

THE UNIVERSITY *of York*

Degree Examination 2007

ENVIRONMENT DEPARTMENT

**MSc Marine Environmental Management
MSc Environmental Science & Management
MSc Environmental Economics & Environmental Management
MSc Environmental Economics**

FISHERIES ECOLOGY & 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. Explain why single species management of fisheries so often fails.
2. Discuss the options available to fishery managers for controlling fishing mortality. In your answer, explore some of the advantages and disadvantages of the methods you describe.
3. Discuss some of the major underlying causes of fishery declines over the last 25 years.
4. Describe some of the major changes in exploited fish populations and the structure of marine ecosystems over the last hundred years. Discuss the underlying causes of these changes.