



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY :: PUTTUR
(AUTONOMOUS)**

Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK

Subject with Code : Low Cost Housing Techniques **Course & Specialization:** M.Tech – Structures
(16CE2006)

Year & Sem: I-M.Tech & I-Sem

Regulation: R16

UNIT – I

Housing Scenario & Housing Finance

1. Discuss status of urban housing in India.
2. Elucidate rural housing status scenario in India.
3. Elaborate on various housing finance systems in India
4. Write a detailed note on rural housing finance.
5. What are the various measures taken by the Government to facilitate housing sector in our country.
6. Explain various impediments in housing finance.
7. What are various initiatives taken by Life Insurance Corporation (LIC) and General Insurance Corporation (GIC) to boost up housing sector?
8. What is the role of National Housing Bank (NHB) in housing finance?
9. Bring salient points on global housing scenario.
10. Make a comparative study on rural and urban housing patterns in India.

UNIT – II

Land Use and Physical Planning for Housing

1. Discuss various developments in urban land planning since independence.
2. Illustrate various provisions in urban land ceiling and regulation act, 1976.
3. Explain about efficiency of building byelaws.
4. Write detailed account on slums in various cities in India
5. Suggest measures to improve living conditions in slums.
6. What are different strategies to improve inner city slums?
7. What are efforts made by the government to decongest large cities?

8. (A) Discuss World Bank aided programmes for urban poor.
(B) Explain UCD approach.
9. What are steps taken by state and central governments under National Housing Policy?
10. Discuss various strategies to house urban poor.

Unit – III

Development and Adoption of Low Cost Housing Technology

1. Explain various precast roofing systems with sketches.
2. Discuss popular prefabrication systems adopted for mass housing programmes in India.
3. Present general remarks on precast roofing/flooring systems
4. Discuss various economic walling systems
5. Write notes on following:
 - a. Fly ash, gypsum brick for masonry
 - b. Stone block masonry
6. What are the popular construction techniques successfully promoted by the Nirmithi Kendras.
7. With a neat sketch explain thin precast RC Lintel with Chajja Projection.
8. Write notes on concrete hollow blocks for walling and roofing.
9. Give general estimates of various low cost building products available in market.
10. Plan a low cost house for 1000 sft include drawing and materials used.

UNIT – IV

Alternative Building Materials for Low Cost Housing

1. What are various substitutes for scarce materials?
2. What are various timber substitute employed in housing?
3. Explain how agricultural wastes are handled.
4. Explain how industrial wastes are handled.
5. Explain the role of ferrocement as alternate construction material.
6. How Gypsum boards are used as low cost construction material.
7. Spell the need of alternative construction materials in low cost housing.
8. What are future strategies for promotion of alternate construction materials?
9. Discuss various alternate building materials for low cost housing.
10. What are the various low cost alternates for wooden doors, door frames, windows and window frames?

UNIT-V**Low Cost Infrastructure Services
Rural Housing
Housing in Disaster Prone Areas**

1. What are various traditional practices of housing rural?
2. Explain how mud is used as housing and roofing material.
3. What are various fire resistant techniques employed to safeguard thatched house?
4. Give detailed account on soil stabilization techniques.
5. Discuss how you can provide safe and cost effective sanitation facilities for low cast housing projects.
6. How various energy requirements are catered in low cost houses?
7. What are various technological options for providing low cost infrastructure services?
8. Write short notes on following services in low cost housing:
 - a. Domestic wall
 - b. Water supply
9. Explain how you can safeguard rural houses against earthquakes.
10. Explain how floods and cyclones are mitigated in rural areas.

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Prepared by
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