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THE UNIVERSITY *of York*

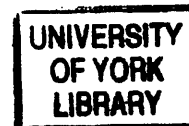
Degree Examination 2005

ENVIRONMENT DEPARTMENT

BSc in Environment, Economics and Ecology, Part II

FOREST MANAGEMENT

Time allowed: two hours



Answer TWO questions out of FOUR

University calculators will be provided

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

**Question 1.**

What are the key ecological variables that a forester needs to bear in mind when selecting tree species for a plantation?

**Question 2.**

Discuss the economic importance of non-timber forest products.

**Question 3.**

Outline the management objectives you would choose for a management plan for Tanzanian rain forests. Give reasons for your choices.

**Question 4.**

The table below contains some financial data on plantation establishment and expected yield in Britain.

	Year	£ per hectare
<b>Cost</b>		
Land purchase	0	400
Ploughing	0	30
Fencing	0	650
Planting	0	580
Weeding	1, 2, 3	430
Beating up	2	70
Brashing	20	40
Pruning	16, 20, 28	150
Clear felling	45	250
<b>Benefit</b>		
Value of crop	45	6500

- Calculate the discounted values of net costs and benefits for discount rates of 0%, 2% and 6%. Show your working. (25% of marks)
- What is your view on the use of discount rates in British forest policy? (75% of marks)