

BG-104

May-2015

B.Sc. (Fire & safety), Sem.-II

CC-202 : Fire Fighting Equipment

Time : 3 Hours]

[Max. Marks : 70

1. (a) Classification of Fire fighting system based on fire fighting accessibility. **7**

OR

Write down the advantages and disadvantages of Gas based fire fighting system.

- (b) Explain CO₂ Extinguisher. **7**

OR

Explain about the short notes on “DISCHARGE TEST” of extinguisher.

2. (a) Write short notes on “SUCTION HOSE”. **7**

OR

List out the points on care and maintenance of hose.

- (b) Give a short description on following : (Both) **7**

- (1) Standard branch with figure
(2) Revolving branch with figure

OR

Give a short description on following (any **two**)

- (1) Fog nozzle
(2) Diffuser branch with figure
(3) Triple purpose branch

3. (a) List out the function of valve. **7**

OR

Write a notes on limitation of GATE VALVE.

- (b) Write a notes on advantages, limitation and use of ball valve. **7**

OR

Draw a neat and clean figure of any one valve which is used in hydrant system.

4. (a) Define the following test of ladder : 7
- (1) Deflection Test
 - (2) Side test
 - (3) Round test

OR

Short notes on “Aluminum Anchoring Slab HOOK Ladder”.

- (b) Write four types of B.A set and definition on it. 7

OR

Draw a neat and clean figure of B.A set.

5. Short question : 14

- (1) Fire Extinguisher is a semi fix type fire fighting equipment (True/False)
 - (2) The GAS based fire extinguish system can not be used in open area (True/False)
 - (3) Which extinguish media is used in fire Bucket ?
 - (4) What is fire Triangle ?
 - (5) Definition on smothering and starvation.
 - (6) Heat and Smoke Detector is _____system (Active/Passive)
 - (7) Give three names of part of extinguisher.
 - (8) Give names of two type of Hose.
 - (9) Give names of parts of hose reel (any three).
 - (10) Direct sun-light at storage place damage the hose (True/False)
 - (11) LUGS/RELEASE is a part of MALE coupling (True/False)
 - (12) Use of HOSE RAMP.
 - (13) Foot valve fitted in pipe at the top (True/False)
 - (14) Is code of aluminum extension ladder ?
- _____