



**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

PROGRAMME: BSC ABE
BSC AGRON
BSC AG ED

COURSE CODE: ABE 404

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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GRANTED BY THE CHIEF INVIGILATOR**

SECTION A. COMPULSORY QUESTION**Question One**

- a. Discuss what environmental law is and the relevance of Law in natural environmental management. **20 marks**
- b. Choose two of the ecological principles and describe their importance in creating sustainable ecosystems. **20 marks**

SECTION B. ANSWER ANY TWO QUESTIONS**Question Two**

Using examples, explain how the following economic principles may be used to promote sustainable economies;

- i. Discounting **10 marks**
- ii. Opportunity costs **10 marks**
- iii. Green taxes **10 marks**

Question Three

- a. Explain the meaning of the theory of 'doubling time' as used by demographers describing how it could be indicative of a least developed or a developed country. **10 marks**
- b. Describe two procedures you would apply to prevent flooding of a surface water body. **10 marks**
- c. Describe the difference between land tenure and land tenure reform? **10 marks**

Question Four

a. Explain the meaning of the following terms as used in natural resources management;

i. Natural resources /5

ii. Environmental resources /5

10 marks

b. Explain the relevance of the following in conservation of natural resources;

i. Green house effect /5

ii. The law of conservation of matter /5

iii. The law of supply and demand /5

iv. Economic externalities /5

20 marks