

# P96/FSE102/EE/20160519

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) List out different types of fire service pump with their pumping capacities. 5
  - b) What are the types of foam compound? 5
  - c) What are the types of Hydrant? 5
  - d) What are the types of Breathing Apparatus set? 5
  - e) What are the types of ladders use in fire services? 5
  
2. Solve any **four** sub-questions.
  - a) What are the different types of fire fighting Hoses? 5
  - b) How will you maintain delivery Hoses? 5
  - c) What are the different types of fire fighting Branches? 5
  - d) Write the significance of Collecting Head? 5
  - e) What are the natural fibres used in rope construction? 5

3. Solve any **four** sub-questions.
- a) Write a note on Fireman axe. 5
  - b) Write the different uses of a ceiling hook. 5
  - c) Discuss about Hook ladder. 5
  - d) Write general Care and Maintenance of SCBA. 5
  - e) Draw a sketch of Sluice Valve type fire hydrant. 5
4. Solve any **four** sub-questions.
- a) Write characteristics of fire fighting foam. 5
  - b) Write working principle of a centrifugal pump. 5
  - c) Describe storage of foam compound. 5
  - d) Write specifications of water tender type 'B' (IS-950). 5
  - e) What are the different types of breechings? 5

