



**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)**