

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER 2008/9

TITLE OF PAPER: AFRICAN ECOLOGY AND CONSERVATION

COURSE CODE: ERM612

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

Discuss the importance of Red Data Books in the conservation of African vertebrates. Include, in your answer, a description of how species are assigned RD categories.

[30 Marks]

QUESTION 2

“Conservation goals can be met by conserving hotspots of species richness”. Critically discuss this statement.

[30 Marks]

QUESTION 3

What role will climate change play in conservation of biodiversity in Africa?

[30 Marks]

QUESTION 4

In Africa, there is a general concordance between human densities and areas rich in endemic species. How does this impact on current conservation efforts on the continent, and what solutions may prove effect? Begin your answer by describing this concordance in some detail.

[30 Marks]