

SE-CE.
Sem IV (C B S G S)
BDD-I

09/12/2014

QP Code : 12497

(4Hours)

[Total Marks : 80

Notes: 1. Q.No.1 is compulsory.

2. Attempt any three questions out of remaining five questions.

3. Assume any data suitably, if required.

Q.No.1. It is proposed to construct a bungalow for an Executive Engineer of P.W.D. on a plot measuring 23 m x 20 m in the suburb of Thane District. The building G+1 R.C.C. framed structure, having following requirements.

- (i) Entrance Verandah : minimum 3 mt wide
- (ii) Living Room : 25 sq.mt
- (iii) Engineer's Office : 25 sq.mt.
- (iv) Master Bedroom :20 sq.mt.
- (v) Bed Rooms (2 Nos.) :12 sq.mt each
- (vi) Kitchen cum Dining :25 sq.mt.
- (vii) Study Room :12 sq.mt.
- (ix) Guest Room :15 sqmt
- (x) Store :9 sq.mt.

Provide staircase, passage, sanitary unit , garage, etc. as per bye-laws.

Draw Ground Floor plan.

[20]

Q. No. 2.(a) Draw sectional elevation passing through staircase and sanitary unit , for the building given in Q.No.1 [15]

(b) Draw line plan of first floor for the building given in Q.No.1.

[05]

Q.No.3 (a) Draw front elevation of the building given in Q.No.1.

[08]

(b) Explain Principles of planning with neat sketches.

[08]

(c) Explain objects of Building bye laws.

[04]