

20



**UNIVERSITY OF SWAZILAND  
FINAL EXAMINATION PAPER**

**PROGRAMME:** BSC ABE 4  
BSC AGRON 4  
BSC AG ED 4

**COURSE CODE:** ABE407

**TITLE OF PAPER:** NATURAL RESOURCES MANAGEMENT

**TIME ALLOWED:** TWO (2) HOURS

**SPECIAL MATERIAL REQUIRED:** NONE

**INSTRUCTIONS:** ANSWER QUESTION ONE AND ANY TWO OTHER  
QUESTIONS.

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BY THE CHIEF INVIGILATOR**

BA

**SECTION A. COMPULSORY QUESTION****Question One**

- a. Explain the meaning of environmental resistance and biotic potential and discuss its influence on the population of living organisms. Use a diagram to illustrate.
- b. Discuss at least four ways in which environmental law enhances appropriate natural resources use and management.

20 Marks

20 Marks

**(40 marks)****SECTION B. ANSWER ANY TWO QUESTIONS****Question Two**

- a. Give a concise discussion why economics is an integral part of natural resources management?
- b. Discuss the potential hydrologic, environmental and socio-economic impacts of deforestation of areas located in close proximity to a water resource.

10 marks

20 marks

**(30 marks)****Question Three**

- a. Using examples, discuss the relevance of the following natural resources management.
- i. Green taxes
- ii. Remotely sensed data GIS software
- iii. Environmental Impact Assessment

10 marks

10 marks

10 marks

**(30 marks)****Question Four**

- a. Describe the law of supply and demand. What are its weaknesses from an environmental standpoint?
- b. Explain what exponential population growth is and how it may influence natural resources use and pollution levels on earth.

15 marks

15 marks

**(30 marks)**