

UNIVERSITY OF FORT HARE

AGP 321

Supplementary Examinations

January 2019

Time : 3 Hours

Subject: Fodder Production and Conservation

Marks: 100

This paper consists of 2 printed pages including the cover page

Internal Examiner

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Internal Moderator

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INSTRUCTIONS

1. Answer any **five** questions
2. It is in your best interest to write clearly and legibly

QUESTION 1 (20 MARKS)

Describe the irrigation management of fodder crops

QUESTION 2 (20 MARKS)

(a) Fodder yield production depends on the following parameters, example how this affect fodder yield:

- (i) Climate (2 marks)
- (ii) Weather conditions (2 marks)
- (iii) Water supply (2 marks)
- (iv) Soil fertility (2 marks)
- (v) Fertilizer applied (2 marks)

(b) Elaborate on mechanical control of pasture weeds. [10 marks]

QUESTION 3 (20 MARKS)

(a) When would silage additives be needed? Give examples of the different types of additives available and how they are utilized. (6 marks)

(b) Describe the hay making procedure (14 marks)

QUESTION 4 (20 MARKS)

Describe the factors that affect the silage quality

QUESTION 5 (20 MARKS)

Describe the factors that influence the rates of fertiliser application in fodder crops.

QUESTION 6 (20 MARKS)

(a) Define the term 'fodder flow' and state the objective of fodder flow planning. [5 marks]

(b) Briefly describe the two variables that are modified in order to achieve the objectives of fodder flow planning. [15 marks]