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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)****M.Tech I Year I Semester (R16) Regular Examinations January 2017****LOW COST HOUSING TECHNIQUES**

(Structural Engineering)

(For Students admitted in 2016 only)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 X 12 =60 Marks)

UNIT -I

Q.1 List out the various formal housing financial institutions in India and Briefly explain any two. 12M

OR

Q.2 a. Briefly explain the Rural housing status in India. 6M
b. Explain the various impediments in housing finance. 6M

UNIT -II

Q.3 a. Define building Bye-laws and explain. 6M
b. List out the various government – sponsored programmes for slum up gradation and explain UBSP for the poor. 6M

OR

Q.4 a. Explain Urban land ceiling and Regulation act, 1976. 6M
b. Explain the efforts made by the government to decongest large cities. 6M

UNIT -III

Q.5 a. Briefly explain with a neat sketch about precast R.C. Plank and Joist system of roofing. 7M
b. List out the general remarks on precast Roofing /flooring system. 5M

OR

Q.6 Briefly explain with neat sketches about the popular construction techniques promoted by the Nirmithi Kendras. 12M

UNIT -IV

Q.7 a. Discuss about Ferro cement. 5M
b. List out the constraints in the large scale utilization of Fly-ash. 7M

OR

Q.8 a. Explain about Red mud plastic. 5M
b. What are the agricultural wastes and explain about Rice husk? 7M

UNIT -V

Q.9 a. Explain about solar energy. 5M
b. Explain how the Domestic waste is to be disposed. 7M

OR

Q.10 a. What are the advantages and disadvantages of mud? 6M
b. Explain about soil stabilization. 6M

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