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Register Number :

7948

Name of the Candidate :

DIPLOMA EXAMINATION MAY 2015.

(CONSTRUCTION MANAGEMENT)

530 — CONSTRUCTION EQUIPMENTS

Time : Three hours

Maximum : 100 marks

Answer ONE full question from each unit. (5 × 20 = 100)

UNIT - I

1. (a) Explain the various attachments fitted in motor graders. (10)
- (b) Explain in detail the Truch mounted water distributor. (10)

Or

2. Write in detail the various types of Rollers. (20)

UNIT - II

3. (a) Elaborate on the operation of power excavators with neat sketch. (10)
- (b) Explain briefly about power shores and hoes. (10)

Or

4. (a) Compare Trenching and Dredging. (10)
- (b) What are the factors that affect the output of a power shower? (10)

UNIT - III

5. (a) Explain the selection procedure of pile drivers. (10)
- (b) Write short notes on:
 - (i) Cranes
 - (ii) Derricks. (10)

Or

6. (a) Define pier and explain pier drilling equipment. (10)
- (b) Explain the Hoisting equipment used in pile driving operation. (10)

UNIT – IV

7. (a) Explain drainage by electro osmosis. (10)
- (b) Write short notes on:
- (i) Drum trucks
- (ii) Wagons. (10)

Or

8. (a) Describe about Hauling equipments. (10)
- (b) Write in detail about the conveyors and their types. (10)

UNIT - V

9. (a) Describe about concrete pumping equipment. (10)
- (b) Describe concrete pouring equipment. (10)

Or

10. Describe crusher with its types and explain the factors affecting the output of the crusher. (20)
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