



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF AGRICULTURAL AND FOOD SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE
AGRIBUSINESS MANAGEMENT, AGRICULTURAL EXTENSION EDUCATION AND
BACHELOR OF SCIENCE FOOD SECURITY
FOURTH YEAR SECOND SEMESTER 2019/2020 ACADEMIC YEAR

RESIT/SPECIAL

COURSE CODE: AAE 3425

COURSE TITLE: ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS

EXAM VENUE: Online

STREAM: BSc. Agribusiness Management &

BSc. Agricultural Extension Education

DATE: 07/12/2020

EXAM SESSION: 3.00 – 6.00 pm

TIME: 3.00 HOURS

Instructions:

- 1. Answer ALL question in Section “A” (compulsory) and ANY other TWO in Section B.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A (Answer ALL Questions in this section)

Question 1

Explain the following terms as used in Natural Resource Economics (10 marks).

- a) Property Rights
- b) Public good
- c) Non-excludability
- d) Non-rival
- e) Tragedy of the Commons.

Question 2

Differentiate between the following terms. (10 marks).

- a) Biological resources and exhaustible resources
- b) Flow resources and fund resources
- c) Resource conservation and resource preservation
- d) Static and inter-temporal economic efficiency
- e) Resource scarcity and resource reserves

Question 3

Outline the economic indicators of resource scarcity? (10 marks)

SECTION B: (Answer any two questions in this section)

Question 4

Explain how emissions fee or tax results in pollution reduction. (20 marks)

Question 5

Explain how property rights enforcement can ensure efficiency in resource exploitation in Kenya? (20 marks)

Question 6

Outline the government legal efforts and programs to control the Environmental Pollution (20 marks).
