

511



(Knowledge for Development)

KIBABII UNIVERSITY

**UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR
FOURTH YEAR FIRST SEMESTER
MAIN EXAMINATION**

**FOR THE DEGREES OF BACHELOR OF EDUCATION
(SCIENCE), BACHELOR OF EDUCATION (ARTS), BEE & ECDE**

COURSE CODE: ESM 410

COURSE TITLE: ENVIRONMENTAL EDUCATION

DATE: 23/07/2021

TIME: 9.00am - 11am

INSTRUCTIONS TO CANDIDATES

Answer Question One and any other TWO Questions

TIME: 2 Hours

This Paper Consists of 3 Printed Pages. Please Turn Over. ►

QUESTION 1 (30 MARKS)

- a) State the approaches used in teaching Environmental Education (3 Marks).
- b) Describe education “**about**”, and education “**for**” Environmental Management (4 Marks).
- c) State the goals of environmental education in **Kenya** (8 Marks).
- d) Why is it necessary to teach environmental education to pre-service teachers in Kenya? (6Marks).
- e) Discuss the contribution of the **two** major spheres to life on earth (4 Marks)
- f) Discuss any **five** challenges to population control measures (5 Marks)

QUESTION 2 (20 MARKS)

- a) Using relevant examples describe the various ecosystems (8 Marks)
- b) Citing relevant examples, **explain the pyramid of numbers** in a simple food chain (12 Marks)

QUESTION 3 (20 MARKS)

- a) Financially challenged citizens face social process challenges hence respond negatively towards the environment. Discuss (10 Marks)
- b) Discuss any **five** strategies for minimizing the negative impact of non-sustainable human activities to the environment (10 Marks)

QUESTION 4 (20 MARKS)

- a) Discuss any **five** guiding principle to environmental education that were adopted at the Tbilisi conference (15 Marks).
- b) State any **five** objectives of environmental education (5 Marks)

QUESTION 5 (20 MARKS)

- a) Discuss any **five mitigation measures** the Kenyan government has put in place towards the loss of biodiversity (10 Marks)
- b) Discuss any **five challenges** to human population control measures (10 Marks).