Reg. No...............................

Name.................................

B.TECH. DEGREE EXAMINATION, MAY 2014

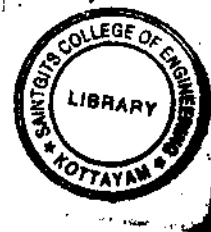## Seventh Semester

Branch : Civil Engineering

CE 010 704 – ARCHITECTURE AND TOWN PLANNING (CE)

(2010 Admissions)

[Improvement/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer **all** *questions.*

Each question carries 3 marks.

1. Explain the concept of space and tolerance apace in architecture.

2. List the requirements for preparation of working drawing for a building.

3. Write short note on cross ventilation.

4. Briefly explain Radburn plan.

5. Write brief note on land acquisition.

(5 × 3 = 15 marks)

Part B

Answer **all** *questions.*

Each question carries 5 marks.

6. Define Form and explain form related with structural design.

7. Explain the process of identifying activity area and linkage.

8. Sketch an wooden stair for a two storey building. List the merits and demerits of wooden stair.

9. Explain neighbouring unit planning.

10. Discuss the reasons for formation of slums.

(5 × 5 = 25 marks)

Turn over

Part C

Answer all questions.

Each question carries 12 marks.

11. Explain the types and theory of Architectural design.

Or

12. State and explain creative principles of architecture.

13. Explain the process of licensing for building works. List the different classes of licenses and their qualification.

Or

14. Briefly explain the functional requirements of residential buildings.

15. Explain the features, operation arrangements, location and types of Elevators in public buildings.

Or

16. Define Air-conditioning. Explain the calculation for air-conditioning load. List and discuss comfort factors.

17. Briefly explain the evolution in town planning acts and legislation.

Or

18. Briefly explain the problems of urban growth and requirements of New Town.

19. Define Master plan. Discuss the preparation and execution of master plan. Discuss the problems of execution.

Or

20. Explain Planning standards and land use allocation for public buildings.

(5 × 12 = 60 marks)