

Roll No

**MVCT/MBCT/MVCP-105**

**M.E./M.Tech. I Semester**

Examination, November 2018

**Low Cost Building Materials and  
Construction Techniques**

*Time : Three Hours*

*Maximum Marks : 70*

*Note:* i) Attempt any five questions from eight questions.  
ii) All questions carry equal marks.  
iii) Assume suitable data if missing.

1. List out various properties of Fly Ash. Explain any two in detail.
2. What do you understand by Hollow concrete blocks walls? Show its low cost properties.
3. What do you understand by Seasal fibre? Explain its construction properties.
4. List out various low cost construction techniques. Explain any two in detail with all salient points.
5. Differentiate low cost sanitation system in Urban and Rural areas.
6. Give cost analyses of low cost building material Fly Ash with a comparative chart to other traditional material.

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7. What do you understand by Rat Trap bond construction? Give details.
8. Write a short notes on any four of the following.
  - a) Thatch Roof
  - b) Ferro cement Drains
  - c) Brick moulding machine
  - d) Filler slab
  - e) Stone Masonry blocks

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