



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:

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

Answer any FIVE Questions:-

PART B (5 x 16 = 80 Marks)

(Answer not more than 400 words)

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|---|---|-----|-------------------|
| 11. a) Outline the salient features of the National Housing Policy in detail. | 8 | CO1 | [K ₂] |
| b) Explain any two National Institutions developed for housing planning. | 8 | CO1 | [K ₂] |
| 12. a) Describe the basic concepts and standards of housing programmes. | 8 | CO2 | [K ₂] |
| b) Explain the role of Non-Government Organisations in slum housing. | 8 | CO2 | [K ₂] |

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|-----|----|--|----|-----|-------------------|
| 13. | a) | Design a housing layout for the following data and draw the conceptual layout plan.
Population size = 10,000
Composition of Families:
a. Economically weaker section = 30%
b. Low Income Group = 40%
c. Middle Income Group = 20%
d. High Income Group = 10%
Make suitable assumptions on hierarchy of roads and plot size for required income groups. Estimate the land area required, access requirements of open spaces and community facilities as per norms and standards. | 16 | CO3 | [K ₃] |
| 14. | a) | Illustrate the various modern techniques adopted in construction of housing projects. | 8 | CO4 | [K ₂] |
| | b) | Outline the green building concepts adopted for sustainable housing. | 8 | CO4 | [K ₂] |
| 15. | a) | Discuss the sustainable principles adopted for evaluation of housing projects. | 8 | CO5 | [K ₂] |
| | b) | Explain the various key issues in appraisal of housing projects. | 8 | CO5 | [K ₂] |
| 16. | a) | Outline the components of layout design and mention the specifications of NBC | 8 | CO3 | [K ₂] |
| | b) | Discuss the various steps to be followed in selection of site for local housing | 8 | CO3 | [K ₂] |
