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**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR
FOURTH YEAR FIRST SEMESTER
PART-TIME MAIN EXAMINATION**

COURSE CODE: ESM 411

COURSE TITLE: ENVIRONMENTAL EDUCATION

DATE: 25TH APRIL, 2023

TIME: 2-4 PM

INSTRUCTIONS TO ALL CANDIDATES

Answer question one (1) and any other two (2)

QUESTION ONE (30 MKS)

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

QUESTION TWO (20 MKS)

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

QUESTION THREE (20 MKS)

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

QUESTION FOUR (20 MKS)

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

QUESTION FIVE (20 MKS)

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