

- Q.29 Write in brief about care of foam making equipments. (CO-1)
- Q.30 What is the principle of CO<sub>2</sub> water type extinguisher. (CO-1)
- Q.31 Explain about hydraulic platform. (CO-7)
- Q.32 What is the use of ladder? (CO-6)
- Q.33 Explain testing of Hose and Hose fittings. (CO-5)
- Q.34 Discuss the specifications of Pumps. (CO-5)
- Q.35 Write about class B Foam. (CO-2)

#### SECTION-D

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

- Q.36 Describe the construction and working of BA set in fire service. (CO-8)
- Q.37 Explain about different types of ladders used in fire fighting. (CO-8)
- Q.38 Explain the principle consideration of various methods of water relay in brief. (CO-7)

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Roll No.....

4th Sem, Branch : Fire Tech & Safety

Subject : Fire Equipment & Machinery

Time : 3 Hrs.

M.M. : 100

#### SECTION-A

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

- Q.1 Which material can catch fire easily? (CO-1)  
a) Glass                          b) Brick  
c) Wood                            d) All of above
- Q.2 Who is responsible for fire safety? (CO-1)  
a) Everyone                      b) General Manager  
c) Supervisor                    d) None
- Q.3 Which air helps in catching fire (CO-1)  
a) Carbon dioxide                b) Carbonmono oxide  
c) Oxygen                         d) All of above
- Q.4 Aluminium can be classified under which category (CO-3)  
a) A                                b) B  
c) C                                d) D
- Q.5 Class A material do not include (CO-3)  
a) Wood                            b) Propane  
c) Plastic                         d) Paper

Q.6 Dry powder fire extinguisher can be found with a \_\_\_\_\_ band above it. (CO-5)

- a) Yellow
- b) Blue
- c) Black
- d) Cream

Q.7 Which air does not help in catching fire (CO-1)

- a) CO<sub>2</sub>
- b) C<sub>2</sub>H<sub>2</sub>
- c) CH<sub>4</sub>
- d) All of above

Q.8 The emergency number of fire brigade is (CO-6)

- a) 14.5
- b) 102
- c) 101
- d) 200

Q.9 Which is never used in electric fire? (CO-1)

- a) Powder
- b) CO<sub>2</sub>
- c) Water
- d) None

Q.10 Which material is used for solid material fire (CO-1)

- a) CO<sub>2</sub>
- b) Water
- c) Foam
- d) Wet chemical

### SECTION-B

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

Q.11 Expand BA in fire service. (CO-8)

Q.12 Fires are divided in four classes (A, B, C, D).  
(True/False) (CO-1)

Q.13 Class A fires involve flammable liquids  
(True/False) (CO-1)

Q.14 Expand TTL. (CO-5)

Q.15 What do you mean by primary of pump? (CO-5)

Q.16 What is the purpose of fire extinguisher. (CO-1)

Q.17 \_\_\_\_\_ colour flame has highest temperature. (CO-1)

Q.18 Face mask is used for \_\_\_\_\_. (CO-8)

Q.19 \_\_\_\_\_ is the function of chain Saw. (CO-4)

Q.20 What is the use of hook ladder? (CO-6)

### SECTION-C

**Note:** Short answer type questions. Attempt any Twelve question put of fifteen questions. (12x5=60)

Q.21 Explain the function of jumping cushion. (CO-6)

Q.22 Write about recharging of fire extinguishers. (CO-1)

Q.23 Explain ABC extinguisher. (CO-1)

Q.24 Explain about DCP tender. (CO-5)

Q.25 What are specifications of extinguishers. (CO-1)

Q.26 What are water requirement as per IS specifications?  
(CO-7)

Q.27 Discuss about use of Oxyacetylene cutting set.  
(CO-8)

Q.28 why the water is not used in electric fire? (CO-1)