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Register Number:

7198

Name of the Candidate:

DIPLOMA EXAMINATION, 2010

(CONSTRUCTION MANAGEMENT)

(PAPER-IV)

540. CONSTRUCTION TECHNIQUES AND METHODS

Dec]

[Time : 3 Hours

Maximum : 100 Marks

Answer ALL questions

(5×20=100)

UNIT-I

1. a) Explain the construction procedure for a composite construction with steel beams. (10)
b) Distinguish between drop slabs and lift slabs. (10)
(OR)
2. a) Describe the construction procedure for a beam and girder floors. (10)
b) Write in detail about the methods of utilization of reinforced masonry. (10)

UNIT-II

3. a) Compare the following;
i) Bundled Tube structure. (5)
ii) Braced Tube structure (5)
b) Elaborate on the construction procedure for rigid frame structure. (10)
(OR)
4. a) Explain in detail tubular structures. (10)
b) Give an account of the features and significance of suspended structures. (10)

UNIT-III

5. Write in detail about bow string and cable stayed bridge with a neat sketch. (20)
(OR)
6. a) Write in detail about successive launching. (10)
b) Give a detailed account of the techniques of the erection of bridges. (10)

UNIT-IV

7. a) Describe the vibration controlled foundation. (10)
b) Explain bored piles. (10)
(OR)
8. a) Differentiae between segmental piling methods and vibratory piling methods. (10)
b) Write short notes on
(i) Driven piles (5)
(ii) Piled rafts. (5)

UNIT-V

9. a) Explain the factors affecting the economy of form work. (10)
- b) Write short notes on
- (i) Cellular steel forms (5)
 - (ii) Flat forms (5)
- (OR)
10. a) Give an account of the materials used for framework and explain its requirements. (10)
- b) Explain forming and its types. (10)
