

UNIVERSITY OF SWAZILAND
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING
RE-SIT EXAMINATION, JULY 2018
B.A., BASS, B. Ed. (FT/PT)

TITLE OF PAPER: BIOGEOGRAPHY

COURSE NUMBER: GEP311/312

TIME ALLOWED: THREE (3) HOURS

INSTRUCTIONS:

- 1. ANSWER THREE QUESTIONS**
- 2. QUESTION 1 IS COMPULSORY**
- 3. ILLUSTRATE YOUR ANSWERS WITH EXAMPLES AND CLEARLY DRAWN DIAGRAMS WHERE APPROPRIATE**

ALLOCATION OF MARKS: QUESTION 1 (COMPULSORY) CARRIES 40 MARKS WHILE THE REST CARRY 30 MARKS EACH

THIS QUESTION PAPER SHOULD NOT BE OPENED UNTIL PERMISSION IS GRANTED BY THE INVIGILATOR

GEP311/312: BIOGEOGRAPHY – JULY 2018

SECTION A: COMPULSORY

QUESTION 1

- a) Using examples, explain how plants and animals adjust to environmental changes.
(20 marks)
- b) Using examples, discuss ecosystem problems that result from human activities.
(20 marks)
(40 Marks)

SECTION B: ANSWER ANY TWO QUESTIONS

QUESTION 2

Discuss how light and temperature affect ecosystem characteristics and development.
(30 Marks)

QUESTION 3

Using examples, explain how physiognomy influences stratification of species in a community.
(30 Marks)

QUESTION 4

With the aid of a diagram, explain how phosphorus cycles in an ecosystem.
(30 Marks)

QUESTION 5

Using examples, explain how energy flows in an ecosystem.
(30 Marks)