

## P73/FSM101/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 is Lost Time Injury? 5
  - b) What are the disadvantages of foam used as a Extinguishing media? 5
  - c) What do you understand by plant safety inspection? 5
  - d) Write about the types of inspection in short. 5
  - e) What do you understand by Frequency Rate and Severity Rate? 5
2. Solve any **four** sub-questions.
  - a) How heat is transmitted in gases? 5
  - b) Explain triangle of fire Extinguishment. 5
  - c) Draw a well labelled diagram of DCP type portable fire extinguisher. 5
  - d) Write advantages of CO<sub>2</sub> type Extinguisher. 5
  - e) What are the types of Combustion? 5

3. Solve any **four** sub-questions.
- a) Differentiate between Slow and Active Combustion. 5
  - b) What are the limitations of Safety Audits? 5
  - c) What safety precaution taken by officer in JSA? 5
  - d) What are the various process involved in Safety Audit? 5
  - e) List the meaning of guided words used in 'HA20P' Study. 5
4. Solve any **four** sub-questions.
- a) Write disadvantage of DCP type Extinguisher. 5
  - b) What do you understand by radiation procedure? 5
  - c) What is the main function of a Safety Audit in Chemical Industry? 5
  - d) Write the necessity of Safety Audit. 5
  - e) How mechanical foam Extinguisher Extinguish fire? 5

