

## P97/FHS102/EE/20160512

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.
- 

1. Solve any **four** sub-questions.
  - a) Write disadvantages of Dry Chemical Powder. 5
  - b) What do you understand by radiation procedure? 5
  - c) How mechanical foam extinguishes fire? 5
  - d) Difference between slow and active combustion. 5
  - e) How heat is transmitted in gases? 5
2. Solve any **four** sub-questions.
  - a) What are the types of combustion? 5
  - b) Write advantages of CO<sub>2</sub> use as an extinguishing agent. 5
  - c) Explain triangle of fire. 5
  - d) What is Fire? What are its types? 5
  - e) What do you understand by conduction? 5

3. Solve any **four** sub-questions.
- a) What do you understand by Oxidation? 5
  - b) Write down different methods of transfer of heat. 5
  - c) Discuss flammability range. 5
  - d) What are aliphatic hydrocarbons? 5
  - e) Write characteristics of fire fighting foam. 5
4. Solve any **four** sub-questions.
- a) Describe tetrahedron of fire. 5
  - b) How heat is transmitted in liquids? 5
  - c) Classify fire by materials with suitable examples. 5
  - d) Write the process of starvation. 5
  - e) Explain smoldering fire. 5

