

Seat No. : _____

MU-108

March-2019

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

CC-202 : Fire Fighting Equipments

Time : 2:30 Hours]

[Max. Marks : 70

1. (a) (1) Briefly explain powder based Fire Fighting System & their advantage & disadvantage ? 14
(2) Write down classification of fire fighting system based on fire fighting accessibility and explain any one ?

OR

- (b) (1) Explain Chemical Foam extinguisher with advantages & disadvantages.
(2) Write down the format for maintenance of recording of fire extinguisher.

- (c) MCQ. Any 4 out of 6. 4
(1) What is full form of TRA ?
(2) The TLV for H₂S gas is _____ 5 ppm, 10 ppm, 15 ppm, 20 ppm
(3) CO₂ cartridge is made from cast iron. (True or False)
(4) Length of siphon tube is _____ inches. (15, 20, 18, 22)
(5) I.S. Code for Mechanical Foam Extinguisher.
(6) B.S. Code _____ for CO₂ Extinguisher.

2. (a) (1) Write down the function of the Valve. Explain any of one. 14
(2) Name any three types of ladder with any five uses of ladder.

OR

- (1) Explain alluminium extension ladder with figure.
(2) Draw the B.A. set & explain it's part.

- (b) MCQ. Any 4 out of 6. 4
(1) Total length of extension ladder _____.
(2) Valve are made from stainless steel. (True or False)
(3) Human inhale oxygen _____ Litre in one minute.

- (4) IS Code for Nylon Bandage is _____.
- (5) Hydrant line is painted with _____ Color.
- (6) _____ valve is used in the section line of the pump.
3. (a) (1) List out any 20 equipments kept in the fire tender. 14
 (2) List out the accessory which is provided with fire tender.
- OR**
- (b) (1) Write down the check points on the start of the duty/fire call/drill/testing for the fire tender.
 (2) What are the points should be observed during the parking and operation of vehicles at fire ?
- (c) MCQ. Any 3 out of 5. 3
- (1) A good fire fighting hose should be unflexible. (True or False)
 (2) Strainer is part of suction hose fitting. (True or False)
 (3) Dimension & shape shall be same for hose clamp & hose bandage. (True or False)
 (4) I.S. Code for Hose Reel Hose is _____.
 (5) I.S. Code for Section Hose is _____.
4. (a) (1) Explain the Collecting Breeching with figure. 14
 (2) Write down Section Hose fittings. Explain any of one.
- OR**
- (b) (1) List out type of Nozzles.
 (2) Write down steps of care & maintenance of hoses.
- (c) MCQ. Any 3 out of 5. 3
- (1) Fire vehicle should be park on a _____ ground.
 (2) _____ basket strainer is used. (Section, Delivery, Hose Reel)
 (3) Minimum weight is _____ kg. of Sledge Hammer.
 (4) The Hose bandage shall consist of _____ binding. (nylon, rubber, canvas)
 (5) The nominal diameter of hose shall be _____ mm.
- _____