

P48/HSC269/EE/20160523

Time : 3 Hours

Marks : 80

Instruction :

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 concept of fire and fire triangle. 5
 - b) Explain fire extinguishing methods. 5
 - c) Explain different type of portable fire extinguishers. 5
 - d) Explain different safety precaution followed in Underground / Excavation work. 5
 - e) Explain type of Accidents / Incidents and purpose of the accident investigation. 5
2. Solve any **four** sub-questions.
 - a) Explain different benefits of good housekeeping. 5
 - b) Draw some safety signage's / symbols provided for the hazards identify? 5
 - c) Explain different types of work permits. 5
 - d) Explain different effective steps for control static charge generation. 5
 - e) Give general safety precaution taken in welding operation. 5
3. Solve any **four** sub-questions.
 - a) Definition of first aid, what first aid given in case of burn injury. 5
 - b) Explain term Mock drill and purpose of the Mock drill and its frequency. 5
 - c) Give some common causes of the electrical fire. 5

- d) Give definition of Emergency and its type. Explain role of safety squads and first aiders in emergency. 5
- e) Explain safety precautions followed in Confined Space. 5

4. Solve any **four** sub-questions.

- a) Explain importance of the work permit system. 5
- b) Explain different safety precaution taken before start the hot work in plant. 5
- c) Explain your role in emergency. 5
- d) Explain the purpose of the Public Address System (PAS), Manual Call Point, Hooter, Speaker, Emergency Exits, Assembly point. 5
- e) Explain what different steps taken after the instruction of evacuation. 5

