  
 a) Wood b) Plastic  
 c) Paper d) Propane gas
- Q.5 Which is fire friendly air (CO1)  
 a) O<sub>2</sub> b) CO<sub>2</sub>  
 c) CO d) All of above

- Q.6 Which air doesn't help in catching fire (CO2)  
 a)  $\text{CO}_2$  b)  $\text{O}_2$   
 c)  $\text{CH}_4$  d) None
- Q.7 Aluminium can be classified under which category (CO3)  
 a) A b) B  
 c) C d) D
- Q.8 Which is never used in electric fire (CO1)  
 a) Water b)  $\text{CO}_2$   
 c) Powder d) All of above
- Q.9 The emergency number of fire brigade is (CO6)  
 a) 145 b) 102  
 c) 101 d) 220
- Q.10 Who is responsible for fire safety (CO1)  
 a) General Manager b) Supervisor  
 c) Everyone d) No one

### SECTION-B

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

- Q.11 Expand BA in fire services. (CO8)
- Q.12 Expand TTL (CO5)
- Q.13 \_\_\_\_\_ color flame has highest temperature. (CO1)
- Q.14 What is the use of hook ladder. (CO6)

- Q.15 Fires are divided in \_\_\_\_\_ classes (CO1)
- Q.16 What do you mean by primary of pump? (CO5)
- Q.17 Face mask is used for \_\_\_\_\_ (CO8)
- Q.18 What is the purpose of fire extinguisher? (CO1)
- Q.19 Expand DCP (CO5)
- Q.20 Expand ISI (CO3)

### SECTION-C

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

- Q.21 What are specifications of extinguisher? (CO1)
- Q.22 Discuss about use of oxyacetylene cutting set. (CO8)
- Q.23 What are water requirement as per IS specifications. (CO7)
- Q.24 Write in brief about care of foam making equipments (CO2)
- Q.25 What is the principle of  $\text{CO}_2$  water type extinguisher. (CO1)
- Q.26 Explain about Hydraulic platform. (CO7)
- Q.27 Discuss the working of Chain Saw. (CO4)
- Q.28 Explain extension ladder working. (CO6)
- Q.29 Explain the repair of Hose fitting. (CO3)