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8002

Register Number:

Name of the Candidate:

DIPLOMA EXAMINATION, December 2014

(FIRE AND SAFETY)

130. SAFETY IN CONSTRUCTION ACTIVITIES

Time: Three hours

Maximum marks : OR -100

NR -75

SECTION-A

(3 × 20 = 60)

Answer any THREE questions.

1. Write short notes on
 - a) Scaffoldings
 - b) Ladders
 - c) Types of Scaffoldings
2. Write short notes on the following with figures
 - a) Hoists
 - b) Winches
 - c) Crane
3. Write a detailed note on the following with diagram.
 - a) Earth movers
 - b) Any one machinery in excavation work
4. Write a detailed note on safety measures & precautions to be taken care in case of
 - a) Sandblastings and
 - b) Drillings
5. Write short notes on hazardous areas, safety measures to be followed and precaution of accident methods.

SECTION-B

(4 × 10 = 40)

Answer any FOUR questions.

6. Write a note on the safety measures to be followed in working at heights.
7. Write a note on the design & load factors to be taken care of the in the fabrication of scaffoldings.
8. Write short note on the safety and precautionary measures to be followed in paint mixing operation.
9. What are the precautions to be taken in case of Excavation work?
10. Write down the precautionary measures to be followed in usage of jack hammers and cold cutting machines.
11. Write short notes on
 - a) Warning signs
 - b) Pneumatic tools
12. With a case study, describe any one accident / incident in case of construction activities.

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