



**UNIVERSITY OF SWAZILAND
RESIT 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**

SECTION A. COMPULSORY QUESTION**Question One**

- a. Education and political freedom (democratic governance) are some of the factors used by United Nations agencies to measure human development. Explain how these factors contribute to the improvement of livelihood standards of a society and how does this translate to improved management of natural resources.

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 two of the environmental issues related to overpopulation in Least Developed 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. Describe any two short comings of market economies in natural resources management.

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. Environmental law is one of the most important tools for natural resources management. Discuss three of the common problems curtailing the enforcement of environmental law in Least Developed Countries.

15 Marks

- b. Discuss the impacts of inorganic pollutants in water resources.

15 marks