

**UNIVERSITY OF SWAZILAND
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND
PLANNING**

**FINAL EXAMINATION : MAY 2007
B.Sc. IV**

TITLE OF PAPER : **RESOURCE MANAGEMENT**

COURSE NUMBER : **GEP 434**

TIME ALLOWED : **THREE (3) HOURS**

INSTRUCTIONS : **ANSWER ANY TWO QUESTIONS FROM
EACH SECTION
ILLUSTRATE YOUR ANSWERS WITH
APPROPRIATE DIAGRAMS**

MARKS ALLOCATED : **ALL QUESTIONS CARRY 25 MARKS EACH**

**THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN GRANTED
BY THE INVIGILATOR**

SECTION A: ANSWER ANY TWO QUESTIONS

Question 1.

Discuss how economic and social impact analysis of a development project can be undertaken, specifying the levels of intensity and information needed to undertake such analysis.

(25 marks)

Question 2.

Discuss the process and procedure to be followed when creating a map from satellite data to be used for decision-making in land use, highlighting the facilities and inputs for such an exercise.

(25 marks)

Question 3.

Discuss the four main kinds of suitability classification recognised by the FAO Framework.

(25 marks)

SECTION B: ANSWER ANY TWO QUESTIONS

Question 4

Briefly, discuss the sources of main atmospheric pollutants that cause the greenhouse effect.

(25 marks)

Question 5

- (a) Discuss the main environmental problems associated with commercial agricultural development in Swaziland; **(12 marks)**
- (b) Discuss possible strategies to reduce the problems identified in (a). **(10 marks)**
(25 marks)

Question 6

- (a) Describe the importance and principles of State of the Environment Reporting (SOER). **(10 marks)**
- (b) Analyse the basic principles of any two international conventions and explain their importance in environmental management and conservation. **(15 marks)**
(25 marks)