



TECHNICAL UNIVERSITY OF MOMBASA

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

FACULTY OF ENGINEERING AND TECHNOLOGY

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN BUILDING AND CIVIL ENGINEERING

EBC 2101: WORKSHOP TECHNOLOGY AND PRACTICE 1

END OF SEMESTER EXAMINATIONS

Series: July 2019

Time 2 hours

Instructions to candidates

You should have the following for this examination

- Answer booklet
- Examination pass
- Student ID

This paper consists FIVE questions. Answer THREE questions

DO NOT WRITE ON THE QUESTION PAPER

QUESTION ONE

- a) Explain four effects of accidents to employee (8 marks).
- b) Sketch and outline the indirect cold water supply system (8 marks)
- c) State four side effects of poor drainage system (4 marks)

QUESTION TWO

- a) Sketch and label the parts of a water closet pan and the cistern (8 marks)
- b) Differentiate straight socket joint from flange joint (6 marks)
- c) Sketch six types of pipe fittings (6 marks)

QUESTION THREE

- a) Sketch and state the use of four hand tools (8 marks)
- b) Outline the uses of copper pipes in construction industry (6 marks)
- c) Sketch and explain the operation of a stall urinal (6 marks)

QUESTION FOUR

- a) Explain the procedure of joining two copper pipes by soldering (8 marks)
- b) Outline the importance of welding in construction industry (8 marks)
- c) State four uses of sheet metals in construction (4 marks)

QUESTION FIVE

- a) Explain the importance of plumbing skills in the building industry (8 marks)
- b) Outline the importance of septic tanks and soak ways in drainage systems (4 marks)
- c) Differentiate sewage from sewerage system (2 marks)
- d) Sketch four types of ordinary traps (6 marks)

