

UNIVERSITY OF ESWATINI  
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING  
FINAL EXAMINATION, DECEMBER 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 – DECEMBER 2018**

**SECTION A: COMPULSORY**

**QUESTION 1**

- a) Explain how you would determine the composition and stratification of plant species on Mdzimba Mountain. (20 marks)
- b) Explain how you would determine the soil catena on Mdzimba Mountain. (20 marks)  
**(40 Marks)**

**SECTION B: ANSWER ANY TWO QUESTIONS**

**QUESTION 2**

Using examples, discuss the future roles of biogeography.

**(30 Marks)**

**QUESTION 3**

Discuss strategies that are used to eradicate invasive alien plant species.

**(30 Marks)**

**QUESTION 4**

Explain the ecosystem approach to conservation of the environment.

**(30 marks)**

**QUESTION 5**

Discuss the effects of land pollution on soil properties.

**(30 Marks)**