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THE UNIVERSITY *of York*

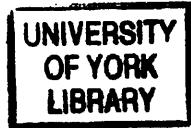
Degree Examination 2005

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
Cost		
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
Benefit		
Value of crop	45	6500

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