



UNIVERSITY OF SWAZILAND

1st SEM. 2017/2018

FINAL EXAMINATION PAPER

**PROGRAMMES: B.Sc. ANIMAL SCIENCE YEAR 3 AND B.Sc. ANIMAL SCIENCE
(DAIRY OPTION) YEAR 3**

COURSE CODE: ASC 301/ AS 305

TITLE OF PAPER: PASTURE AND FODDER MANAGEMENT

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

Discuss the role of sown pastures under the headline “They provide “better quality feed”.

(25 Marks)

QUESTION 2

Seed quality affects the extent of pasture establishment. Discuss seed quality under the headline “Freedom from contamination”.

(25 Marks)

QUESTION 3

- (a) Why do many tropical legume seeds need scarification before planting?
- (b) Outline the merits and demerits of including fodder legumes in grass pastures.

(5 Marks)

(20 Marks)

QUESTION 4

(a) Discuss the importance of adjusting the frequency of grazing and leaving recommended stubble height after grazing in pasture management.

(10 Marks)

(b) Outline any FIVE (5) advantages of zero grazing.

(15 Marks)

QUESTION 5

To increase milk production, some farmers feed silage throughout the year.

Give an outline of silage making under the headlines:

- (a) Time of harvesting the fodder crop to be used in silage making.
- (b) The use of molasses during silage making.

(15 Marks)

(10 Marks)