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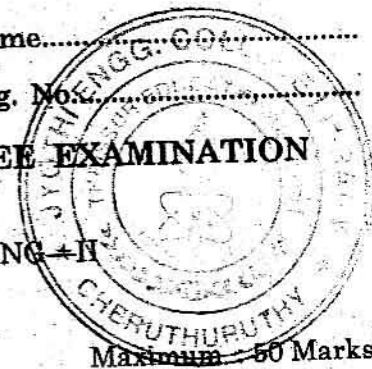
Name.....

Reg. No.....

**FIFTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION
DECEMBER 2011**

CE 09 507 (P)—CIVIL ENGINEERING DRAWING - II

(2009 Admissions)



Maximum 50 Marks

Time : Three Hours

Answer all questions.

Assume any missing but relevant data appropriately.

Take suitable scales for the drawings.

All drawings must be neat and clear.

Part A

Module I

1. A community centre is to be built in a project township with a population of 2500. The site available measures $120\text{ m} \times 80\text{ m}$ with 12 m wide roads on all sides. The centre is to provide with the following facilities:

- (1) A hall for arranging lectures, staging, dramas etc to seat 1,000 people.
- (2) A library for 5,000 books and other reading materials.
- (3) Other areas like sanitary facilities, office room and a small canteen.
- (4) Provision for indoor and outdoor games.

Provide all the above facilities as per KBR provisions.

Draw the following views to a suitable scale :

- (a) Plan.
- (b) Typical section giving maximum details.
- (c) Elevation.
- (d) Site plan.

Provide all dimensions and specifications in a table form.

(35 marks)

Part B

Module II

2. Draw the plan and longitudinal section of a septic tank to a suitable scale. Assume suitable dimensions.

Or

Draw the schematic diagram of arrangements for plumbing in a two storeyed building (residential).

(15 marks)