



**UNIVERSITY OF ESWATINI  
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.

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED  
BY THE CHIEF INVIGILATOR**

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

- a. Explain the relevance of the following principles in conservation of natural resources;

i.	Precautionary principle	/5	
ii.	Carrying capacity	/5	
iii.	The law of conservation of matter	/5	
iv.	The laws of energy	/10	
v.	The competitive exclusion principle	/5	30 marks

- b. Explain using examples why understanding of an ecological system is relevant in natural resources conservation?

10 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?

10 marks

- b. Discuss the hydrologic, environmental and socio-economic importance of wetlands.

20 marks

**(30 marks)**

**Question Three**

- a. Discuss the relevance of the following natural resources management.

i.	Environmental law	10 marks
ii.	Green taxes	10 marks
iii.	Controlled human population growth	10 marks

**(30 marks)**



**Question Four**

a. Discuss the importance of the following concepts as used in natural resources management;

- |      |                   |     |
|------|-------------------|-----|
| i.   | Opportunity cost  | \10 |
| ii.  | Natural resources | \10 |
| iii. | Conservation      | \10 |

**(30 marks)**