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2<sup>ND</sup> SEM. 2004/2005

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**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

**PROGRAMME: DIPLOMA IN AGRICULTURE II  
DIPLOMA IN AGRICULTURAL EDUCATION II.**

**COURSE CODE: APH 203 ✓**

**TITLE OF PAPER: RANGE AND RANCH MANAGEMNT**

**TIME ALLOWED: TWO (2) HOURS**

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN  
GRANTED BY THE CHIEF INVIGILATOR.**

**QUESTION 1**

Using the lowveld and highveld of Swaziland range types, explain the differences between sweetveld and sourveld. (25 Marks)

**QUESTION 2**

Apart from its value for livestock production, describe other socio economic values of rangelands to man. Describe the relevance of each value to Swaziland or Botswana. (25 Marks)

**QUESTION 3**

Water and labour are some of the main considerations in a ranching operation.

- a) Discuss two (2) sources of surface water, giving advantages and disadvantages of each source. (12.5 Marks)
- b) Give an outline on the management of labour. (12.5 Marks)

**QUESTION 4**

Discuss range reseeding as one of the technologies you could adopt to address your country's natural veld of low yield and quality. (25 Marks)

**QUESTION 5**

Explain the relationship of grazing intensity to range condition and its impact on the performance of range-livestock. (25 Marks)