

## ***B. Tech Degree VIII Semester Examination April 2011***

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

Time : 3 Hours

Maximum Marks : 100

- I. Discuss the various aspects that are to be considered for reducing the cost of construction. (25)
- OR**
- II. How the cost of superstructure can be reduced by adopting cost effective construction methods? Explain with examples. (25)
- III. Explain the various applications of local materials in the construction process. (25)
- OR**
- IV. Explain the applications of industrial wastes in the construction industry. (25)
- V. Explain the various tests that can be adopted in the field to identify the suitability of mud as a construction material. (25)
- OR**
- VI. Explain the different techniques of mud construction. (25)
- VII. (a) What is prefabrication? What are its advantages? (10)  
(b) Explain the applications of prefabrication in the construction of superstructure. (15)
- OR**
- VIII. Write notes on the following :-  
(i) Lato blocks  
(ii) Concrete blocks  
(iii) Stabilized soil blocks  
(iv) Sand lime bricks  
(v) Ferro cement projects (5 x 5 = 25)