

**UNIVERSITY OF SWAZILAND**  
**DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING**  
**FINAL EXAMINATION, DECEMBER 2017**  
**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 – DECEMBER 2017**

**SECTION A: COMPULSORY**

**QUESTION 1**

- a) Using examples discuss the effects of commercial forests on the environment. (15 marks)
- b) You have been tasked to estimate the extent of the spread of invasive plant species on Ntabinezimphisi Mountain. Explain how you will go about undertaking this exercise. (25 marks)
- (40 Marks)**

**SECTION B: ANSWER ANY TWO QUESTIONS**

**QUESTION 2**

Using examples, discuss symbiotic relations between organisms.

**(30 Marks)**

**QUESTION 3**

Using examples, discuss the various applications of biogeographical classifications.

**(30 Marks)**

**QUESTION 4**

Using examples, discuss factors that determine the geographical distribution of animals.

**(30 Marks)**

**QUESTION 5**

- a) Compare and contrast the historical approach and distribution analysis themes used in the study of biogeography. (15 marks)
- b) Explain the factors influencing the biomass present in any particular place. (15 marks)
- (30 Marks)**