

C97/CFM103/EE/20160520

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) What are the types of hose? Explain Delivery hose. 5
 - b) What are the characteristics of Suction hose? 5
 - c) Write general Care and Maintenance of Suction hose. 5
 - d) Write details about Suction hose couplings. 5
 - e) What are the difference types of branches? 5

2. Solve any **four** sub-questions.
 - a) Write a short note on Collecting head. 5
 - b) Describe different types of Adaptors. 5
 - c) Write details about first floor ladder. 5
 - d) Explain Round test of extension ladder. 5
 - e) Write general Care and Maintenance of Extension ladder. 5

3. Solve any **four** sub-questions.
- a) Define Pump and write different types of pump used in fire service. 5
 - b) Write the working operation of centrifugal pump. 5
 - c) What are the standard test for pump? Explain any one. 5
 - d) Explain Reciprocating Primer. 5
 - e) What are the types of hydrant? Explain any one. 5
4. Solve any **four** sub-questions.
- a) Explain typical pump house and hydrant water supply arrangement. 5
 - b) Write a short note on B type Water tender. 5
 - c) Write the purpose of mobile Control van and Canteen van. 5
 - d) What do you know about dry Powder tender? 5
 - e) Explain five-way-valves for B type water tender. 5

