

TE-CE Sem IV (old)

BDD-II

(OLD COURSE) QP Code : 12129

(4 Hrs)

(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 Primary School Building 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 38 m.

(i)	Entrance Lobby	: min 4 mt wide
(ii)	Office	: 50 sq.mt.
(iii)	Principal Room	: 40 sq mt
(iv)	Class Rooms [8 Nos.]	: 40 sq. mt. each
(v)	Staff Room	: 50 sq mt
(vi)	Computer Lab.	: 50 sq mt
(vii)	Science Room	: 50 sq mt
(viii)	Craft Room	: 50 sq mt
(ix)	Children playing room	: 50 sq mt
(x)	Library	: 50 sq.mt.
(xi)	Canteen	: 100 sq mt.
(xii)	Stores	: 30 sq.mt.

Provide spacious waiting area outside principal room, passages, staircase, sanitary unit for male and female staff, sanitary unit for boys and girls, parking area etc. as per byelaws.

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 which you have planned for Q.No 1.

[20]

5. It is proposed to renovate the office of the principal of Engineering College, having floor area 125 sq. mt. Following are the requirements:-

Working Office, Principal Room, P.A to Principal cabin, Conference Room with attached toilet and small pantry

Draw plan and section.

[20]