

**DIPLOMA IN FIRE SAFETY MANAGEMENT
(DFSTYM)**

Term-End Examination

June, 2013

**BSE-042 : FIRE PROTECTION AND WATER
BASED FIRE SUPPRESSION EQUIPMENT**

Time : 3 hours

Maximum Marks : 75

Note : Question No. 1 is compulsory and attempt any seven questions from q.no 2 to q.no 9.

1. Write *true* or *false* against each statement. 1x5=5
 - (a) Mechanical foam bubbles contain air.
 - (b) Foam cannot be produced without foam making equipment.
 - (c) In-line Induction induced foam compound into water stream.
 - (d) Water remain fully changed under pressure in wet Risen System.
 - (e) Acid does not damage the delivery hoses.

2. Define Fire. Explain different methods of Extinguishing fires. 10

3. What do you mean by Smoke ? What types of equipments to be used to enter in smoke filled room ? 10

4. What do you mean by Hydrant, types of hydrants ? Explain any one type of hydrant with sketch. 10
 5. Explain three types of portable fire extinguishers and what is the importance of fire extinguishers ? 10
 6. Explain main reasons of decay of Hoses. What is difference between delivery hoses and suction hoses and write down their diameter ? 10
 7. Make a clean and neat diagram of CO₂ type of Fire Extinguisher. Explain its advantages and disadvantages. 10
 8. What are the Mechanical Foam making equipments used in fire service ? Explain their system. 10
 9. Classify the Fire Extinguishers. Explain the care and maintenance of any one of them. 10
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