

B. Tech Degree VIII Semester Examination, April 2008

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

Time : 3 Hours

Maximum Marks : 100

- I. Explain in detail with neat sketches the different types of innovative cost effective building techniques for roofs and foundation. (25)
- OR**
- II. Explain the various aspects of construction which leads to the reduction of total cost with examples. (25)
- III. Explain with examples how the industrial wastes can be useful to the Construction Industry. (25)
- OR**
- IV. Explain in detail the various energy efficient construction techniques developed by CBRI and SERC. (25)
- V. (a) Explain with neat sketches different techniques of mud construction. (15)
(b) How mud can be classified based on lab and field tests? (10)
- OR**
- VI. What is mud stabilisation? What is its purpose? Explain the various methods of mud stabilisation. (25)
- VII. What is prefabrication? What are the advantages and disadvantages of prefabrication? Explain its application in construction. (25)
- OR**
- VIII. Write short notes on :
- (i) Lato blocks
 - (ii) Hollow concrete blocks
 - (iii) Precast stone masonry
 - (iv) Ferro cement
 - (v) Stabilised soil blocks. (25)

