

UNIVERSITY OF ESWATINI

1st SEM. 2020/2021

FINAL EXAMINATION PAPER

PROGRAMME:

B.Sc. ANIMAL SCIENCE YEAR 1 AND B.Sc. ANIMAL SCIENCE

(DAIRY OPTION) YEAR 1

COURSE CODE:

ASC103

TITLE OF PAPER: INTRODUCTION TO 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) Define the term ecosystem and give one example. (b) Giving two (2) examples for each (where applicable), outline the seven ecosystem components.	(5 Marks)
	QUESTION 2
Giving one (1) example for each type, describe:	
(i) Facultative mutualism	(12 Marks)
(ii) Obligate mutualism	(13 Marks)
QUESTION 3	
(a) What is resource partitioning?	(7 Marks)
(b) Using cichlid fishes of the African Great Lakes, describe an excellent	
example of resource partitioning.	(18 Marks)
QUESTION 4	(E. Maulza)
(a) State the two (2) fundamental ecological principles.	(5 Marks)
(b) Describe the interaction called herbivory.	(20 Marks)
QUESTION 5	(10 M 1 1
(a) Define and illustrate plant succession.	(10 Marks)
(b) Give an outline of the chief sources of gain and losses of mineral	annar 1 S
nutrients.	(15 Marks)