

Seat No. : _____

N25-120

December-2014

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

Fire Protection System

Time : 3 Hours[

[Max. Marks : 70

1. (A) List out the Limitation of various type of Extinguisher. 7

OR

List out the characteristics of Dampers.

- (B) Describe brief introduction about Fire Blanket and list out its use and its classification. 7

OR

Write a short note on Passive Fire Protection System.

2. (A) Write a short note on Dry Riser. 7

OR

Write a short note on Electrical Test of Piping.

- (B) Basic requirement of Wet Riser as per NBC rules. 7

OR

What is Radiographic ? Explain briefly.

3. (A) What is the different between Hydrant system and sprinkler system. 7

OR

Write brief on Operation of Wet Alarm valve ?

- (B) Write a short note on Deluge valve. 7

OR

Describe about different type of sprinkler head.

4. (A) What are the Usage of Total Flooding System. 7

OR

Why FM-200 suppression system are used ?

- (B) Out Line of Advantages of Inergen. 7

OR

Out Line of Limitation of Carbon Dioxide.

5. Short Questions : 14

- (1) What is integrity of Fire doors ?
 - (2) Hydro test of carbon dioxide is _____.
 - (3) What is the minimum mass of fire blanket ?
 - (4) Hose Reel Hose's nozzle made of _____.
 - (5) Fire Hydrant system should be designed in_____.
 - (6) The fire pumps should be capable of furnishing not less than _____ of rated capacity at a head of not less than _____ of the rated head.
 - (7) It should be noted that the lowest size of pipe in any hydrant system should not be below_____ dia.
 - (8) What would be the location of hydrant ring in low hazards from building ?
 - (9) What is the frequency of maintenance of engine Drive ?
 - (10) Experimental formula is _____.
 - (11) What is the work of Jockey pump ?
 - (12) List out at-least 4 damages to piping.
 - (13) What is the fixed temp, of yellow colour sprinkler ?
 - (14) Why drencher systems are used ?
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