



2nd SEM. 2018/2019

UNIVERSITY OF ESWATINI

FINAL EXAMINATION PAPER

**PROGRAMME: B.Sc. ANIMAL SCIENCE (DAIRY
OPTION) YEAR III**

COURSE CODE: ASD 303

TITLE OF PAPER: DAIRY PRODUCTION

TIME ALLOWED: TWO (2) HOURS

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

**THIS PAPER SHOULD NOT BE OPENED UNTIL THE CHIEF
INVIGILATOR HAS GRANTED PERMISSION.**

QUESTION 1

A farmer wants to start a dairy farm and seeks advice on the production system to use. Explain the factors that determine which production system to choose and briefly explain the three production systems.

(25 Marks)**QUESTION 2**

Explain the three main types of fodder available for dairy cattle feeding and give five (5) examples in each.

(25 Marks)**QUESTION 3**

Explain the importance of observing the following in dairy cattle farming:

- a. Service period. **(9 Marks)**
- b. Age at first calving. **(8 Marks)**
- c. Dry period. **(8 Marks)**

QUESTION 4

Discuss the following:

- a. Silage making. **(15 Marks)**
- b. Breeding goals in dairy cattle management. **(10 Marks)**

QUESTION 5

With an aid of a diagram, discuss lactation persistency and explain five (5) factors that affect lactation persistency.

(25 Marks)