



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF
THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH
SECOND SEMESTER 2017/2018
(MAY - AUGUST, 2018)

PHES 121: ECOLOGY AND HEALTH

STREAM: Y2S1

TIME: 2 HOURS

DAY: TUESDAY, 12:00 PM -2:00 PM

DATE: 28/08/2018

INSTRUCTIONS

- 1. Do not write anything on this question paper.*
- 2. Answer All Questions In Section A And Any Other TWO Question From Section B.*

SECTION A

QUESTION ONE

Define the following:

[5 marks]

- Ecology
- Lithosphere
- Trophic level
- Grassland
- Palaeoecology

QUESTION TWO

Explain the Physico-chemical nature of the biosphere.

[5 marks]

QUESTION THREE

Explain the positive and negative interactions between two different populations.

[5 marks]

QUESTION FOUR

Describe the Ecotone on biotic communities.

[5 marks]

QUESTION FIVE

Explain about Nitrogen cycle.

[5 marks]

QUESTIONSIX

Describe the biotic components of ecosystem.

[5 marks]

QUESTION SEVEN.

Describe the A biotic components of ecosystem.

[5 marks]

QUESTION EIGHT

Describe the impact of ecological disruptions on human health.

[5 marks]

SECTION B

QUESTION ONE

Discuss the Scope of ecology and the factors influencing distribution organisms.

[15 marks]

QUESTION TWO

With suitable illustrations, discuss the energy flow in an ecosystem.

[15 marks]

QUESTION THREE

Discuss biochemical cycles and their significance to humans.

[15 marks]