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*(University of Choice)*

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

**UNIVERSITY EXAMINATIONS  
2021/2022 ACADEMIC YEAR  
MAIN**

**FOURTH YEAR SECOND SEMESTER EXAMINATIONS  
FOR THE DEGREE  
OF  
BACHELOR OF SCIENCE IN DISASTER MITIGATION AND SUSTAINABLE  
DEVELOPMENT (DMSD)**

**CODE : DSM 405**

**COURSE TITLE : ENVIRONMENTAL IMPACT ASSESSMENT**

**DATE: 26/04/2022**

**TIME: 3 – 5PM**

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**INSTRUCTIONS TO CANDIDATES**

1. This paper consists of **FOUR** questions
2. **QUESTION ONE IS COMPULSORY**
3. **Answer QUESTION ONE AND ANY TWO QUESTIONS**

**TIME: 2 Hours**

**MMUST observes ZERO tolerance in examination cheating  
This Paper consists of 2 printed pages, Please Turn Over**



### QUESTION ONE

- (a) Explain the term ‘Environmental Impact Assessment (EIA)’. (2 Marks)
- (b) Briefly examine the projects that require an Environmental Impact Assessment study report. (8 Marks)
- (c) Outline the benefits of an effective EIA. (10 Marks)
- (d) Explain any **FIVE** functions of the National Environment Management Authority. (10 Marks)

### QUESTION TWO

Discuss briefly the reasons for including ‘Public Participation’ as an essential part of the EIA process. (20 Marks)

### QUESTION THREE

With the help of a well-labeled diagram, discuss the main parts of the EIA process. (20 Marks)

### QUESTION FOUR

The table below lists possible environmental impacts during the construction of residential apartments in Kakamega town. Use this information to complete the blank parts of an Environmental Management Plan (EMP) of the Environmental Social Impact Assessment (ESIA) study report for the proposed project. (20 Marks)

S/No.	ENVIRONMENTAL IMPACT	MITIGATION MEASURES	RESPONSIBILITY	COST (KES)	MONITORING MEASURES
1	Disturbance of Traffic flow during Construction phases				
2	Soil Excavation leading to site disturbance				
3	Soil Erosion				
4	Noise Pollution and Vibration				
5	Air Quality				
6	Risks of Accidents and injuries to Workers				