



**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

PROGRAMME: 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. Using a diagram to illustrate, discuss the links between population growth, natural resources use and pollution. (20 marks)
- b. Discuss the concept of the "systems theory" in relation to sustainable development. (20 marks)

SECTION B. ANSWER ANY TWO QUESTIONS

Question Two

- a. Explain the meaning of development according to United Nations Development Programme, and how it could resolve environmental problems of third world countries such as food insecurity and high unemployment rates. (15 marks)
- b. Describe how the use of **green taxes** and the use of and **full-cost pricing** are used for developing sustainable economies. (15 marks)

Question Three

- a. Discuss two short comings of market economies. (15 marks)
- b. Discuss the meaning of the following approaches used in natural resources management;
 - i. Preservation
 - ii. Utilitarian
 - iii. Exploitation(15 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. Some environmental laws are preventive in nature and seek to assess the possible impacts before the human activities can occur. Name two of such environmental laws that prevent adverse effects from occurring. Choose one and **briefly** explain how it is actually effected.

(15 marks)