



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS

**UNIVERSITY EXAMINATIONS FOR THE DEGREE OF BACHELOR OF
EDUCATION (ARTS/SCIENCE/SNE/ECDE)**

MAIN CAMPUS – REGULAR EXAMINATION, APRIL 2024 EXAMINATIONS

FIRST-YEAR SECOND SEMESTER, 2023/2024 ACADEMIC YEAR

COURSE CODE: ECB 2102

COURSE TITLE: ENVIRONMENTAL EDUCATION

DATE:

STREAM:

TIME: 2 HOURS

INSTRUCTIONS

- 1. This paper contains FIVE (5) questions.**
- 2. Attempt question ONE (Compulsory) and ANY other TWO questions.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

QUESTION ONE (COMPULSORY)

1. Differentiate between
 - a. Rural and Urban settlements (2 marks)
 - b. Compact and Dispersed Settlements? (2 marks)
2. State **FIVE** components of Environmental Education (5 marks)
3. Briefly explain reasons why creating public awareness for Environmental Education is important (4 marks)
4. Explain briefly the following population characteristics:
 - a. Natality (2 marks)
 - b. Mortality (2 marks)
5. Describe any **SEVEN** roles of National Environment Management Authority (NEMA) in conservation and management of the environment in Kenya (7marks)
6. State and explain **THREE** classes of human settlement as defined by the United States Geological Survey (USGS) Geographic Names Information System. (6 marks)

Question Two

- a) Discuss five points how culture can aid to sustainable development (10 marks)
- b) Giving examples, explain **FIVE** ways through which technology can help save the environment (10 marks)

Question Three

- A) “Environmental Education does not advocate a particular viewpoint or course of action. Rather, environmental education teaches individuals how to weigh various sides of an issue through critical thinking thus enhancing their own problem-solving and decision-making skills”. Discuss this statement in the light of Green Tech. (10 marks)
- B) Critically analyze **FIVE** (5) main relationships between society, culture, and environmental awareness (10 marks)

Question Four

a) Describe how environmental Education has been incorporated into the 8-4-4 secondary school curriculum in Kenya (6 marks)

b) Explain at least **SEVEN** negative impacts of Pesticide usage on the environment (14 marks)

Question Five

A) Explain any **FOUR** criticisms of the Malthusian Theory of population growth (8marks)

B) Discuss the impact of rapid population growth on the natural environment (12 marks).