



(University of Choice)

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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2021 / 2022 ACADEMIC YEAR**

FOURTH YEAR FIRST SEMESTER EXAMINATIONS

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

COURSE CODE: BTB 441

COURSE TITLE: ENVIRONMENTAL IMPACT AUDIT

DATE: WEDNESDAY 27TH APRIL 2022 TIME: 3.00 – 5.00 PM

INSTRUCTIONS:

1. This paper contains FIVE Questions
2. Answer FOUR Questions only
3. Marks for each question are indicated in the parenthesis.
4. It is in the best interest of the candidate to write legibly
5. Examination duration is **2 Hours**

MMST observes ZERO tolerance to examination cheating

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

QUESTION ONE**(17½ Marks)**

Describe, using relevant examples, the relationship between environmental impact assessment (EIA) and sustainable development

QUESTION TWO**(17½ Marks)**

Describe the procedural steps of EIA while explaining the dominant participant(s) or actor(s) in each step

QUESTION THREE**(17½ Marks)**

Monitoring of environmental impacts is as important as monitoring the EIA systems. Describe the relevance of EIA system monitoring and explain key evaluation criteria for EIA system monitoring

QUESTION FOUR**(17½ Marks)**

a) Computer application softwares and tools are relevant in EIA process especially in large and multidimensional environmental data sets. Outline examples of softwares packages/tools and their functions in EIA process

[7 marks]

b) Explain the weaknesses of the institutional and legal framework governing EIA in Kenya

[10½ marks]

QUESTION FIVE**(17½ Marks)**

a) Explain the main contents of an Environmental Audit report

[10½ marks]

b) Explain the relevance of the following principles in ensuring sustainable building construction industry

i) Precautionary principle ii) Polluter pay principle

(7 Marks)

----END----