

B.Tech. Degree VIII Semester (Supplementary) Examination, September 2008

CE 803 A/B (E) COST EFFECTIVE BUILDING TECHNIQUES (2002 Scheme)

Time: 3 Hours

Maximum Marks: 100

- I “Cost reduction techniques do not degrade the quality, durability and strength of the structures”. Elucidate the statement with respect to the techniques in the planning and construction stages that will affect economy. (25)
- OR**
- II Explain how the cost varies for various types of buildings with respect to land, buildings and various services. (25)
- III State and explain the application of the building materials given below:
i) Treated Timber ii) Bamboos (25)
- OR**
- IV Write a brief essay on the various techniques developed by CBRI, SERC etc. on cost reduction. (25)
- V “Mud in a natural and locally available construction material and can be effectively used after improving the engineering properties”. Write an essay with facts substantiating the statement. (25)
- OR**
- VI Write short notes on the following:
i) Mud stabilization
ii) Testing of mud blocks
iii) Chemical stabilization of mud
iv) Reinforcing mud walls
v) Protective treatments of mud constructions (25)
- VII New methods and techniques have been developed for prefabricated building components. Take any five such areas and explain. (25)
- OR**
- VIII Write short notes on the following:
i) Hollow concrete blocks
ii) Ferro cement products
iii) Advantages of prefabrication
iv) Sand lime bricks
v) Stabilized soil blocks (25)

