

UNIVERSITY EXAMINATIONS DECEMBER 2013

FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR  
OF EDUCATION

COURSE CODE: EMA 111

TITLE: ENVIRONMENTAL EDUCATION

DATE:

DURATION: 3HRS

INSTRUCTIONS

1. This paper contains six questions. Answer THREE questions. **Question 1** is compulsory
2. Write all answers in the booklet provided.

**Question 1 (Compulsory)**

(a) Explain briefly the meaning of the following terms.

- i. Ecosystem (2marks)
- ii. Land carrying capacity(2mks)

- iii. Birth rate (2mks)
- iv. Greenhouse effect (2mks)

(b) State five objectives of the UNESCO-UNEP International Environmental workshop held in Belgrade Yugoslavia in 1975 (5mks)

(c) Explain the role of environmental laws in the management of the environment (5mks)

(d) Discuss four measures the government can take in order to balance between development needs of the nation and protection of the environment (12mks)

### **Question 2**

“The Earth’s Environmental System includes the crust and all that surrounds it.” Discuss this statement using diagrams where applicable (20mks)

### **Question 3**

(a) Explain the Malthusian theory of population growth. (10mks)

(b) What are the major criticisms leveled against this theory (10mks)

### **Question 4**

(a) Describe the various ways by which high human population growth rate affect the environment (12mks)

(b) Explain two direct and two indirect methods of population control (8mks)

### **Question 5**

(a) Explain what is meant by “Ozone layer” (4mks?)

(b) How has the depletion of Ozone layer affected human society? (8mks)

(c) Explain how depletion of the Ozone layer can be halted (8mks)