



(University of Choice)

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

**MAIN CAMPUS  
MAIN EXAMINATIONS  
UNIVERSITY EXAMINATIONS  
2021/2022 ACADEMIC YEAR  
FIRST YEAR SECOND SEMESTER EXAMINATIONS  
FOR THE DEGREE  
OF  
MASTERS OF SCIENCE IN NATURAL RESOURCE  
MANAGEMENT**

**COURSE CODE: SNR 821**

**COURSE TITLE: NATURAL RESOURCE PLANNING FOR  
SUSTAINABLE COMMUNITIES**

**DATE: FRIDAY, 22<sup>ND</sup> APRIL 2022**

**TIME: 9:00 – 12:00 P.M.**

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**INSTRUCTIONS TO CANDIDATES**

- Answer ANY FOUR QUESTIONS (4x15 = 60)
- Illustrate your answers with suitable diagrams and figures where applicable.
- Use suitable examples where appropriate.

TIME: 3 Hours

**MMUST observes ZERO tolerance to examination cheating**

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

SNR 821: NATURAL RESOURCES PLANNING FOR SUSTAINABLE COMMUNITIES

**QUESTION 1**

Explain the essential steps that are involved in stake holder analysis of a named natural resource.  
(15 marks)

**QUESTION 2**

Discuss how different Environmental Engineering principles are commonly applied in protecting the environment for sustainability, giving examples. (15 marks)

**QUESTION 3**

Evaluate the various methods/strategies people use to gain access to land and the challenges encountered if any. (15 marks)

**QUESTION 4**

Explain the terms "Indicators of Sustainability". Examine the basic characteristics of good and effective indicators of sustainability. (15 marks)

**QUESTION 5**

Evaluate and establish links between rural, peri-urban and urban land use planning, giving examples. (15 marks)