

**UNIVERSITY OF SWAZILAND**  
**DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING**  
**FINAL EXAMINATION, DECEMBER 2015**  
**B.A., BASS, B. Ed. (FT/PT)**

**TITLE OF PAPER: BIOGEOGRAPHY**

**COURSE NUMBER: GEP 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 PAPER SHOULD NOT BE OPENED UNTIL PERMISSION IS GRANTED BY THE INVIGILATOR**

**GEP 312: BIOGEOGRAPHY – DECEMBER 2015**

**SECTION A: COMPULSORY**

**QUESTION 1**

- a) Explain how you would measure the impact of any invasive plant species in an ecosystem. (10 marks)
  - b) Discuss the impacts of invasive plant species on agricultural activities. (15 marks)
  - c) Explain factors affecting the biomass present in any particular place. (15 marks)
- (40 Marks)**

**SECTION B: ANSWER ANY TWO QUESTIONS**

**QUESTION 2**

Using examples, explain the influence of species distribution on society and culture. (30 Marks)

**QUESTION 3**

Examine human-induced environmental problems which necessitate conservation. (30 Marks)

**QUESTION 4**

Using examples, discuss the advantages of urban greenways. (30 Marks)

**QUESTION 5**

Using examples, explain the role of fire in ecosystem development and management. (30 Marks)