



**UNIVERSITY OF SWAZILAND
SUPPLEMENTARY EXAMINATION PAPER**

PROGRAMME: BSC ABE
BSC AGRON
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. Choose two of the ecological principles and describe their importance in creating sustainable ecosystems. **(20 marks)**
- b. Explain why an environmental impact assessment (EIA) is considered a very important tool in natural resources management. **(5 marks)**
- c. Describe the following components of an Environment Impact assessment;
- | | |
|--------------|----|
| a. Scoping | /6 |
| b. Screening | /9 |
- (15 marks)**

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

- a. Discuss why population increase in most developing countries considered an environmental issue? **(15 marks)**
- b. Describe how **green taxes** and the use of **alternative measures of progress** Genuine Progress Indicator (GPI) and Gross National Product (GNP) are important for sustaining economies. **(15 marks)**

Question Three

- a. Explain why good governance is viewed as a vital component for sustainable development of a country? **(10 marks)**
- b. High Population density is associated with environmental degradation. Explain how water resources are negatively impacted by high population density. **(10 marks)**

- c. Explain why land administration is important for land resources use and management? **(10 marks)**

Question four

- a. Discuss any three methods of water resources conservation that could be used at farm or country level to promote responsible use of the resource **(15 marks)**
- b. Describe any three sources of renewable energy that could be used to save non-renewable energy sources. **(15 marks)**