

2nd SEM. 2005/2006

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**UNIVERSITY OF SWAZILAND
FACULTY OF AGRICULTURE
FINAL EXAMINATION PAPER**

**PROGRAMME : B.Sc. AGRICULTURE (APH AND LWM
OPTIONS) IV**

DEPARTMENT : ANIMAL PRODUCTION AND HEALTH

TITLE OF PAPER : PASTURE AND FODDER MANAGEMENT

COURSE CODE : APH 401

TIME ALLOWED : TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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GRANTED BY THE CHIEF INVIGILATOR**

QUESTION 1

- a) Forage legumes can play a significant role in upgrading pastures although their seeds have a dormancy problem. Explain how you would overcome hard seedness in legumes. (12 Marks)
- b) Explain how you could improve the quality and utilization of silage. (13 Marks)

QUESTION 2

Annual rye grass (*Lolium multiflorum*) is one of the most vigorous annual grasses which is used as the primary feed source for livestock during winter. Describe the general routine measures that you would apply to successfully establish this pasture. (25 Marks)

QUESTION 3

Discuss what would happen to a pasture which is grazed too frequently. (25 Marks)

QUESTION 4

Describe the characteristics that you would consider for introducing grasses as improved cultivated pasture. (25 Marks)

QUESTION 5

Write short notes on:

- a) Growth requirements of pasture plants (7 Marks)
- b) Digestibility and palatability of pasture plants (8 Marks)
- c) Rotational grazing system (10 Marks)