

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

Branch : Civil Engineering

CE 010 802 – BUILDING TECHNOLOGY AND MANAGEMENT (CE)

(New Scheme–2010 Admissions)

[Regular]

Time : Three Hours

Maximum : 100 Marks

**Part A***Answer all questions.**Each question carries 3 marks.*

1. Explain the common faults in formwork.
2. Explain the use and application of Ferro cement.
3. Briefly explain the different types of organizational set up.
4. Explain the functions of material management.
5. How is the validity of an oral agreement established?

(5 × 3 = 15 marks)

**Part B***Answer all questions.**Each question carries 5 marks.*

6. Write short note on manufacturing process for structural units.
7. What is meant by Technical Planning?
8. Explain the importance of inspection and quality control in construction.
9. What is meant by inventory control Technique?
10. When one party breaches contracts, what are the remedial measures to be taken to safeguard the work?

(5 × 5 = 25 marks)

**Part C***Answer all questions.**Each full question carries 12 marks.*

11. Explain IS method for Mix design.

Or

Turn over



12. You are required to design a mix with given set of materials. Explain the various test conducted in laboratory and why.
13. Explain with neat sketch methods of production in prefabricated construction.

Or

14. Explain Cost time analysis in Network Planning.
15. Explain the objectives of Civil Engineering Management.

Or

16. Explain Safety laws and measures in construction.

17. Write notes on :

- (a) Item wise contract.
- (b) Lump sum contract.
- (c) Percentage contract.

Or

18. Explain the following :

- (a) Cost plus percentage contract.
- (b) Cost plus fixed fee contract.
- (c) Cost plus fluctuating fee contract.

19. Explain the various components of contract documents.

Or

20. Explain :

- (a) Security amount.
- (b) EMD.
- (c) Warranty periods.

(5 × 12 = 60 marks)

