

Total No. of Pages : 2

Register Number :

**7949**

Name of the Candidate :

**DIPLOMA EXAMINATION MAY 2015.**

**(CONSTRUCTION MANAGEMENT)**

**540 — CONSTRUCTION TECHNIQUES AND METHODS**

Time : Three hours

Maximum : 100 marks

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

**UNIT – I**

1. (a) Distinguish between waffle slabs and lift slabs. (10)
- (b) Write notes on:
  - (i) Beamless flat slabs
  - (ii) Drop Slabs (5 + 5)

Or

2. Explain the utilization of reinforced masonry. (20)

**UNIT – II**

3. (a) Give the applications of hybrid structures and space structures. (10)
- (b) Compare the following:
  - (i) Wall structures
  - (ii) Wall frame structures. (10)

Or

4. (a) Compare shear wall structures with coupled shear wall structures. (10)
- (b) Give an account of the features and significance of space structures. (10)

**UNIT – III**

5. Explain the composite construction in bridges with neat sketches. (20)

Or

6. (a) Draw the different bridge structure neatly with its parts. (10)  
(b) Explain the features and significance of cantilever construction of a beam. (10)

**UNIT – IV**

7. (a) Explain in detail about the segmental piling methods. (10)  
(b) Explain driven piles. (10)

Or

8. Write an account on pile foundation with a neat sketch. (20)

**UNIT – V**

9. (a) Compare cantilever forming with flat forming. (10)  
(b) Describe the materials used in form works. (10)

Or

10. (a) Explain in detail about the factors affecting economy of form work. (10)  
(b) Describe the fundamentals of form design. (10)

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