



(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 MASTER IN NATURAL RESOURCE
MANAGEMENT/ENVIRONMENTAL SCIENCE**

COURSE CODE: SES 822

COURSE TITLE: ENVIRONMENTAL ECONOMICS

DATE: TUESDAY, 19TH APRIL 2022 TIME: 9:00 – 12:00 P.M.

INSTRUCTIONS TO CANDIDATES

Answer ANY FOUR questions. ALL questions carry equal marks

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages, Please Turn Over. ►
SES 822: ENVIRONMENTAL ECONOMICS

1. Describe four market structures according to micro-economic theories. Which of them is the most desirable for environmental goods and services? (15 marks)
2. Describe the four economic macro-theories and their relationship to environmental goods and services. (15 marks)
3. With the aid of specific examples, give the causes of market failure of environmental goods and services. What role can the government play in correcting the market failure? (15 marks)
4. With the aid of specific examples, describe the methods that can be used to give monetary value to the Kakamega forest ecosystem goods and services? (15 marks)
5. Outline the steps one would undertake in conducting a cost-benefit-analysis of a wetland restoration project from a rice farm. (15 marks)