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Roll No. :

320454(20)

B. E. (Fourth Semester) Examination, April-May 2021

(New Scheme)

(Civil Engg. Branch)

CIVIL ENGINEERING DRAWING

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all questions. All question carries equal marks.

Unit-I

1. (a) What do you mean by Prospects? 2
- (b) Explain objective of building bye-laws. And also explain the principle of building bye laws. 14

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Or

- (c) Explain in detail principal of planning. 14

Unit-II

2. (a) Draw a plan for a single storey residential building with following requirement : (Scale 1:100) 16
- (i) Plot size : (14 × 20) m
 - (ii) Two Bedrooms
 - (iii) One living room
 - (iv) Two bathroom (one attach and on common)
 - (v) Veranda of suitable width
 - (vi) Kitchen with store room

Or

- (b) Draw a plan of a single storey MIG house with staircase inside. Plot size (18 × 12) m. Adopt scale 1 : 100. 16

Unit-III

3. (a) Draw elevation and section of a single storey residential building given in question 2(a). (Take data from the question 2(a)). 8+8=16

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Or

- (b) Draw elevation and section of a single storey MIG house given in question 2(b). (Take data from the question 2(b)). 8+8=16

Unit-IV

4. (a) Draw the single line plan of a primary school building. Also show the arrangement of furniture in a class room. Assume suitable scale. 16

Or

- (b) Draw the single of primary health centre. Assume suitable scale. 16

Unit-V

5. (a) A rectangular prism edge of base 8 cm and sides of ends as 3 cm × 4 cm rests with one of vertical edges in a picture plan. Station point is 8 cm in front of picture plan. The height of observer is 6 cm. Draw its two point perspective. Also show the affect of change of height of eye level on the perspective. 16

Or

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- (b) Draw the front element and section at XX & YY direction of the double leafed panalled and glazed door.

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