



**UNIVERSITY OF SWAZILAND
SUPPLEMENTRAY EXAMINATION PAPER**

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

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. The principles of command economies are said to be good for conservation of natural resources compared to market economies, discuss this statement using realistic examples in your country. **20 marks**
- b. Explain the meaning of the following terms as used in natural resources conservation;
- | | | |
|------|--------------------|----|
| i. | Biomes | /5 |
| ii. | Ecosystem | /5 |
| iii. | Detritus food web | /5 |
| iv. | Exponential growth | /5 |

20 marks

SECTION B. ANSWER ANY TWO QUESTIONS

Question Two

- a. Discuss the importance of EIAs in environmental management and the challenges of its effectiveness in developing countries. **10 marks**
- b. Explain why population histograms are important when studying human populations and how is this information useful in natural resources conservation? **10 marks**
- c. Discuss the negative impacts of inorganic pollutants in water resources. **10 marks**

Question Three

a. Briefly describe the meaning of the following terms as used in environmental management;

- i. Green taxes /5
- ii. Land tenure /5
- iii. The law of conservation of matter /5
- ii. Opportunity costs /5

20 marks

b. Discuss the importance of land tenure reform in land administration and management.

10 marks

Question Four

a. Discuss the shortcomings of the following economic practices used to account for natural resources and promoting their conservation;

- i. Short-term planning
- ii. Failure to incorporate economic externalities
- iii. False measure of progress

15 marks

b. Give concise definitions for the following;

- i. Water quality
- ii. Pollution
- iii. Point source pollution

15 marks