

B.Tech IV Year II Semester (R13) Advanced Supplementary Examinations July 2017

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)
- Write short notes on rural characteristics.
 - Give an account on planning norms and standards for housing sector.
 - Write short notes on residential densities.
 - Write short notes on repair and restoration of damaged buildings.
 - Explain soil stabilization methods and explain any one.
 - What is Ferro cement and specify the applications?
 - Explain precast elements and how they differ with conventional elements.
 - Write short notes on status of R & D in earthquake strengthening measures.
 - What is single brick thick load bearing wall and how it varies with RCC column structure?
 - Explain the thermal conductivity for the mud roof structures.

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

UNIT – I

- 2 Explain the status of rural housing finance in India.

OR

- 3 Discuss on present scenario of low cost construction techniques in India.

UNIT – II

- 4 What is urban and ceiling and regulation act and explain them in detail?

OR

- 5 Explain about building byelaws, if the byelaws not adopted for the structures what difficulties can face explain them in detail.

UNIT – III

- 6 What are the new technologies for rural housing and how they can implement effectively to public?

OR

- 7 What are the new technical innovations pertaining to low cost infrastructure services? Explain them in brief with respect to finance.

UNIT – IV

- 8 Outline the traditional practice of rural housing conditions and can we change them with new technology for present conditions.

OR

- 9 Explain about energy and energy sources related to housing sector.

UNIT – V

- 10 Explain rural housing programs in India.

OR

- 11 (a) Suggest suitable measures for housing in disaster prone areas.
(b) What are the type of damages and repairs of non-engineered buildings?
