



# MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)  
University Examinations for 2013/2014

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

**Examination for certificate in Building Technology**

## **BUILDING TECHNOLOGY I**

**Date: 5/8/2014**

**Time: 3 Hours**

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### *Instructions*

*This paper consists of five questions in section A and B*

*Answer question one from section A and any other two questions in section B*

*Maximum marks for each part of a question are as shown*

### **SECTION A- COMPULSORY**

1. a) Define building process. (2 marks)
- b) Explain four methods of demolition (12 marks)
- c) State 3 methods of shoring and explain (10 marks)
- d) Describe site clearance (6 marks)

### **SECTION B**

2. Make a neat sketch of putlog scaffolds (20 marks)
3. a) State the aims of setting and general principle (12 marks)
- b) Explain builder square method (8 marks)
4. a) Describe five members of building team (10 marks)
- b) List ten setting out tools (10 marks)
5. a) Explain five materials used in scaffolding (10 marks)
- b) Describe site investigation (10 marks)