

## P73/FSM106/EE/20160524

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) Explain design of Watch room. 5
  - b) List out different types of detectors. Explain any one of them. 5
  - c) What are the different types of frequency? Explain. 5
  - d) Why Wireless Communication is necessary in fire service? 5
  - e) Describe rescue procedure from river. 5
  
2. Solve any **four** sub-questions.
  - a) Write duties of control room operator. 5
  - b) Define Amplitude and Wavelength. 5
  - c) Describe the different methods of rescue from HRB of an injured person by a stretcher. 5
  - d) What are Radiation Detectors? Explain a fixed type of radiation detector. 5
  - e) Explain Running Call Facilities in Watch room. 5

3. Solve any **four** sub-questions.
- a) What are the difference between Simplex and Duplex Wireless Communication System? 5
  - b) Write general requirements for design construction of automatic fire detection. 5
  - c) Explain the different procedure for rescue from HRB by Fire service lines. 5
  - d) Write the qualities of Watch room operator. 5
  - e) List out Communication and general equipment in Watch room. 5
4. Solve any **four** sub-questions.
- a) Describe Care and Maintenance of detection and alarm unit. 5
  - b) Write difference between light scatter and obscuration type smoke detector. 5
  - c) Explain different type BA radio Communication. 5
  - d) What do you mean by Special Fire Service Call? 5
  - e) Discuss Watch room Procedure. 5

