

# P96/FSE101/EE/20160518

Time : 3 Hours

Marks : 80

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## 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 do you understand by Zones of Combustion? 5
  - b) How heat is transmitted in gases? 5
  - c) Write different types of combustion. 5
  - d) Explain triangle of fire extinguishment. 5
  - e) Describe smothering effect. 5
  
2. Solve any **four** sub-questions.
  - a) Write different types of foam compounds. 5
  - b) Write arrangements provided in alternate wet and dry pipe system. 5
  - c) Explain operation of pre-action FFFI. 5
  - d) What do you understand by domino and reverse domino effect? 5
  - e) Write the significance of alarm gong in pipe systems. 5

3. Solve any **four** sub-questions.
- a) Write general Care and Maintenance of portable fire extinguishers. 5
  - b) Draw well labelled diagram of DCP type portable fire extinguisher. 5
  - c) List out different types of Fire Extinguishers with their IS code. 5
  - d) Write quarterly maintenance of CO<sub>2</sub> type fire extinguisher. 5
  - e) How mechanical foam extinguishes fire? 5
4. Solve any **four** sub-questions.
- a) Write advantages and disadvantages of CO<sub>2</sub> use as an extinguishing medium. 5
  - b) Define Tetrahedron of fire and chain reaction. 5
  - c) What do you understand by convection procedure? 5
  - d) What are types of Combustion? Give examples. 5
  - e) What are Alkali Metals? How will you extinguish such fires? 5

