

## ***B. Tech Degree VIII Semester Examination, April 2009***

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

Time : 3 Hours

Maximum Marks : 100

- I. (a) Discuss the various aspects that we have to consider during the planning of a building to reduce the cost. (10)  
(b) Mention and explain the cost reduction techniques that can be applied to reduce the construction cost of superstructures of a building. (15)  
**OR**
- II. Discuss the different aspects that has to be considered for the planning and construction of different types of dwelling units. (25)
- III. (a) Discuss the various cost reduction techniques developed by CBRI. (15)  
(b) Explain the different applications of fly ash in the building construction. (10)  
**OR**
- IV. Write short notes on the following :  
(i) Applications of natural materials in building construction (10)  
(ii) Bamboo construction (15)
- V. Explain with neat sketches the different techniques of mud construction. (25)  
**OR**
- VI. How the mud can be classified? Explain with the help of different types of field and lab tests. (25)
- VII. Write short notes on the following :  
(i) Stabilised soil blocks  
(ii) Hollow concrete blocks  
(iii) Lato blocks  
(iv) Sand lime bricks  
(v) Stone masonry blocks. (5 x 5 = 25)  
**OR**
- VIII. Explain the different applications of ferrocement in building constructions. (25)

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