

D 30960

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Name

Reg. No.



FIFTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION  
OCTOBER 2012

CE 09 506—BUILDING TECHNOLOGY—II

(2009 Scheme)

Time : Three Hours

Maximum : 70 Marks

*Answer all questions from Part A and  
any four questions from Part B and all questions from Part C.*

**Part A**

1. List out the uses of ramps.
2. What is meant by slip form construction ?
3. List out the various fire protection systems usually provided in buildings.
4. What do you mean by reverberation ?
5. List out the causes of failures in steel structures.

(5 × 2 = 10 marks)

**Part B**

6. Write a short note on arrangement and positioning of lifts.
7. Explain briefly about prefabricated construction.
8. Differentiate between soil pipe and ventilating pipe.
9. List out the important features of tropical climate.
10. Differentiate between Natural and Mechanical ventilation.
11. Write a short note on foundation failures.

(4 × 5 = 20 marks)

**Part C**

12. List out the type of elevators and explain any one in detail. Also add a short note on expansion joints.

*Or*

Write short notes on :

- (a) Welding and riveting.
- (b) Reinforced concrete beams.

13. Write short notes on :

- (a) Fire load.
- (b) Fire resisting properties of materials.

*Or*

**Turn over**

Write short notes on :

- (a) Antisiphonage pipe.
- (b) One pipe system.
- (c) Single stack system.

14. Write short notes on :

- (a) Different types of airconditioning systems.
- (b) Acoustic requirements of an Auditorium.

*Or*

Explain briefly about the principles, materials and methods of thermal insulation.

15. Write short notes on :

- (a) Building Configuration.
- (b) Rat-trap bond masonry.

*Or*

Write short notes on :

- (a) Buttreassing.
- (b) Causes of failure in R.C.C. Structures.

(4 × 10 = 40 marks)