

Seat No. : _____

ND-129

December-2015

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

CC : Salvage & Fire Safety Laws

Time : 3 Hours]

[Max. Marks : 70

1. (a) Explain the concept of salvage. 7

OR

In planning stage, what are the points must be considered for salvage work ?

(b) Why salvage work is important and explain the objectives of salvage work. 7

OR

Explain salvage work with its three phases.

2. (a) List out 15 equipments used in salvage operation. 7

OR

Give types of salvage covers and explain one in detail.

(b) Explain the term “Damming and Removal of Water”. 7

OR

Explain the term “Reducing smoke damage”.

3. (a) Explain in brief “The Petroleum Act”. 7

OR

Explain “Marking on Cylinders” as per Gas Cylinder Rule.

(b) List out the point must consider for storage of gas cylinder as per Gas Cylinder Rule. 7

OR

Define the term – “Fire Vehicle”, “Foam”, “Foam Tender”, “DCP Tender”, “Foam nurser”, “ERT”, “Water Tender”.

4. (a) Explain the general exit requirements as per The Life Safety Code. 7

OR

Explain the conditions for erection of temporary pandals.

- (b) Explain Emergency Lighting System as per The Life Safety Code. 7

OR

Explain examination of films as per The Cinematography Act, 1992.

5. Short Questions : 14

- (1) What is ventilation ?
- (2) Main ingredients of salvage area.
- | | |
|---------------|--------------|
| (a) Discovery | (c) Disposal |
| (b) Recovery | (d) None |
- (3) For protecting valuable goods what is not considered ?
- | | |
|--------------------|--------------------|
| (a) Removability | (c) Damageability |
| (b) Combustibility | (d) Convertibility |
- (4) These equipments are not used in salvage.
- | | |
|-------------|----------------|
| (a) Augur | (c) Pollies |
| (b) Dollies | (d) Pigeon bar |
- (5) Which OISD standard gives guidelines on firefighting equipment ?
- | | |
|---------|---------|
| (a) 114 | (c) 116 |
| (b) 115 | (d) 117 |
- (6) Which is the IS code for Water Monitor ?
- | | |
|----------|----------|
| (a) 8441 | (c) 8443 |
| (b) 8442 | (d) 8444 |
- (7) What is the length of PVC pipe for foam on water cum foam monitor ?
- | | |
|-------------|-------------|
| (a) 1 metre | (c) 3 metre |
| (b) 2 metre | (d) 4 metre |

- (8) What is full form of CCE ?
- (9) If the tank dia is 24 metre, how many foam pourers are to be provided ?
- (a) 1 (c) 3
(b) 2 (d) 4
- (10) For total flooding of CO₂, CO₂ quantity per cubicmeter for 50% concentration should be
- (a) 1.3 kg (c) 1.5 kg
(b) 1.4 kg (d) 1.6 kg
- (11) Fire Service Act has come into existence in _____.
- (a) 1947 (c) 1950
(b) 1948 (d) 1975
- (12) “Valuable items should be covered by salvage sheet” is a part of
- (a) Phase I (c) Phase III
(b) Phase II (d) All of them
- (13) In Phase II, what should be done ?
- (a) Use minimum firefighting media
(b) Use excessive firefighting media
(c) Do not use firefighting media
(d) None of them
- (14) Effective salvage operation can _____.
- (a) Increase damage (c) Both (a) and (b)
(b) Reduce damage (d) None of them
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