

MVCT/MBCT/MVCP-105

M.E./M.Tech., I Semester

Examination, December 2013

Low Cost Building Material and Construction Techniques

Time : Three Hours

Maximum Marks : 70

- Note:**
1. Total number of questions 8.
 2. All questions carry equal marks.
 3. Assume missing data, if any suitably.

1. Discuss on concepts of alternate building materials and construction Techniques. 14
2. Write short notes on any two of the following. 14
 - a) Fly ash
 - b) Bitumen
 - c) Ferro cement
 - d) Cinders
3. Explain with neat sketch the production of solid concrete blocks? 14
4. Discuss on following types of roofs 14
 - a) Funicular shells
 - b) Precast R.C.C plants and Joist
 - c) Improved country tiles.

[2]

5. Write explanatory notes on the following 14
 - a) R.C.C chokhat making machine
 - b) M.C.R Tiles making machine
6. Explain with neat sketch, the construction procedure of rural roads. 14
7. a) What are the salient features of waste water disposal system. 7
 - b) Write short note on ferrocement drains. 7
8. Compare the cost analysis of the following items. 14
 - a) Filler slab with R.C.C slab
 - b) Rat trap bond construction with conventional brick masonry.
