

# P P SAVANI UNIVERSITY

Fourth Semester of B. Tech. Examination

November 2022

SECV2090 Building & Town Planning

01.12.2022, Thursday

Time: 01:00 p.m. To 03:30 p.m.

Maximum Marks: 60

## Instructions:

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

### SECTION - I

Q - 1	Answer the following (any five).	[05]	CO	BTL
(i)	The height of ceiling of a room above loft shall not be _____ than 1.5 m. (Less, more)		1	1
(ii)	Which of the following room is important considering the direction of wind? Kitchen b) Store c) Study d) Bed		1/2	1
(iii)	The best results we may use Length/Breath ratio of a) more than 2                      b) more than 1.5 c) between 2.2 to 2.5              d) between 1.2 to 1.5		2	2
(iv)	Define Floor area ratio.		2	1
(v)	For a residential building which of the following sequence is proper? a) Passage - Dining - Kitchen - Store b) Dining - Passage - Store - Kitchen c) Stair - Verandah - Study - Living d) Kitchen - Store - Dining - Living		1	1
(vi)	Define vanishing point.		2	1
Q - 2 (a)	Draw ground floor plan and front elevation of residential building on a 20 m × 14 m plot area for a family of four persons as per building bye laws and principle of planning. Assume necessary data require. Building should be on the ground floor only.	[10]	2/3	5/6
Q - 2 (b)	What do you understand by Building bye laws? Write Objective of Building Bye laws.	[05]	1	2

### OR

Q - 2 (a)	Prepare line diagram of a Hostel. Take size of units, according to general Requirements of public building.	[10]	2/3	5/6
Q - 2 (b)	What factors will you consider for selecting site for a building?	[05]	1	1/2
Q - 3 (a)	List out various elements of Perspective views. Explain any one.	[05]	2	1
Q - 3 (b)	Discuss functional requirements of a residential building.	[05]	1	2

### OR

Q - 3 (a)	Differentiate between one point perspective and two-point perspective with a sketch.	[05]	2	2
Q - 3 (b)	Describe various rooms of residential building.	[05]	1	2

### SECTION - II

Q - 1 (a)	Discuss about necessity, Aim & Objective of Town planning.	[05]	1	2
Q - 1 (b)	Which are the points taken into consideration while preparing a land use planning?	[05]	4	4

### OR

- Q - 1 (a) What do you understand by Origin & Growth of towns? Explain growth of town in details. [05] 1 2
- Q - 1 (b) Briefly explain the town planning in the period of Indus valley civilization. [05] 1 5
- Q - 2 (a) What is the meaning of neighborhood planning? Discuss principles of it in details. [05] 2 2
- Q - 2 (b) What are the methods adopted for the collection of data in survey? [05] 4 2
- OR**
- Q - 2 (a) What are the essential features of a neighborhood unit? [05] 2 2
- Q - 2 (b) What is land use planning? What is the importance of land use planning? [05] 4 1
- Q - 3 (a) Discuss about advantage & disadvantage of zoning with refer to town planning. [05] 4 2
- Q - 3 (b) Discuss the various methods of slum clearance. [05] 4 1
- OR**
- Q - 3 (a) What are the different causes of slum? Explain in details. [05] 4 1
- Q - 3 (b) What is zoning? Explain in brief different aspect of zoning use for town planning. [05] 4 2

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CO : Course Outcome Number

BTL : Blooms Taxonomy Level

Level of Bloom's Revised Taxonomy in Assessment

1: Remember	2: Understand	3: Apply
4: Analyze	5: Evaluate	6: Create