

Code: 13A01806

B.Tech IV Year II Semester (R13) Advanced Supplementary Examinations July 2018

COST EFFECTIVE HOUSING TECHNIQUES

(Civil Engineering)

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

1 Answer the following: (10 X 02 = 20 Marks)

- Differentiate between house and home.
- Name two institutions for housing at national level.
- Name any two public housing agencies.
- Differentiate between rental housing and cooperative housing.
- What are precast elements in low cost housing?
- What is an economical wall system?
- Write a short note on ferrocement.
- Write the characteristics of mud.
- Write a short note on earthquake.
- Mention the traditional earthquake prone areas.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- Discuss the strategies of national housing policies.
 - What is the role of institutions for housing at National and State levels?

OR

- Discuss in detail about the objectives of slum housing.
 - Explain all the basic infrastructure considerations.

UNIT – II

- Discuss about the sites and services in the context of housing programmes in India.
 - Write short notes on apartments and townships.

OR

- Explain about the slum redevelopment and relocation.
 - Discuss about plotted land development programmes.

UNIT – III

- Explain the significance of usage of gypsum in the masonry.
 - Discuss about the adoption of total prefabrication in mass housing projects.

OR

- Write a short note on 19 cm thick load bearing masonry walls.
 - Illustrate the half brick thick load bearing wall.

UNIT – IV

- Discuss the significance of various substitutes for scarce building materials.
 - Illustrate fire treatment for thatched roof houses.

OR

- Distinguish between industrial wastes and agricultural wastes in the context of alternative building materials.
 - Write a short note on rural housing programs in India.

UNIT – V

- Discuss about the recommendations for future constructions in the context of housing in disaster prone areas of India.
 - How do you restore earthquake damaged buildings?

OR

Discuss in detail about the status of R&D in earthquake strengthening measures in India.