



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF SCIENCE AND
TECHNOLOGY
(MMUST)**

MAIN CAMPUS

**UNIVERSITY MAIN EXAMINATIONS 2023/2024
ACADEMIC YEAR**

SECOND YEAR FIRST SEMESTER EXAMINATIONS

**FOR THE DEGREE
OF
BACHELOR OF TECHNOLOGY IN BUILDING
CONSTRUCTION**

COURSE CODE: BTB 203

COURSE TITLE: BUILDING TECHNOLOGY II

DATE: 13TH DECEMBER, 2024

TIME: 3 P.M - 5 P.M

INSTRUCTIONS:

1. This paper contains FIVE questions
2. **Question ONE (1) is Compulsory**
3. **Attempt a total of THREE questions in this booklet.**
4. Marks for each question are indicated in the parenthesis.

Examination duration is **2 Hours**

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.

Question 1 **COMPULSORY** **(40 marks)**

- a) Describe the three functions of a wall opening. (6 marks)
- b) Give a brief history of Arches (4 marks)
- c) Explain giving examples how arches are classified. (6 marks)
- d) Briefly describe the importance of scaffolding in construction industry. (4 marks)
- e) Outline the 'do's and the 'don'ts' when using the ladders (10marks)
- f) Define the term 'form work' and explain how it is classified. (6 marks)
- g) Discuss the term 'frame' as used in construction. (4 marks)

Question 2 **(15 marks)**

With aid of a neat sketch explain at least five components of a stair. (15 marks)

Question 3 **(15 marks)**

Explain the **five** advantages of timber frame construction over other frames (15marks)

Question 4 **(15 marks)**

- a) Outline factors considered when selecting the type of windows to be used in a building project. (6 marks)
- b) Describe the following types of windows
 - i) Fixed windows (3 marks)
 - ii) Sliding windows (3 marks)
 - iii) Casement windows (3 marks)

Question 5 **(15 marks)**

- a) Outline the functions of doors (5 marks)
- b) With aid of the sketch, describe the 'framed and panelled' door (4 marks)
- c) Give account of the three benefits of cladding. (6 marks)

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