

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

**SPECIAL EXAMINATION, SEPTEMBER, 2020**

**MSc**

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

**COURSE NUMBER** : **GEP604**

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

**INSTRUCTIONS** : **ANSWER TWO QUESTIONS: ONE FROM EACH  
SECTION**

**MARK ALLOCATION** : **EACH QUESTION CARRIES FIFTY (50) MARKS**  
**TOTAL: 100 MARKS**

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

**GEP 604: LAND AND WATER RESOURCES PLANNING AND  
MANAGEMENT**

**SECTION A: ANSWER ONE QUESTION FROM THIS SECTION**

**QUESTION 1:**

Review the problems and challenges of soil erosion and land degradation in Eswatini, and explain the potential complications posed by global climate change scenarios.

**(50 Marks)**

**QUESTION 2**

'The management of natural resources in Eswatini is fundamental to sustainable development.' Critically discuss this statement by making reference to specific examples of **either** renewable **or** non-renewable land resources.

**(50 Marks)**

**SECTION B: ANSWER ONE QUESTION FROM THIS SECTION**

**QUESTION 3**

Discuss the importance of economic analysis in the sector of water resources planning and management.

**(50 Marks)**

**QUESTION 4**

Discuss the importance of both economic and physiographic analysis in the sector of water resources.

**(50 Marks)**

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