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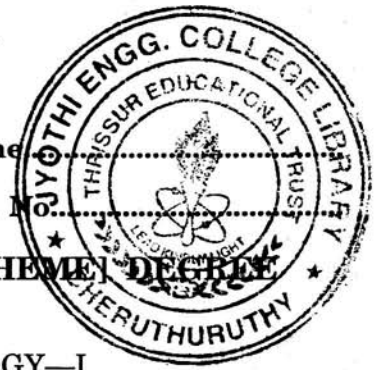
Reg. No.

**THIRD SEMESTER B.TECH. (ENGINEERING) [09 SCHEME] DEGREE
EXAMINATION, NOVEMBER 2014**

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

Time : Three Hours

Maximum : 70 Marks



Part A

Answer all questions.

1. (a) What is a particle board ?
- (b) Mention any *two* properties of tiles.
- (c) List types of mineral admixtures.
- (d) Give the purpose of ventilator.
- (e) What do you mean by layout drawings ?

(5 × 2 = 10 marks)

Part B

Answer any four questions.

2. How to preserve timber ?
3. Write a note on dressing of stones.
4. Explain the stress strain characteristics of concrete.
5. Explain about creep in concrete.
6. Explain the limitations in masonry construction.
7. What are the functional requirements of a community hall ?

(4 × 5 = 20 marks)

Part C

Answer all questions.

8. (a) Explain the properties and uses of timber.
Or
(b) Discuss in detail the tests involved in cement.
9. (a) Explain about different types of vibrators.
Or
(b) Explain about bleeding of concrete.

Turn over

10. (a) Discuss the *three* types of bonds in brickwork.

Or

(b) Explain about the construction procedure of madras terrace roof.

11. (a) Compare and contrast the natural ventilation and artificial ventilation with sketches.

Or

(b) Discuss in detail the different types of drawing necessary to carry out construction.

(4 × 10 = 40 marks)