2530024

THE UNIVERSITY of York

Degree Examination 2007

ENVIRONMENT DEPARTMENT

BSc Environment, Economics & Ecology
BSc Environmental Science
Part 2

WILDLIFE CONSERVATION & MANAGEMENT

Time allowed: **two hours**

Answer **ANY TWO** questions

Pay adequate attention to spelling, punctuation and grammar, so that your answers can be readily understood

1. To what extent can mathematical models contribute to our understanding of the ecology and management of wildlife disease? Illustrate your answer with reference to specific examples.

2. Discuss, using examples, the significance of habitat heterogeneity for wildlife conservation and management.

3. Discuss, with examples, the relative importance of in-situ and ex-situ methods in the conservation of wild vertebrate populations.

4. Write a project proposal indicating how you would conduct a 3-year study into the relative effectiveness of poison baiting versus kill-trapping of stoats to promote kiwi conservation in New Zealand. Your answer should include sections on (1) the ecological background and rationale for the study, (2) specific objectives to be addressed and the (3) methods to be used.