2530007

THE UNIVERSITY *of York*

Degree Examination 2005

ENVIRONMENT DEPARTMENT

BSc in Environment, Economics and Ecology, Part II

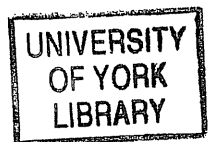## VALUATION OF ENVIRONMENTAL RESOURCES

Time allowed: **two hours**

Answer **TWO** questions out of **FOUR**
All questions are equally weighted.
Answer all parts of the questions.
Please refer to readings and other material used in classes.

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

1) Report and discuss with accurate reference to your readings the major criticisms moved against the use of stated preference methods in environmental valuation. Use examples to illustrate your points.

2) First, outline the objectives of an environmental valuation exercise of your choice with reference either to a real case study from the literature or to a fictitious one. Then, describe in details the various phases required in the environmental valuation study of your choice. Use examples to illustrate your points.

3) Choose one revealed preference method and discuss its suitability and range of applications in non-market valuation of environmental goods. Make clear reference to your readings and to the challenges this methodology is facing at present in the profession. Use examples to illustrate your points.

4) Describe the differences in use of the models for "total recreation demand" and for "site selection" in the practice of travel cost modelling. Illustrate your points with reference to the literature and to examples, with particular emphasis on the issue of site substitutability. Describe the difference in data requirement, in the functional forms and in the results potentially obtainable.