

# MVCT - 105

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

Examination, June 2013

### Low Cost Building Materials and Construction Techniques

*Time : Three Hours*

*Maximum Marks : 70*

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

1. Discuss the concept of cost effective building materials and techniques? 14
2. Explain the role of Fly ash in low cost materials? 14
3. Explain in brief any four of the followings: 14
  - i) Precast R.C.Plank and Joint roof
  - ii) Precast channel roof
  - iii) Precast L-pannel roof
  - iv) Precast Funicular shells
  - v) Filler slab
  - vi) Thatch roof
4. Describe in details the procedure materials etc used in low cost road construction for villages? 14

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Describe in detail any three cost effective construction techniques? 14

Show, with the help of sketches and describe the details of waste water disposal system? 14

Write detailed notes on : 14

- i) Ferro cement Drains.
- ii) Low cost sanitation for rural and urban areas.

Write explanatory notes on (any two) : 14

- i) Low cost materials.
- ii) Low cost techniques.
- iii) Hollow concrete blocks.
- iv) Stone masonry blocks.

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