



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2013/2014

FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF ARTS IN URBAN & REGIONAL
PLANNING WITH INFORMATION TECHNOLOGY
(CITY CAMPUS – WEEKEND)

**PUR 122: ELEMENTS OF PHYSICAL AND BIOLOGICAL
ENVIRONMENT**

Date: 5th April, 2014

Time: 9.00 – 11.00 a.m.

INSTRUCTIONS:

- Attempt Question ONE (COMPULSORY) and any other TWO questions.

**PUR 122 ELEMENTS OF PHYSICAL AND BIOLOGICAL
ENVIRONMENT**

1st year, 2nd semester: Jan - April 2014

CITY CAMPUS

INSTRUCTIONS - Answer question 1 and any other 2 questions

1. Differentiate the following terms

- a)
 - i. Physical Environment and Biological environment
 - ii. Demography and Population
 - iii. Industrial city and Eco city
 - iv. Environmental degradation and Land use
 - v. Urban ecosystem and natural ecosystem

(15 marks)

b) Outline 3 sustainable urban land use practices.

(15 marks)

2.

a) Define the biological environment and its major components.

(10 marks)

b) With the help of a diagram, describe how energy flows in an ecosystem

(10 marks)

3. Describe any five of the following public policies Kenya as a country has taken to conserve the natural environment.

(20 marks)

- i. EIA
- ii. National Constitution 2010
- iii. Physical Planning Act

- iv. National Environmental Policy 2012
- v. Water Act
- vi. Forest Act

4.

a) Define the following terms

i. Renewable resources

(2.5 marks)

ii. Non-renewable resources

(2.5 marks)

b) Name and explain 2 renewable resources and 3 non-renewable resources

(15 marks)

5. The developed world is facing some unique environmental hazards. Outline any five of these issues and their effect on the environment.

(20 marks)

6. Describe five human activities in urban and rural areas and explain how they affect the environment?

(20 marks)