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

Theory

Date: Time:

_____

Instructions

(i)   This project is to be undertaken by candidates as part of the examination requirements for the Carpentry and Joinery craft certificate.

(ii)   Candidates are required to study and carry out this project which should be ready for assessment by Mid June 2014.

GENERAL INFORMATION

This project is to be carried out entirely under the supervision of the teachers; The project consists of Two sections. Section A carries 40% and B 60% of the trade project. Each candidate is expected to complete the project within 40 hours

DESCRIPTION

A client requires a rectangular table to use in his lounge. The table measurers 550 mm in height, 500mm width and 760 mm in length. It has a magazine rack and two drawers below the top.

TASKS

1.   Design and make a working drawing for the lounge table and show the following:

(i)   Front elevation
(ii)   End elevation
(iii)   Plan
(iv)   Vertical Section through the elevation
(v)   Horizontal section through the leg

(vi)   Adequate joint details
(vii)   Working programmer

SECTION B (60 MARKS)

In accordance with the design and working drawing is Section 'A', Construct the table taking into consideration the following factors

(i)   Overall size of the project
(ii)   Appropriate joints for each part
(iii)   Suitable joints for each part
(iv)   High quality workmanship
(v)   Functional aspects of the project

PRESENTATION

All notes, calculations, working, drawings and sketches for section'A' of this project should be made on A4 size papers, numbered in a sequence form and fastened together in a folder bearing candidate's name, Index Number, Project, Number, Project Title with Course Name and Institution Name.

NOTE: Credit will be given for clarity, accuracy and neatness in the assessment of selection 'A' of this project