

MCE-CTM-14

M. E. (C. T. M.) (First Semester) EXAMINATION, 2006

(Civil Engg. Branch)

LOW COST BUILDING MATERIALS AND
CONSTRUCTION TECHNIQUES

(MCE-CTM-14)

Time : Three Hours

Maximum Marks : 100

Minimum Pass Marks : 40

Note : Attempt any five questions. All questions carry equal marks.

1. Discuss the concept of cost effective building materials and techniques. 20
2. Explain the role of Flyash in R. M. C. 20
3. Explain the Rat Trap bond and Filler slab with neat sketches. 20
4. Explain the sanitation techniques for rural area. 20
5. Explain the method of improvement of bearing capacity of soils by reinforcing with locally available materials. 20
6. Work and cost analysis of 10 sq. m roof using : 10 each
 - (a) R. C. C. plank and joist
 - (b) Funicular shell roof