



B.E. (FULL TIME) DEGREE END SEMESTER EXAMINATIONS, NOV/DEC 2011

CIVIL ENGINEERING BRANCH

EIGHTH SEMESTER – REGULATIONS 2004

CE 482 ARCHITECTURE

Time: 3 hours

Max. Marks: 100

Answer All Questions

Part – A (10x2 = 20 marks)

1. Distinguish 'Plane' from 'Volume' through sketch.
2. Draw sketches to show that 'Symmetry is appealing' and 'Asymmetry cannot be avoided'.
3. Explain with a sketch that FSI increases density.
4. How do you calculate the plot coverage?
5. What do you understand by 'Climate' and 'Weather'?
6. Mention four materials that will contain heat in a building.
7. Mention four features that will make a hospital user friendly.
8. Draw a sketch of a Doctors consulting room using anthropometric standards.
9. What is the room size to accommodate a lift of eight persons capacity?
10. Draw a sketch of angular parking to accommodate ten cars in a very limited space.

Part – B (5x16 = 80 marks)

11. Write the various elements and components of architecture. Explain them with examples. (16 marks)

12. A) Draw a plan for a Multi Specialty Hospital taking into considerations of various requirements. (16 marks)

OR

12. B) Functions and Aesthetics can go hand in hand. Elaborate with sketches. (16 marks)

13. A) Open spaces are Lung spaces. The Development Control Regulations stipulate that certain developments shall have open spaces. Enumerate the case of Chennai. (16 marks)

OR

13. B) The buildings will be designed according to the climatic conditions. Detail the considerations that you will adopt to design a building in a warm humid climate. (16 marks)

14. A) A land measuring five ha is allotted to you for the development of a theme park. Design and draw the landscaping sketch. (16 marks)

OR

14. B) What are the considerations that you need to keep in mind while designing a building to get certified as a green building by IGBC. (16 marks)

15. A) Urban areas grow, stabilize and deteriorate. They need to be renewed to make the environment livable. Suggest strategies. (16 marks)

OR

15. B) While urban renewal and urban development's are undertaken many features are to be conserved - Discuss with case studies. (16 marks)