

Roll No

CE/FT - 305**B.E. III Semester**

Examination, December 2013

Building Design & Drawing**Time : Three Hours**

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Maximum Marks : 70

Note: Attempt one question from each unit. All questions carry equal marks.

UNIT - I

1. a) Draw the sketch of battened braced and panel door. 7
- b) What are the requirement of an ideal stair? Draw sketch of dog legged stair. 7

OR

2. a) Draw the neat sketch of lintel with chajja projection. 7
- b) Write the method of laying marble flooring. 7

UNIT - II

3. a) Differentiate percent built up area and floor area ratio. 7
- b) Write short note on: 7
 - i) Symmetry
 - ii) Proportion
 - iii) Unity

OR

4. a) Discuss the open area concept? Write in short on set backs. 7
- b) Write short note on NBC. 7

UNIT - III

5. a) Write in brief on electrification requirement for a small residential building. 7
 - b) Write short note on: 7
 - i) Thermal insulation
 - ii) Acoustics of building
- OR
6. a) Write in short about water supply networking in residential building. 7
 - b) List and draw the figure of different components of water drainage system in a building. 7

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UNIT - IV

7. Draw the detail plan for a residential building suitable for middle income group. Draw sectional elevation also. Assume data suitably. 14
- OR
8. Plan and draw the line diagram of primary health centre situated at block head quarter. 14

UNIT - V

9. a) Describe rules for drawing perspective views. 7
 - b) What is energy efficient building? 7
- OR
10. a) Write the principle of drawing for perspective view. 7
 - b) Discuss the role of energy efficiency in stair case planning. 7

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