



**UH-8059**  
**B. E. II (Sem. III) (Civil) Examination**  
**May / June – 2012**  
**Building And Town Planning**  
*(New Course)*

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

<p>નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination :</p> <p>← <b>B. E. 2 (Sem. 3) (Civil)</b></p> <p>Name of the Subject :</p> <p>← <b>Building And Town Planning (New)</b></p> <p>← Subject Code No. : <b>8 0 5 9</b> ← Section No. {1, 2,.....} : <b>NIL</b></p>	<p>Seat No. :</p> <table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table> <div style="border: 1px solid black; border-radius: 15px; width: 100%; height: 60px; display: flex; align-items: center; justify-content: center; margin-top: 10px;">Student's Signature</div>						

- (2) Figures to the right indicates full marks.
- (3) Give all the dimensions in figure.
- (4) Weightage will be given to neatness.
- (5) Assume suitable data if necessary and state clearly.

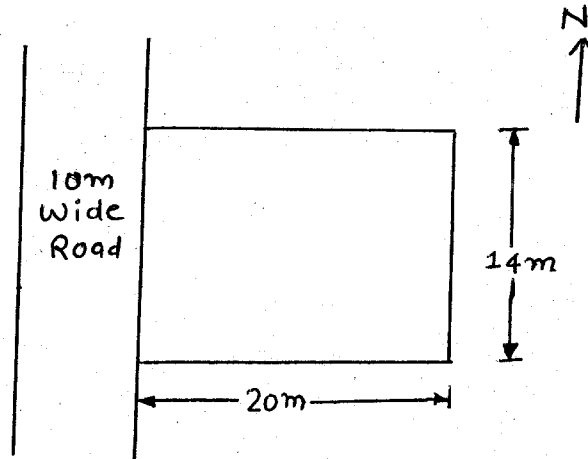
- 1 (a) What are the different basic principles of building planning and discuss any two of them in detail. 5
- (b) Explain in detail term-Earthquake resistant building. Which shapes or symmetry of building is preferred as earthquake resistant buildings explain in brief. 5

**OR**

- (b) Explain the need of education building and necessary criteria for it.
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- 2 (a) Prepare and draw ground floor plan for a detached building for the plot as shown in fig. 1. The requirement of client is as follows : 10

Drawing room, 2 bed rooms, kitchen cum dining, store, bath, WC, verandah and staircase.

Maximum permissible built up is 45% and FSI is 1.80.



(b) Draw elevation of building. 5

OR

(b) Draw furniture detail of drawing room.

(c) Draw section passing through important details. 7

3 (a) Attempt any two : 8

(i) Write bye-laws for set-back also draw light plane.

(ii) What do you mean by bye-laws ? Who frame it ? Write important bye-laws.

(iii) Describe bye-laws for margins and built up area.

(b) Design and draw a line diagram for school building 10  
with following details.

(i) Principal's office

(ii) Administrative office

(iii) Reception

(iv) 8 classes for 60 students each

(v) 3 laboratories

(vi) 1 library

(vii) 1 staff room

(viii) water room

(ix) Toilet unit

Take size of room as per normal requirement of education building.

- 4 (a) What do you mean by the term 'Town Planning' ? 10  
Explain its aim and objectives in detail.
- (b) Name some major town planners and discuss work of any one in detail. 10

**OR**

- (b) Write short note "Town Planning in India".
- 5 (a) Critically discuss the surveys in town planning, its methods and importance. 10
- (b) Write short notes : (any four) 20
- (i) Town planning in Ancient India
  - (ii) Garden city
  - (iii) Ribbon Development
  - (iv) Slums
  - (v) Urbanization
  - (vi) Master plan of town

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