

**PART-A**

(Answer all the Questions 10 x 2 = 20 Marks)

- 1 a What is the status of housing urban housing scenario?  
b Name two institutions for housing at national level.  
c What are precast elements in low cost housing?  
d What is an economical wall system?  
e What is ferro-cement? And write any one use of ferro-cement in buildings  
f Name any two industrial wastes used as alternative building materials.  
g What are mud roofs?  
h What is meant by traditional rural housing?  
i What is meant by housing in disaster-prone areas?  
j What are non-engineered buildings?
- CO1 L2 2M  
CO1 L1 2M  
CO2 L1 2M  
CO2 L1 2M  
CO2 L1 2M  
CO4 L1 2M  
CO4 L1 2M  
CO3 L1 2M  
CO3 L1 2M  
CO5 L1 2M  
CO5 L1 2M

**UNIT-I**

(Answer all Five Units 5 x 10 = 50 Marks)

**PART-B**

- 2 a Discuss rural housing status scenario in India.  
b Mention any five characteristics of urban housing in India.
- CO1 L1 5M  
CO1 L2 5M
- 3 Explain the existing housing finance system in India in detail.
- CO1 L2 10M
- UNIT-II**
- 4 What is meant by partial prefabrication, and how does it differ from conventional construction methods?
- CO2 L2 10M
- OR
- 5 Describe the role of innovative cost-effective construction techniques in reducing housing shortages
- CO2 L2 10M
- UNIT-III**
- 6 What are various substitutes for scarce materials?
- CO3 L2 10M
- OR
- 7 What is meant by agricultural waste how it will useful for low cost buildings?
- CO3 L2 10M
- UNIT-IV**
- 8 Explain mud housing technology with neat sketches.
- CO4 L3 10M
- OR
- 9 Discuss the types of mud roofs used in rural housing.
- CO4 L2 10M
- UNIT-V**
- 10 Explain the types of damages to houses in disaster prone areas.
- CO5 L3 10M
- OR
- 11 Describe the causes and characteristics of earthquakes and their effects on residential buildings.
- CO5 L2 10M

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