

UNIVERSITY OF SWAZILAND
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE & PLANNING

FINAL EXAMINATION, DECEMBER 2008
MSc

**TITLE OF PAPER : ENVIRONMENTAL MANAGEMENT AND
RESOURCE ECONOMICS**

COURSE NUMBER : ERM 601

TIME ALLOWED : THREE (3) HOURS

**INSTRUCTIONS : ANSWER TWO (2) QUESTIONS
ILLUSTRATE YOUR ANSWERS WITH
APPROPRIATE DIAGRAMS**

**MARK ALLOCATION : EACH QUESTION CARRIES FIFTY (50)
MARKS**

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

ERM 601: ENVIRONMENTAL MANAGEMENT AND RESOURCE ECONOMICS

QUESTION 1

Evaluate the environmental impacts of the tourism sector in any SADC country.

(50 marks)

QUESTION 2

- a) Examine the challenges facing the mining industry in implementing sustainable development requirements in Southern Africa. (25 marks)
- b) Explore mining environmental policies and legislation in Swaziland and suggest why these policies and legislation often fail to solve mining environmental problems. (25 marks)

(50 marks)

QUESTION 3

- a) With reference to the basic concepts of 'willingness to pay (WTP)' and 'willingness to accept (WTA)', discuss the economic valuation methods of environmental goods and services. (25 marks)
- b) Elucidate the economic and ecological carrying capacity for the revival of grazing management schemes as applied to the pastoral systems in Zimbabwe. (25 marks)

(50 marks)

QUESTION 4

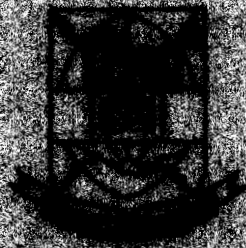
- a) With reference to specific African countries examine the environmental risks of genetically modified crops. (25 marks)
- b) Examine the challenges of and trends in wildlife management in any SADC country. (25 marks)

(50 marks)

END OF EXAM PAPER

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(a) [REDACTED]

(b) [REDACTED]