

Reg. No.

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B.E. / B.TECH. DEGREE EXAMINATIONS, MAY 2023

Second Semester

CE22201 – BUILDING PLANNING AND DRAWING*(Civil Engineering)***(Regulation 2022)****TIME: 1 HOUR 30 MINUTES****MAX. MARKS: 50**

COURSE OUTCOMES	STATEMENT	RBT LEVEL
CO 1	Explain the fundamentals of buildings and components of a building.	2
CO 2	Apply the basic principles of building planning and orientation.	3
CO 3	Plan residential buildings	3
CO 4	Summarise the important aspects of planning public buildings.	3
CO 5	Implement anthropometric studies and bye laws while planning a building.	3

PART- A (10 x 2 = 20 Marks)

(Answer all Questions)

	CO	RBT LEVEL
1. Write the purpose of a verandah in a residence.	3	2
2. What are the standard dimensions of a kitchen?	3	2
3. Differentiate dispensary and clinic.	4	2
4. Mention the dimensions of a projector room.	4	2
5. List the factors to be considered for site selection of a hospital.	4	2
6. List the components of a library.	4	2
7. Define floor space index.	5	2
8. When do you apply the building bye laws?	5	2
9. What is meant by golden section?	5	2
10. Mention the average dimensions of an adult male in standing position.	5	2

PART- B (2 x 10 = 20 Marks)

	Marks	CO	RBT LEVEL
11. (a) (i) Differentiate between green building and Conventional building.	(5)	1	2
(ii) Mention typical features of an intelligent building.	(5)	1	2

(OR)

- (b) Enumerate the various types of foundations commonly used with sketches. (10) 1 2
12. (a) (i) How do you achieve roominess and flexibility in a building? Explain with examples. (10) 2 3
- (OR)**
- (b) (i) Prepare an aspect diagram for a residential building situated in Chennai city. (10) 2 3

PART- C (1 x 10 = 10 Marks)

(Q.No.13 is compulsory)

- | | Marks | CO | RBT
LEVEL |
|--|-------|----|--------------|
| 13. Discuss the requirements of a residential building to accommodate a family of six members. | (10) | 3 | 2 |
