



# **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 2104: WORKSHOP TECHNOLOGY AND PRACTICE 11

## **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) Outline six conditions that cause accidents in a workshop (6 marks)
- b) Sketch and label un bonded wall and indicate the effects (4 marks)
- c) Sketch and outline the procedure of plastering a block wall (10 marks)

### **QUESTION TWO**

- a) Sketch and label the parts of solid ground floor (6 marks)
- b) Outline the procedure of setting out a rectangular building (6 marks)
- c) Sketch and label a front view of a wall built in stretcher bond (8 marks)

### **QUESTION THREE**

- a) Outline the procedure of transferring wall width to foundation trench (6 marks)
- b) Identify the signs of maximum compaction in concrete work (4 marks)
- c) Differentiate plastering from rendering (4 marks)
- d) Sketch and state the use of three tools used in plastering (6 marks)

### **QUESTION FOUR**

- a) Name and sketch four timber joints used in joinery (6 marks)
- b) Outline the uses of rebate plane and bullnose plane (4 marks)
- c) Explain the effects of accidents to industry (4 marks)
- d) Explain the procedure of storing timber in a construction site (6 marks)

### **QUESTION FIVE**

- a) Explain the procedure of fixing a doorframe to a wall opening (10 marks)
- b) Outline six hazards that may occur when using a lathe machine (6 marks)
- c) State four objectives of induction course to a new employee (4 marks)

