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Register Number:

5599

Name of the Candidate:

B.Sc. DEGREE EXAMINATION, May 2015

(FIRE AND INDUSTRIAL SAFETY)

(FIRST YEAR)

(PART-III)

150: SAFETY IN CONSTRUCTION INDUSTRY

Time: Three hours

Maximum: 100 marks

SECTION-A

(5×4=20)

Answer any FIVE questions

1. State and explain the types of excavation.
2. Write down the hazards associated with sand blasting operation.
3. Define the following:
i) Bay ii) Bracing iii) Transform iv) Toe board
4. State the points to be considered for the selection of proper ladder for a job.
5. Compare between manual handling and mechanical handling of materials.
6. What are the precautions to be take in fork lift truck operations?
7. Explain the PPE's involved in manual handling of materials.
8. State the prerequisites for power tools.

SECTION-B

(4×20=80)

Answer any FOUR questions

9. Discuss in detail about the protections made against fall of persons from heights.
10. Write briefly about the hazards associated with welding process and explain the safety measures.
11. What are the different types of scaffold? Explain them in detail.
12. Explain the safety measures to be followed in the following:
i) Crane operation ii) Chains iii) Ropes
13. State and explain the risk associated with power tools and its safety measures.
14. Give a brief account on the following:
i) Safety in grinding ii) Safety in construction iii) Tools
15. Briefly explain about the hazards associated with mechanical handling of materials .
16. Describe in detail about the care and maintenance of power tools.
