

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER 2015/16

TITLE OF PAPER: AFRICAN ECOLOGY AND CONSERVATION

COURSE CODE: ERM612/BIO606

TIME ALLOWED: THREE HOURS

INSTRUCTIONS:

- 1. THE EXAMINATION HAS FOUR (4) QUESTIONS. ANSWER ANY THREE (3).**
- 2. EACH QUESTION CARRIES 30 MARKS.**
- 3. ILLUSTRATE YOUR ANSWERS WITH LARGE AND CLEARLY LABELLED DIAGRAMS WHERE APPROPRIATE.**

SPECIAL REQUIREMENTS: NONE

THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATORS

QUESTION 1

Are the populations of animal species regulated top-down? Or bottom-up? Provide a critical review of this field.

[30 Marks]

QUESTION 2

What is “macroecology”? Explain in detail using examples to illustrate your answer.

[30 Marks]

QUESTION 3

“There is no evidence to suggest that refugia existed in Africa”. Critically discuss and evaluate this statement.

[30 Marks]

QUESTION 4

Explain how the field of reserve design and selection has developed in the past 3 decades.

[30 Marks]