

C97/CFM102/EE/20160519

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) Classify fire along with suitable extinguishing media and examples. 5
 - b) What are the methods of fire extinguishing? Explain smothering method. 5
 - c) What are the procedure of Transmission of heat? Explain any one. 5
 - d) Draw diagram of mechanical foam extinguisher and label its parts. 5
 - e) Explain refilling procedure for water CO₂ extinguisher. 5

2. Solve any **four** sub-questions.
 - a) Explain Hydraulic pressure test for water CO₂ extinguisher. 5
 - b) Describe Physical and Chemical properties of Carbon dioxide gas. 5
 - c) List out different foam making equipment and their uses. 5
 - d) Describe storage procedure of foam compound. 5
 - e) How is Line inductor operates? 5

3. Solve any **four** sub-questions.
- a) What are the parts associated with face mask with their function? 5
 - b) Explain Pre-entry test of SCBA. 5
 - c) What are the material used for the Construction of Rope? 5
 - d) Explain causes of deterioration of Rope. 5
 - e) Write grouping of Small gears with example of each groups. 5
4. Solve any **four** sub-questions.
- a) Explain different types of fire beater. 5
 - b) What do you know about rescue gears? Write any five rescue gears with their purpose. 5
 - c) Write general Care and Maintenance of SCBA. 5
 - d) Describe donning procedure of SCBA. 5
 - e) Write general Care and Maintenance of Rope. 5

