

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

**FINAL EXAMINATION:                      MAY, 2009**  
**MASTERS**

**TITLE OF PAPER                      :              LAND AND WATER RESOURCES**  
**MANAGEMENT**

**COURSE NUMBER                      :              ERM 622**

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

**INSTRUCTIONS                         :              ANSWER ONE QUESTION FROM**  
**EACH SECTION**  
**ILLUSTRATE YOUR ANSWERS WITH**  
**APPROPRIATE DIAGRAMS**

**MARKS ALLOCATED                      :              ALL QUESTIONS CARRY EQUAL MARKS**

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

## **SECTION A ANSWER ONE QUESTION**

### **Question 1**

Explain any two methods used to estimate the available water resources of a catchment. **(50 marks)**

### **Question 2**

Compare and contrast between riparianism and prior appropriation in water law. **(50 marks)**

## **SECTION B ANSWER ONE QUESTION**

### **Question 3**

Examine the relationships between land policy, land tenure and land management in Swaziland. **(50 marks)**

### **Question 4**

Discuss how the rural land market in sub Saharan Africa can be improved so that it functions more effectively. **(50 marks)**