



(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

(Main Campus)

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

EXAMINATION

FOURTH YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DEGREE OF

BACHELOR OF TECHNOLOGY IN BUILDING CONSTRUCTION

COURSE CODE: BTB 463

COURSE TITLE: BUILDING ECONOMICS

DATE: THURSDAY 28th APRIL 2022

TIME: 3:00 – 5:00 PM

Instructions to Candidates

- This paper contains FOUR (4) questions
- Answer ALL questions in Section A and ANY TWO in Section B

MMUST observes ZERO tolerance to examination cheating

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

QUESTION ONE (COMPULSORY -40MKS)

- a) Define the following in the context of building economics. (6mks)
- i) Economy
 - ii) Economic good
 - iii) Tertiary producers
- b) Explain the concept of cost control in building economics (6mks)
- c) Give an account of the following in the context of material, labour and physical capital?
- i) Competition (4mks)
 - ii) Economics of scale (4mks)
 - iii) Use available of technology (4mks)
- d) Discuss whole unit method of estimation. (6mks)
- e) Explain the importance of building economics in National economy. (5mks)
- f) Give a brief account on the sources of financing construction projects (5mks)

Attempt ANY 2 Questions from this section (30MKS)

QUESTION TWO

Explain the four facts on economic context of building economics (15mks)

QUESTION THREE

- a) Discuss in details giving illustrations on two strategies to address prolonged period of construction as way of minimizing initial costs of the project. (6mks)
- b) Give a brief description of the following
- i) Operational costs (3mks)
 - ii) Utilities (3mks)
 - iii) Maintenance costs (3mks)

QUESTION FOUR

- a) Discuss Religion, Technology and Culture in the context of economic considerations during the design stage. (9mks)
- b) Distinguish between fixed-rate and flexible-rate mortgages. (6mks)

QUESTION FIVE

- a) Give brief account on the following;
- Monetary benefits of the building (4mks)
 - Non-monetary benefits of the building (4mks)
- b) Outline the process of economic analysis (7mks)