



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF BUILDING & CIVIL ENGINEERING
UNIVERSITY EXAMINATION FOR:

CERTIFICATE IN BUILDING AND CIVIL ENGINEERING
EBC 1205 : BUILDING TECHNOLOGY II(B)

END OF SEMESTER EXAMINATION

SERIES: APRIL 2021

TIME: 2 HOURS

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **five** questions.

Attempt any **THREE** questions.

Do not write on the question paper.

QUESTION ONE

- a/ Briefly explain any **FIVE** parts of a fireplace and chimney (10 marks)
- b/ State **FIVE** causes of chimney failure (10 marks)

QUESTION TWO

- a) Briefly explain dry lining (5 marks)
- b) State the advantages of dry lining fixing in construction. (5 marks)
- c) Explain the term carpenter's second fixing (5marks)
- d) State **FIVE** functions of paint on construction surfaces (5marks)

QUESTION THREE

- a) Briefly explain the procedure followed when painting a timber surface (10marks)
- b) Briefly explain **THREE** Forms of framed structures (10 marks)

QUESTION FOUR

- a) State **FOUR** design principles of framed structures (4marks)
- b) Briefly explain the term masonry wall (2marks)
- c) List **FIVE** materials used in wall formation (5marks)
- d) State the difference between plain concrete wall and reinforced concrete wall. (3marks)

e) State SIX qualities of good formwork for concrete

(6marks)

QUESTION FIVE

a) Define the following:

- Cladding
- Curtain walling
- Facing

(10marks)

b) Draw and label a cross-section of formwork to a beam

(10marks)