



CE 3003

**III Semester B.Tech. in Civil Engineering Examination, August 2011
CONSTRUCTION TECHNIQUES**

Time : 3 Hours

Max. Marks : 75

Instruction : Answer any five questions from Part – A and Part – B.

PART – A

Answer **any five** questions :

(5×5=25)

1. Explain about site clearance.
2. Briefly describe the erection of frames.
3. Describe about dewatering.
4. Briefly explain the construction of transmission tower.
5. Write about girder section design.
6. Explain the cable zone.
7. What does mean the term materials assessment ?
8. Explain in detail about the factors affecting mix design.

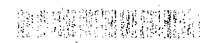
PART – B

Answer **any five** questions :

(5×10=50)

9. Explain with neat sketches the different types of shell roofs.
 10. Describe the techniques of Box jacking.
 11. Give an account on under water construction.
 12. Explain the construction sequences of cooling tower.
 13. Describe the various methods of repairing of concrete works.
 14. Explain the process of restoration of a damaged building.
 15. Name the equipments required for building concreting and explain in detail them.
 16. Describe a batching plant with sketch for production of mass concrete work indicating the various equipments required for the plant.
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III Semester B.Tech in Civil Engineering Examination, August 2011
CONSTRUCTION TECHNOLOGY

Max. Marks: 75

Time: 3 Hours

Instruction: Answer any five questions from Part - A and four from Part - B.

PART - A

(5x5=25)

- Answer any five questions:
1. Explain about site location.
 2. Briefly describe the working of formwork.
 3. Describe about levelling.
 4. Briefly explain the construction of mass retention tower.
 5. Write about girder section design.
 6. Explain the capex zone.
 7. What does mean the term materials assessment?
 8. Explain in detail about the factors affecting mix design.

PART - B

(4x10=40)

- Answer any four questions:
9. Explain with neat sketches the different types of shaft hoists.
 10. Describe the techniques of box jacking.
 11. Give an account on under water construction.
 12. Explain the construction sequence of cooling tower.
 13. Describe the various methods of repairing of concrete works.
 14. Explain the process of renovation of a damaged building.
 15. Name the equipment required for building construction and explain in detail.
 16. Describe a batching plant with sketch for production of mass concrete work including the various equipment required for the plant.