



MACHAKOS UNIVERSITY

University Examination 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF BUILDING AND CIVIL ENGINEERING
FIRST YEAR SECOND SEMESTER EXAMINATION FOR
CRAFT CERTIFICATE IN BUILDING TECHNOLOGY

MASONRY

DATE: 24/4/2019

TIME: 11.30-2.30 PM

INSTRUCTIONS

ANSWER ALL THE FIVE QUESTIONS

1. Sketch the following types of masonry tools (20 marks)
 - a) Trowel
 - b) Club hammer
 - c) Claw hammer
 - d) Ball pein hammer
 - e) Plumb-bob
2. Make neat sketches of the following types of walling in brickwork (20 marks)
 - a) Flemish bond
 - b) English bond
3.
 - a) Differentiate between a damp proof course and a damp proof membrane (6 marks)
 - b) State at least FIVE safety precautions to be observed in a workshop (10 marks)
 - c) Differentiate between mass concrete and reinforced concrete (4 marks)
4.
 - a) Make a neat sketch of a corner profile board and name all the parts (10 marks)
 - b) Briefly explain the following terminologies as applied in wall finishes (10 marks)
 - i. Pointing
 - ii. Jointing

- iii. Rendering
 - iv. Rough cast
 - v. filing
5. a) State and briefly describe any TWO methods of setting out (10 marks)
- b) Sketch the following types of foundations (10 marks)
- i. pad foundation
 - ii. deep strip foundation