

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER 2016/17

TITLE OF PAPER: Mammalian Conservation

COURSE CODE: BIO613

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

Critically discuss the various traits exhibited by mammals that have allowed them to dominate most terrestrial ecosystems.

[30 Marks]

QUESTION 2

Define what is meant by the term “threatened” and explain in detail how threat status can be quantified. Then explain what the most important correlates of threatened mammals are.

[30 Marks]

QUESTION 3

“Large carnivores are incompatible with humanity and are therefore doomed to extinction”. Discuss this statement.

[30 Marks]

QUESTION 4

Ungulates have declined precipitously in Africa. Provide evidence for these details, explaining which parts of the continent are worst affected. What conservation actions appear to have worked in maintaining wild ungulate populations in Africa?

[30 Marks]