



Machakos University College

(A Constituent College of Kenyatta University)

University Examinations 2013/2014

SCHOOL OF ENGINEERING

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

Carpentry and Joinery II
Masonry II
Plumbing II Technical Drawing

Date: 26/3/2014

Time: 8:30 – 11:30 am

Instructions to Candidates

- (i) You should have the following for this examination
 - Drawing Instruments
 - Drawing paper size A₂
 - (ii) Answer and FIVE of the following EIGHT questions
 - (iii) All questions carry equal marks
 - (iv) Maximum marks for each part of a question
 - (v) All dimensions are in millimetres
1. (a) Using concentric circles method construct an ellipse whose major axis is 100mm and minor axis 70mm
 - (b) Make free hand sketches (Pictorial) of the following tools:-
 - (i) Try square
 - (ii) Wooden mallet
 - (iii) Cross Pein Hammer
 - (iv) Bevelled edge Chisel
 - (v) Spirit level