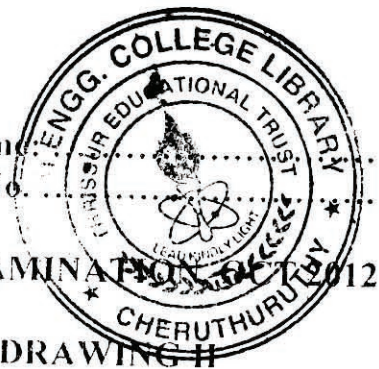


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Name  
Reg.No



FIFTH SEMESTER B.TECH. DEGREE EXAMINATION

CE 09 507 CIVIL ENGINEERING DRAWING II

Time: Three hours

Maximum : 50 marks

Instructions

Answer all questions

Assume any missing but relevant data appropriately

Take suitable scales for the drawing

**Part A ( Module I)**

The owner of a 16 m x 25 m residential plot wishes to construct a two bed room house on it. The shorter side of the plot abuts a road 12 m wide on it's Northern side. The site is a level one. Climate is warm and humid. Design a single storey house with the following requirements

- 1 Entrance Lobby (5m<sup>2</sup>)
- 2 Living cum Dining (25m<sup>2</sup>)
- 3 Master bed room (17m<sup>2</sup>)
- 4 Attached toilet to Master's bed room (5m<sup>2</sup>)
- 5 Children's bed room (12m<sup>2</sup>)
- 6 Kitchen (10m<sup>2</sup>)
- 7 Store room (5m<sup>2</sup>)
- 8 Utility room (7m<sup>2</sup>)
- 9 Common toilet (5m<sup>2</sup>)
- 10 Garage (20m<sup>2</sup>)

Draw a) Site plan b) plan c) A typical sectional view giving maximum details d) Elevation

Provide all dimensions and specifications in a table form

(35 Marks)

**Part B ( Module II)**

2) Draw a typical sectional plan and longitudinal section of a septic tank to a suitable scale (Given tank dimensions in plan 6 m x 2 m. Assume other relevant data appropriately)

OR

Draw the schematic diagram of arrangements for plumbing in a two storied residential building

(15 Marks)