

**D 70290**

Name .....

Reg. No. ....

**FIFTH SEMESTER B.TECH. (ENGINEERING) (09 SCHEME) DEGREE  
EXAMINATION, NOVEMBER 2014**

**CE 09 507—CIVIL ENGINEERING DRAWING – II**

Time : Three Hours

Maximum : 50 Marks

*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. Design a small house for a family (consisting of father, mother and two children). The site is 14 m × 14 m abutting a 8 m wide road along the North boundary. There must be provisions for living room, dining room, children's study and sleeping room, kitchen, one bedroom for parents and suitable civic / sanitation facilities. Front verandah and work area are optional. (Follow Kerala building rules provisions wherever necessary). Building plan is to be simple, efficient and economical.

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 single storey residential building.

(15 marks)