

B. Tech Degree VIII Semester Examination, April 2010

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

Time : 3 Hours

Maximum Marks : 100

- I. a. What are the various aspects that has to be considered in the planning stage of construction of building? Explain them in detail. (15)
- b. Explain the various cost reduction techniques that can be applied in the construction of walls. (10)
- OR**
- II. Discuss the various cost reduction techniques that can be applied in the construction process. (25)
- III. Discuss the various applications of locally available materials in the construction. (25)
- OR**
- IV. a. Discuss any three construction techniques developed by the research institution like SERC, CBRI etc. (15)
- b. Explain the applications of any two industrial wastes as building materials. (10)
- V. What is mud stabilization? Explain the various techniques used for the stabilization of mud. (25)
- OR**
- VI. Discuss the various field and lab tests for the identification of soil for construction. (25)
- VII. What is prefabrication? Explain few techniques that can be applied in roof construction (25)
- OR**
- VIII. Write short notes on the following:
- (i) Stabilized soil blocks
- (ii) Stone masonry blocks
- (iii) Sand lime bricks
- (iv) Applications of Ferro cement
- (3 x 5 =15)
(10)

