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**UNIVERSITY OF SWAZILAND
SUPPLEMENTARY EXAMINATION PAPER**

PROGRAMME: BSC LWM 4 AND BSC AG ED 4

COURSE CODE: LUM 404 S

TITLE OF PAPER: NATURAL RESOURCES MANAGEMENT

TIME ALLOWED: TWO (2) HOURS

SPECIAL MATERIAL REQUIRED: NONE

INSTRUCTIONS: ANSWER QUESTION ONE AND ANY TWO
OTHER QUESTIONS.

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN
GRANTED BY THE CHIEF INVIGILATOR**

SECTION A. COMPULSORY QUESTION**Question one**

- a. Describe what is the meaning of Integrated Environmental Management and its importance in natural resources management? **10 marks**
- b. Describe the following processes of an EIA and their relevance in environmental management:
- i. Project screening **15 marks**
 - ii. Scoping **10 marks**
 - iii. Comprehensive mitigation plan **5 marks**

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

- a. Describe using examples the difference between renewable and non-renewable resources. **10 marks**
- b. Explain what you understand by human development and describe how it can support or hinder economic development in a country. **20 marks**

Question three

- a. Explain the meaning of "green house effect" as used in the global warming context. **5 marks**
- b. Briefly describe the activities that contribute to the increase of green house gases in the atmosphere. **10 marks**
- c. What is the Kyoto Protocol and explain how it purports to reduce gaseous emissions in the world? **15 marks**

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Question four

- a. Explain what sustainable development is? **5 marks**

- b. Explain how the following principles relate to sustainable development:
 - i. Systems theory **5 marks**
 - ii. Dematerialization **5 marks**
 - iii. Social justice **5 marks**
 - iv. Accounting for natural capital stock **5 marks**
 - v. Precautionary principle **5 marks**