

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014**Eighth Semester**

Branch : Civil Engineering

BUILDING TECHNOLOGY AND MANAGEMENT (C)

(Old Scheme—Prior to 2010 Admissions)

[Supplementary/Mercy Chance]

Time : Three Hours

Maximum : 100 Marks

Part A

*Answer all question.
Each question carries 4 marks.*

1. Write a note on American standards of mix design.
2. Explain shoring.
3. Explain the advantages of prefabricated construction.
4. Explain the uses of Ferro-cement
5. Explain the responsibilities of a civil engineer.
6. Write short notes on safety in construction.
7. Explain the phases in project scheduling.
8. Explain the difference between cost plus percentage contract and cost plus fixed fee contract.
9. Write short note on claims.
10. Write short note on voidable contracts.

(10 × 4 = 40 marks)

Part B

*Answer all questions.
Each question carries 12 marks.*

11. (a) Explain fiber reinforced concrete and high performance concrete.
Or
(b) Explain requirements and tests of materials required for mix design.
12. (a) Explain the manufacturing process for structural units.
Or
(b) Explain value engineering.

Turn over

13. (a) Explain the functions of construction management.

Or

(b) Explain the organization of labour, materials and resources.

14. (a) Explain various inventory control techniques.

Or

(b) Explain item rate contract, lump-sum contract and negotiated contract.

15. (a) What are contract documents? Explain.

Or

(b) Write short note on :

(i) Earnest money.

(ii) Discharge of contract.

(iii) Security deposit.

(5 × 12 = 60 marks)

