



**1<sup>ST</sup> SEM. 2018/2019**

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**UNIVERSITY OF ESWATINI**

**RE-SIT EXAMINATION PAPER**

**PROGRAMME: BSC. ANIMAL SCIENCE YEAR 1  
BSC. ANIMAL SCIENCE DAIRY OPTION YEAR 1**

**COURSE CODE: ASC101**

**TITLE OF PAPER: INTRODUCTORY ECOLOGY**

**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**

- (i) Give the hierarchical structure of ecosystems. (15 Marks)
- (ii) What are the three natural laws of ecology? (10 Marks)

**QUESTION 2**

Describe the concept of herbivory. (25 Marks)

**QUESTION 3**

Discuss the influence of animal organisms on plants. (25 Marks)

**QUESTION 4**

Write short notes on the following:

- (i) Herbivores (5 Marks)
- (ii) Carnivores (10 Marks)
- (iii) Detritivores (10 marks)

**QUESTION 5**

Using **FIVE (5)** examples, explain how animals interact with plants. (25 Marks)