

P97/FHS202/EE/20160513

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.
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1. Solve any **four** sub-questions.
 - a) Write fire prevention and protection facilities provided in Petrochemical and Refinery plant. 5
 - b) Write about the process of distillation of crude oil. 5
 - c) Write types of different storage tanks in refineries. 5
 - d) Explain LPG Bottling process flow. 5
 - e) What do you mean by UVCE and BLEVE? 5
2. Solve any **four** sub-questions.
 - a) Write the causes of rural fires. 5
 - b) Discuss the effects of radiations on a Human Body. 5
 - c) What are the guidelines for personal safety of fireman while attending ship fires? 5
 - d) What are the types of fuel and their storage tanks used in aircrafts? 5
 - e) Write a note on 'Fires in Railway tunnels'. 5

3. Solve any **four** sub-questions.
- a) Write the aspects for rural areas fire preventions. 5
 - b) Write general classification of explosives. 5
 - c) Write preventions for internal radiation hazards. 5
 - d) Explain about the General Cargo Ship. 5
 - e) Discuss preventive measures for tank farm areas of refinery. 5
4. Solve any **four** sub-questions.
- a) Write the different types of rural fires. 5
 - b) Write the difficulties for tackling rural and forest fires. 5
 - c) Discuss causes of explosives fires. 5
 - d) What do you understand by time distance and shielding in radiation hazards? 5
 - e) What is contamination and de-contamination? 5

