



MACHAKOS UNIVERSITY

University Examination 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY

BUILDING AND CIVIL ENGINEERING DEPARTMENT

FIRST YEAR THIRD SEMESTER

CERTIFICATE IN PLUMBING.

CODE 1704/305: SITE AND WORKSHOP MANAGEMENT

DATE

TIME;

INSTRUCTIONS;

Q1 (a) Identify five factors to be considered when selecting a workshop site.

(5marks)

(b) Outline six essential services for a workshop.

(6marks)

(c) Discuss the following regulations with regard to a workshop, giving two examples in each case

(i) Safety regulations

(ii) Health regulations

(iii) Welfare

(9marks)

Q2 Sketch a small plumbing workshop and indicate the layout of the following ;

Working area

Storage area

Machine area

Offices

Tools store

(20marks)

Q3 (a) local purchase order

(ii) materials transfer

(iii) materials return note

(iv) invoice .

(8marks)

(b) Identify three factors to be considered with regard to storage of materials.

(6marks)

(c) State six ways in which materials wastage can be reduced.

(6marks)

Q4(a) Discuss five reasons for introducing equipments and machines in a building.

(6marks)

(b)(i) List five factors to be considered when deciding on the type of plant to acquire.

(5marks)

(b)(ii) List two advantages of buying a plant and three advantages of hiring a plant.

(5marks)

Q5 (a) Define the following terms;

Tendering

Contract

(4marks)

(b) With the aid of a bar chart, illustrate the chain of command for the parties involved

in a building site.

(16marks)