



**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

PROGRAMME: BSC LWM 4 AND BSC AG ED 4

COURSE CODE: LUM 404 M (NEW)

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

Using urbanization, climate change, land degradation and water resources pollution as examples, describe how population growth has influenced natural resource use and management.

40 marks

SECTION B. ANSWER ANY TWO QUESTIONS

Question Two

- a. Using examples, explain the importance of environmental law as a tool for environmental management. 15 marks
- b. Differentiate between renewable and non-renewable resources and suggest how they may be harvested in a sustainable manner. 15 marks

Question Three

- a. Explain the meaning of the following terms as used in resources management;
 - i. Sustainable development
 - ii. Social justice
 - iii. Integrated environment management15 marks
- b. Give a brief description of how global climate change affects agricultural production in your country? 15 marks

Question Four

- a. Explain how the following components of an environmental impact assessment (EIA) are useful in natural resources management.

- i. Scoping
- ii. Public hearing
- iii. Comprehensive Mitigation Plan

15 marks

- b. An FAO survey report of 2001 indicated that both livestock and crop production on Swazi Nation Land (SNL) have been declining since 1990s. The decline in land productivity may have contributed to the increasing poverty levels. Discuss the land management issues on SNL that maybe contributing to these problems.

15 marks .