



Register Number:.....

B.E DEGREE EXAMINATIONS: APRIL/MAY 2016

(Regulation 2009)

Eighth Semester

CIVIL ENGINEERING

CEE204: Town Planning and Architecture

Time: Three Hours

Maximum Marks: 100

**Answer all the Questions:-
PART A (10 x 1 = 10 Marks)**

1. A ----- is the prime generator of all forms and indicates a position in space
 - a) Line
 - b) Plane
 - c) Volume
 - d) Point
2. A plane extended perpendicular to itself becomes
 - a) Volume
 - b) Orientation
 - c) Point
 - d) Line
3. The usual percentage of residential zone in a normal town could be -----
 - a) 50 %
 - b) 5 %
 - c) 25 %
 - d) 60 %
4. The ratio of the total floor area inclusive of walls of all the floors to the area of land on which building stands is called as -----
 - a) Floor Space Index
 - b) Set Back
 - c) Zoning
 - d) Carpet area
5. The typical off street parking space for vehicles in a commercial building is -----of FSI
 - a) 15%
 - b) 30%
 - c) 25%
 - d) 50%
6. An floor provided in high rise buildings for the purpose of common use of the residents of the building is known as
 - a) Cellar floor
 - b) Skip floor
 - c) Pen house floor
 - d) Loft floor
7. Travel behavior characteristics of an urban area can be derived from
 - a) Parking Survey
 - b) Demographic Survey
 - c) Socio Economic Survey
 - d) Origin & Destination Survey

8. Identify which is NOT a Green Building Rating System
 - a) LEED
 - b) CASBEE
 - c) ENERGY BUILD
 - d) BREEAM
9. The movement of people from central cities to smaller communities in the surrounding area is known as..
 - a) Reverse Urbanization
 - b) Under Urbanization
 - c) Sub Urbanization
 - d) Over Urbanization
10. 'Finger Plan' concept of urban planning was initially adopted in
 - a) Canberra
 - b) Paris
 - c) Copenhagen
 - d) Tokyo

PART B (10 x 2 = 20 Marks)

11. Define the terms punctuation and climax
12. Define the term Golden Ratio and state its importance.
13. What is density zoning? What are its advantages?
14. Define the term setback and mention its advantages.
15. Why is it necessary to provide safety in a public building?
16. What do you understand by the terms Cellar and Mezzanine floor?
17. Differentiate Active and Passive Energy Control with an example
18. List out the Green Building Rating System as per Indian Green Building Council(IGBC)
19. What is conurbation?
20. Why is green belt provided?

PART C (5 x 14 = 70 Marks)

21. a) (i) Describe in detail the principles used in architecture (10)
 (ii) State the difference between radial and bilateral symmetry (4)
- (OR)**
- b) (i) What are the basic elements of aesthetics and explain them with neat sketches (10)
 (ii) What is anthropomorphic proportioning system? Give any two example (4)
22. a) (i) Describe the surveys which are carried out to collect data for a town/city (10)
 planning.
 (ii) Master plan is essential for the systematic development of any city/ town:- (4)
 Justify the statement.

(OR)

- b) (i) What are the main principles of zoning? Explain. (10)
(ii) Write the salient features of Special Economic Zone(SEZ) (4)
23. a) (i) What are the factors to be considered while selecting the building site for an industrial building? (10)
(ii) When building bye laws are applicable? (4)
- (OR)**
- b) (i) Explain how building services are integrated with a building design? (10)
(ii) List any five rules or bye laws to be considered in a residential building design (4)
24. a) (i) Explain in detail the advantages and disadvantages of High FSI buildings? (10)
(ii) What is meant by the term Neighborhood planning? State its importance (4)
- (OR)**
- b) (i) What are the climatic factors to be considered in an architectural design? (10)
(ii) What do you mean by Floating FSI? Give an example (4)
25. a) (i) Explain with sketches how landscape elements are integrated in a building design (10)
(ii) Differentiate the terms Betterment and Compensation (4)
- (OR)**
- b) (i) What is an urban renewal project? What are its important aspects? (10)
(ii) List out various public utility services that are required in relation to town planning. (4)
