



UNIVERSITY OF ESWATINI

1st SEM. 2019/2020

RESIT EXAMINATION PAPER

**PROGRAMME: B.Sc. ANIMAL SCIENCE YEAR 1 AND B.Sc. ANIMAL SCIENCE
(DAIRY OPTION) YEAR 1**

COURSE CODE: ASC 101

TITLE OF PAPER: INTRODUCTORY ECOLOGY

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS

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

QUESTION 1

- (a) Highlight **five (5)** phenomena ecology seeks to explain.
- (b) Give an outline of the chief sources of gain and losses of mineral nutrients.

(10 Marks)

(15 Marks)

QUESTION 2

Describe the role of producers and detritivores in the trophic level.

(25 Marks)

QUESTION 3

- (a) Give an example of a community.
- (b) Differentiate between autecology and synecology.

(15 Marks)

(10 Marks)

QUESTION 4

- (a) Explain the term "ecosystem".
- (b) Give an outline on the balance of nature.

(5 Marks)

(20 Marks)

QUESTION 5

Describe the interaction called "herbivory".

(25 Marks)