

**FIFTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION  
JUNE 2009**

CE 04 507—CIVIL ENGINEERING DRAWING—II

(2004 admissions)

Time : Three Hours

Maximum : 100 Marks

**MODULE I**

1. It is proposed to construct a youth hostel in a place of tourist importance. The following accommodation is received :

- (i) Entrance-cum-enquiry Hall = 20 m<sup>2</sup>.
- (ii) Dormitory for 20 persons in two units : 15 m<sup>2</sup> each
- (iii) Double bedrooms 6 Nos. = 12 m<sup>2</sup> each
- (iv) Single bedroom 12 Nos. = 9 m<sup>2</sup> each.

Common kitchen and dining hall of adequate area, common sanitary units consisting of bath rooms and W.C., washing place and drying yard for clothes are to be provided and located suitably. Other provisions like lounge, lobbies, corridors etc may be provided according to requirements.

Assume all other relevant data, sizes and dimensions giving a sketch giving the plan arrangement of the components of building.

Draw to a suitable scale.

- (i) Plan at sill level.
- (ii) Section showing the maximum details.
- (iii) Front elevation.

are also an index showing the title, scale, schedule of doors and windows, details of materials used etc.

(80 marks)

**MODULE II**

2. Prepare a site plan and service plan for a residential building having the following details :

Area of the plot = 35 × 25 m.

Three bedrooms of size = 4 × 3 m

Dining Hall = 5 × 6 m

Visitor room = 4 × 5 m

Drawing room = 5 × 6 m

Kitchen = 4 × 3 m

Store room = 4 × 2 m

Attach bath rooms for all bed room

(20 marks)

Or

3. Design and draw a septic tank and soak pit for girls hostel of 300 capacity.

(20 marks)