UNIVERSITY OF SWAZILAND DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING

FINAL EXAMINATION:

MAY 2007

MSc

TITLE OF PAPER

LAND AND WATER RESOURCES

PLANNING AND MANAGEMENT

COURSE NUMBER

ERM 622

TIME ALLOWED

THREE (3) HOURS

INSTRUCTIONS

ANSWER ANY TWO QUESTIONS

CHOOSING ONE FROM EACH SECTION

MARKS ALLOCATED

: EACH QUESTION CARRIES 50 MARKS

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

ERM 622: LAND AND WATER RESOURCES PLANNING AND MANAGEMENT

SECTION A

ANSWER ONE QUESTION

QUESTION 1

Discuss the differences between planning and management in the sector of water resources.

(50 marks)

QUESTION 2

Discuss the role of optimization in water resources planning.

(50 marks)

SECTION B

ANSWER ONE QUESTION

QUESTION 3

Critically discuss the role of ecological planning in land use planning and land conservation (50 marks)

QUESTION 4

Discuss the recent trends in land use planning highlighting how they have been incorporated in planning the uses and management of land in Swaziland. (50 marks)