

Register Number :

Name of the Candidate :

**7 2 7 3**

**DIPLOMA EXAMINATION, 2010**

**( FIRE AND SAFETY )**

**( PAPER - III )**

**130. SAFETY IN CONSTRUCTION  
ACTITIVIES**

December ]

[ Time : 3 Hours

Maximum : 100 Marks

**PART - A** (3 ×20= 60)

*Answer any THREE questions.*

*All questions carry equal marks.*

1. Explain high risk activities and safe work procedures at construction sites.
2. 'Sound scaffolding is essential to safety in construction.' - Discuss.
3. Explain the main hazards in medium and large scale excavations and mention safe work procedures.

**Turn Over**

4. Explain how you will organise a heavy load lifting and handling using a TOWER CRANE. Also, discuss its erection and dismantling hazards.
5. Explain the various types of works causing metal fumes and pigment dusts from welding brazing, cutting and paint spraying and safe operational procedures.

**PART - B** (4 ×10= 40)

*Answer any FOUR questions.*

*All questions carry equal marks.*

6. Explain the works carried out using “power tools” in construction sites and their hazards and safe procedures.
7. Discuss ‘electrical hazards’ at a construction site.
8. Describe the safety of ladders and platforms used at a construction site.
9. Describe the basic safety systems and procedures to be organised at a construction site.

10. Describe the manual handling works in a construction site and safety practices to be adopted.
11. What are the jobs that cause AIR BORNE health hazards at construction site and how to control them ?
12. Explain the check points to good house-keeping in a construction site and their benefits.