



Machakos University College

(A Constituent College of Kenyatta University)

University Examinations 2013/2014

SCHOOL OF ENGINEERING

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

Certificate in Masonry

Practice

Date: 6/3/2014

Time: 9:00 am – 4:00 pm

Instructions

- You should have sufficient materials for this examinations
- This paper is to be issued to candidates 30 minutes before the start of the examination.
- During this time, the candidate will study the drawing of the work piece, Select the tools and ensure that all materials specified are available for the examination.
- Each candidate is allowed six hours for this examination plus a rest interval of ONE Hour which will be fixed by the examiner.

PREAMBLE

- The attached drawings show plans and elevation of a return wall and a door opening with a straight arch. Part of the wall is built in bricks while the other part built in block work.
- All joint are keyed while the inner surfaces of the wall is to be plastered(wood float finish) a 20 mm floor is to be applies shown

TASK

Set out and build the wall as shown in the drawings

NOTE

Any cutting of wall units is to be done during this examination time. Template to be used where necessary

REQUIREMENTS

A. MATERIALS

1. Clay bricks	230 * 110 * 75	48 Bricks
2. Concrete bricks	460 * 230 * 230	16 Blocks
3. Straight edge		1N0
4. Lime/Sand Mortar		Sufficient

B. TOOLS

Masons tools

C. WORKING AREA

2.5m * 2 m per Candidates