

TE - Sem - V - Old - Civil
BDD - II

11/12/15

QP Code : 1779

(4 HOURS)

Max. Marks:100

1. Q.No. 1 is compulsory
2. Attempt any four questions from remaining six questions.
3. Assume any data suitably if not given and state it clearly.

1. It is proposed to construct a boys hostel to accommodate 100 students in the suburban area of Thane District. The building is G+1 R.C.C. framed structure, having the following requirement. The plot area is 32 m x 36 m.

(i)	Entrance Lobby	: min 4 mt wide
(ii)	Administrative Office	: 40 sq mt
(iii)	Single Seated Room (40 Nos)	: 10 sq mt
(iv)	Double Seated Room [30 Nos.]	: 15 sq mt
(v)	Common Room	: 80 sq mt
(vi)	Reading Room	: 80 sq mt
(vii)	Dining Hall	: 100 sq mt
(viii)	Kitchen	: 30 sq mt

Provide passages, staircase, sanitary unit, parking area etc. as per byelaws.

Place the requirements (i) to (viii) on ground and first floor as per their function

Draw Ground floor plan.

[20]

2. (a) Draw first floor line plan of the building given in Q.No.1. [10]
(b) Draw the front elevation of the building given in Q.No.1. [10]
3. Draw the detailed sectional elevation passing through staircase and other important unit of building given in Q.No.1. [20]
4. Draw the two point perspective of the plan of an building (fig. No.1) [20]
5. It is proposed to renovate the office of the principal of Management Institute having floor area 120 sq. mt. Following are the requirements:- [20]
Working Office, Principal Cabin, Conference Room with attached toilet and small pantry
Draw plan and section.
6. (a) Draw the foundation plan for the building given in Q.No.1 [10]
(b) Draw the site plan showing proposed built-up area, internal road, parking area, open space etc of the building given in Q.No.1. [10]

[TURN OVER]

QP-Con. 11222-15.

7. Write short notes on any four :-

- (a) Architectural Compositions [5]
- (b) Built Environment-An integrated approach [5]
- (c) Modular Planning [5]
- (d) Master Plan and Green Belt [5]
- (e) Green Building [5]