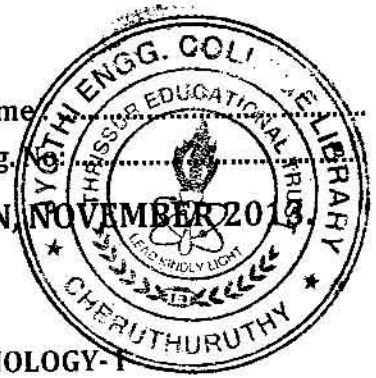


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Name

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THIRD SEMESTER B.TECH DEGREE EXAMINATION, NOVEMBER 2013

**(2009 Scheme)
CIVIL ENGINEERING**

CE 09 304/PTCE 09 303 - BUILDING TECHNOLOGY-I

Time : Three Hours

Maximum : 70 Marks

PART A

Answer all Questions

5 x 2 = 10 marks

I

- List out the various defects in timber.
- Write a short note on dressing of stones.
- What are plasticizers ?
- Differentiate between cornice and coping.
- What is meant by site plan ?

PART B

Answer any four Questions

4 x 5 = 20 marks

- Explain in detail on quarrying of stones.
- Write short note on workability and segregation.
- Explain alkali aggregate reaction.
- What is meant by bearing capacity of soil ? List out and explain methods to improve bearing capacity of soil.
- Write a short note on functional planning of buildings.
- What are the different types of reinforcing steel used in building construction ? Explain.

PART C

Answer all Questions

4 x 10 = 40 marks

- a) Explain in detail the manufacture, properties and uses of plywood and fibre board.

(OR)

- b) With the help of flow chart explain the manufacture of cement in detail ?

- a) Write short notes on :
 - Admixtures
 - Shrinkage and Creep

(OR)

- b) Write short notes on :
 - Curing
 - BIS method of mix proportioning

- a) Differentiate between shallow foundation & deep foundation. Also add a short note on grillage foundation.

(OR)

- b) Explain in detail on types of stone masonry.

- a) Explain in general functional requirements of public buildings as per KBC and NBC.

(OR)

- b) Write short notes on occupancy classification of buildings and working drawings.
