



**B.E/B.TECH DEGREE EXAMINATIONS: NOV/DEC 2022**

(Regulation 2018)

Seventh Semester

**B.E. CIVIL ENGINEERING**

U18CEE0007: Housing Planning and Management

**COURSE OUTCOMES**

- CO1:** Identify and suggest the types of various houses and sustainability.  
**CO2:** Understand the types of various housing programmes in India.  
**CO3:** Classify the comprehensive knowledge of planning and designing in housing.  
**CO4:** Understand the cost-effective materials and techniques used in housing construction.  
**CO5:** Understand the appropriate evaluation and financing of housing projects.

**Time: Three Hours**

**Maximum Marks: 100**

**Answer all the Questions: -**

**PART A (10 x 2 = 20 Marks)**

**(Answer not more than 40 words)**

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|---|-----------------------|
| 1. Name the state level organizations for housing.            | CO1 [K <sub>1</sub> ] |
| 2. Define duplex building.                                    | CO1 [K <sub>1</sub> ] |
| 3. Mention the merits of co-operative housing.                | CO2 [K <sub>1</sub> ] |
| 4. Discuss the objectives of slum clearance.                  | CO2 [K <sub>1</sub> ] |
| 5. Outline the significance of building bylaws.               | CO3 [K <sub>2</sub> ] |
| 6. List out the factors governing the dimensions of a layout. | CO3 [K <sub>1</sub> ] |
| 7. Name any four cost effective housing materials.            | CO4 [K <sub>1</sub> ] |
| 8. State the objectives of building center.                   | CO4 [K <sub>1</sub> ] |
| 9. Mention any four types of home loan available in India.    | CO5 [K <sub>1</sub> ] |
| 10. Compare cash inflow with cash out flow.                   | CO5 [K <sub>2</sub> ] |

**Answer any FIVE Questions: -**

**PART B (5 x 16 = 80 Marks)**

**(Answer not more than 400 words)**

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|---|---|-----------------------|
| 11. a) Discuss on the salient features of the State Housing Policy in detail. | 8 | CO1 [K <sub>2</sub> ] |
|---|---|-----------------------|

	b)	Explain any two National Institutions developed for housing planning.	8	CO1	[K <sub>2</sub> ]
12.	a)	Illustrate the basic concepts and standards of housing programmes.	8	CO2	[K <sub>2</sub> ]
	b)	Explain the role of Non-Government Organisations in slum housing.	8	CO2	[K <sub>2</sub> ]
13.	a)	It is proposed to formulate a layout to accommodate 5000 population. The composition of income group is EWS-50%; LIG-35%, MIG-10%, HIG-5%. Make appropriate assumptions on family size, plot size for different income groups, width, and length of lay out roads. Calculate the land area required for houses and other provisions required in the plot. Draw a conceptual plan of the proposed layout indicating the road network , distribution of plots and community facilities.	8	CO3	[K <sub>3</sub> ]
14.	a)	Illustrate the various types of cost-effective techniques adopted by building centers.	8	CO4	[K <sub>2</sub> ]
	b)	Discuss the green building concepts adopted for sustainable housing.	8	CO4	[K <sub>2</sub> ]
15.	a)	Outline the principles adopted for the evaluation of sustainable housing projects.	8	CO5	[K <sub>2</sub> ]
	b)	Illustrate the various key issues in appraisal of housing projects.	8	CO5	[K <sub>2</sub> ]
16.	a)	Explain the components of layout design and mention the specifications of NBC	8	CO3	[K <sub>2</sub> ]
	b)	Identify the various steps to be followed in selection of site for local housing	8	CO3	[K <sub>2</sub> ]

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