



UNIVERSITY OF SWAZILAND
1st SEM. 2016/2017
RE-SIT EXAMINATION PAPER

PROGRAMME: BSc. ANIMAL SCIENCE YEAR 1
BSc. ANIMAL SCIENCE (DAIRY OPTION) YEAR 1

COURSE CODE: ASC 101

TITLE OF PAPER: INTRODUCTORY ECOLOGY

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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QUESTION 1

(a) Define the following terms:

i. Population Ecology

(5 Marks)

ii. Niche

(5 Marks)

(b) Define and give an example of a community

(15 Marks)

QUESTION 2

Fully discuss the integrity of the ecosystem under the headlines:

(a) In the natural world nothing exists in isolation but in a state of interdependence.

(15 Marks)

(b) Ecology equips people for more efficient control, use and conservation of vital, non-renewable natural resources through knowledge.

(10 Marks)

QUESTION 3

Give an outline of **FIVE (5)** benefits of diverse range plant community.

(25 Marks)

QUESTION 4

Discuss briefly the first two types of factors that affect species richness.

(25 Marks)

QUESTION 5

Describe **FIVE (5)** ways in which growing (live) plants interact with grazing and browsing animals.

(25 Marks)