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Roll No

CE-4004 (CBGS)**B.E. IV Semester**

Examination, May 2018

Choice Based Grading System (CBGS)**Building Planning and Architecture***Time : Three Hours**Maximum Marks : 70*

- Note:* i) Attempt any five questions.
 ii) All parts of each question are to be attempted at one place
 iii) All questions carry equal marks.

1. Describe the following (any three): 14
 - a) Shallow foundation
 - b) English bond and Flemish bond
 - c) Floor area ratio
 - d) Under reamed pile
 - e) King closer and queen closer
2.
 - a) Define building bye-laws.
 - b) Define F.A.R and state the recommendation for F.A.R.
 - c) Discuss about setbacks and its requirements in detail.14
3. Discuss the following (any three): 14
 - a) List the various building services
 - b) Discuss electrification of building
 - c) Discuss in detail the sanitation and their provision in a residential building
 - d) Discuss the acoustics of building

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4.
 - a) Write in detail about fire fighting system in multi-storeyed building.
 - b) Explain in brief by drawing flow diagram on water supply services and waste water disposal arrangement in a residential building.14

5.
 - a) Write short notes on:
 - i) Mass
 - ii) Balance
 - iii) Proportion
 - b) Write about various provisions of NBC related to ventilation of building.14

6. Write in detail about: 14
 - a) Acoustic of building
 - b) Water supply in a hotel
 - c) Ventilation in stair case

7.
 - a) Write short notes on:
 - i) Different land use purpose
 - ii) Contrast
 - iii) Proportioning
 - b) Write the various points to be incorporated with energy efficient building.14

8.
 - a) Write about various methods of drawing perspective view.
 - b) Differentiate one point and two point perspectives.
 - c) Write short notes on energy efficient building.14

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