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**RN-8059**

**B. E. - II (Sem. III) (Civil) Examination**

**May / June - 2010**

**Building & Town Planning**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दशावेव निशानीवाणी विगतो उत्तरवडी पर अवश्य वजवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="checkbox"/> B. E. - 2 (Sem. 3) (Civil)	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="checkbox"/> Building & Town Planning	<input type="text"/>
Subject Code No. : <input type="text"/> 8 <input type="text"/> 0 <input type="text"/> 5 <input type="text"/> 9	<input type="text"/>
Section No. (1, 2,.....) : <input type="text"/> 1&2	
	Student's Signature

- (2) Answer the two sections on two different sheets.
- (3) Figures to the **right** indicate full marks.
- (4) Use both side of drawing sheet.
- (5) Assume necessary data if required.

**SECTION - I**

- 1 (a) Explain principles of Architecture in detail. 6  
**OR**  
(a) Explain requirements of different purpose of room for residential building and their grouping.  
(b) Define aspect of a building and list out all aspects of building units. 4
- 2 (a) Prepare ground floor plan and first floor plan for a Row House of plot size 14m × 12m. Permissible F.S.I. is 1.2. Also prepare elevation for the same. 15  
(b) Assume suitable section line in the plan of Row House and draw section, with all details. 10

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**[Contd...**

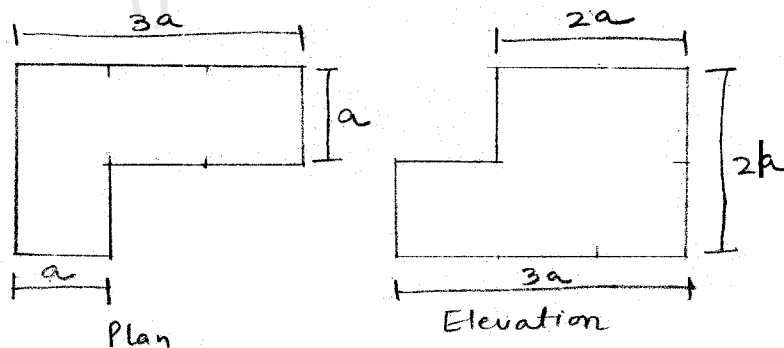
- 3 It is proposed to construct a hostel building to accommodate 150 students of Engineering college in college campus. 15
- The students have three bedded room.
  - Plan the hostel as per norms stipulated by National Building Code also draw elevation for the same.

**OR**

- 3 A commercial bank proposed to built its branch office in a village. The branch have following accommodations.
- (i) Agent's Room
  - (ii) Strong room
  - (iii) Store
  - (iv) Hall with counter
  - (v) Safe deposit vault
- Draw plan and elevation for the proposed bank.

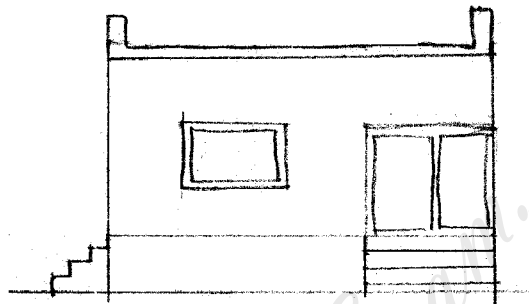
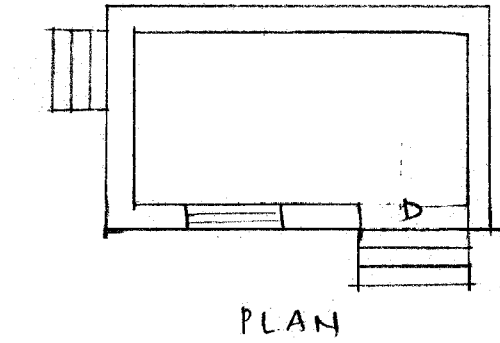
**SECTION - II**

- 4 Attempt any two : 10
- (i) Explain light plane with neat sketch.
  - (ii) Explain simplicity, symmetry and continuity with neat sketch in earthquake resisting building.
  - (iii) Define terms :
    - (a) Building line
    - (b) detached building
    - (c) Low Rise building
    - (d) Mezzanine floor
    - (e) Built up area
- 5 (a) Draw one point perspective for following object. 15



**OR**

(a) Draw two point perspective for given plan.



- 6 Write short note on any five :
- (i) Objectives of Town Planning
  - (ii) Density zoning
  - (iii) Cut-de-sec
  - (iv) Effect of slum on town life
  - (v) Business centres
  - (vi) Principles of Neighbourhood planning
  - (vii) Gandhinagar plan

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