

UNIVERSITY OF SWAZILAND
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND
PLANNING
SUPPLEMENTARY EXAMINATION, JULY 2009
B.A., BASS, B.Ed

TITLE OF PAPER: BIOGEOGRAPHY

COURSE NUMBER: GEP 312

TIME ALLOWED: THREE (3) HOURS

INSTRUCTIONS:

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

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

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

GEP 312: BIOGEOGRAPHY – JULY 2009

SECTION A: COMPULSORY

QUESTION 1 – COMPULSORY

- a) Outline the principles behind the theory of Island Biogeography. (25 marks)
- b) Explain the theory's relevance in land use planning and environmental management. (15 marks)
- (40 marks)

SECTION B: ANSWER ANY TWO QUESTIONS

QUESTION 2

Using examples describe the main components of biological cycling. (30 marks)

QUESTION 3

Discuss the laws that govern energy flow. (30 marks)

QUESTION 4

Discuss the various types of terrestrial ecosystems. (30 marks)

QUESTION 5

Using examples, explain how plants and animals are stratified on the earth surface. (30 marks)