

P96/FSE104/EE/20160522

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.
-

1. Solve any **four** sub-questions.
 - a) Discuss fire prevention and fire protection facilities in petrochemical plant. 5
 - b) Explain distillation of crude oil in refineries. 5
 - c) What are the different types of storage tanks used in refineries? 5
 - d) Write process flow in LPG Bottling plant. 5
 - e) Explain U.V.C.E. and B.L.E.V.E. 5

2. Solve any **four** sub-questions.
 - a) What are the causes of rural fires? 5
 - b) What are the effects of radiations on Human Body? 5
 - c) Explain personnel safety guidelines for firemen while attending ship fires. 5
 - d) Discuss type of fuel and the storage tanks used in an aircraft. 5
 - e) Describe procedures to be followed in railway tunnels under fire. 5

3. Solve any **four** sub-questions.
- a) Discuss different necessary aspects to be followed in rural areas for fire prevention. 5
 - b) State general classification of explosives. 5
 - c) Write preventive measures to be taken for internal radiation hazard. 5
 - d) Discuss about general cargo ship. 5
 - e) Write preventive measures for tank farm area of refinery. 5
4. Solve any **four** sub-questions.
- a) What are the types of fires involved in rural areas? 5
 - b) Write difficulties that may occur during rural and forest fires. 5
 - c) Write causes of explosive fires. 5
 - d) What do you understand by Time, Distance and Shielding in case of radiation Hazard? 5
 - e) What is Contamination and decontamination procedures? 5

