



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF EDUCATION

UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF EDUCATION

(ARTS)

1ST YEAR 1ST SEMESTER DECEMBER 2017 ACADEMIC YEAR

INSTITUTIONAL BASED (MAIN)

COURSE CODE: EMA 111

COURSE TITLE: ENVIRONMENTAL EDUCATION

EXAM VENUE: --

STREAM: (BED ARTS)

DATE: 23/12/17

EXAM SESSION: 9.00 – 11.00 AM

TIME: 2.00 HOURS

Instructions:

- 1. Answer question 1 (Compulsory) and ANY other 2 questions**
- 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

Question One

- a) Briefly explain the following:
 - i. Ecology (2mks)
 - ii. Demography (2marks)

- b) Using a well labelled diagram, distinguish between a food chain and a food web (4marks)
- c) State four examples of improper land use practices (4mks)

- d) Describe the hydrological cycle (10mks)

- e) Explain briefly four uses of Hydrosphere (4mks)

- f) With the aid of a diagram, briefly explain the internal structure of the atmosphere? (8marks)

SECTION B.

Question Two

- (a) Describe the meaning of Environmental Impact assessment (5marks)
- (b) Explain the importance of carrying out Environmental Impact assessment before embarking on any project in Kenya (15marks)

Question Three

Describe the contribution of the following conferences on the promotion and development of Environmental Education

- i) Tbilisi Declaration (6mks)
- ii) Belgrade Charter (6mks)
- iii) Stockholm (8mks)

Question Four

- a) Describe the major health problems associated with usage of pesticides and fertilizers (12marks)
- b) What can the government do mitigate against these problems? (8marks)

Question Five

- (a) Explain the Malthusian Theory of population growth (10marks)
- (b) Describe the limitations of this theory (10marks)