



QUESTION WORKBOOK

Managing ecosystems sustainably: timber, fish and the yield curve

Ecology, populations and environmental change · Unit B20

OCR A 6.3.2 · Edexcel A 5.22 · Edexcel B 10.4 i, 10.4 iii

5 questions · 18 marks

PRINT EDITION

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SECTION B · Standard, 3 to 5 marks**B1**

MES-Q1

Describe how a hazel wood is managed by rotational coppicing, and describe the effect this has on the number of habitats in the wood. [4]

B2

MES-Q2

Evaluate the use of aquaculture, the farming of fish in cages, as a way of reducing pressure on wild fish stocks. [4]

B3

MES-Q3

A government proposes to cut the quota for a declining fish stock by half. Discuss the arguments for and against the proposal. [4]

B4 Explain why the maximum sustainable yield from a fish stock is obtained when the population is held at about half its carrying capacity. [3]
MES-Q4

B5 Explain how increasing the mesh size of a fishing net and closing a fishery during the spawning season each help a fish stock to recover. [3]
MES-Q5

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