2.6 Tropical Rainforests: Sustainable Management Strategies: 10-minute Pack

AQA 8035 · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Define the term 'sustainable management' as it applies to a tropical rainforest ecosystem.

(Total for Question 1 is 1 mark)

2 Give ONE economic reason why some governments still allow clearance of rainforest despite sustainable management options existing.

(Total for Question 2 is 1 mark)

3 State ONE way that selective logging differs from clear-felling in rainforest management.

(Total for Question 3 is 1 mark)

4 State TWO criteria that an FSC style certification scheme uses to judge whether a timber producer is managing a rainforest sustainably.

(Total for Question 4 is 2 marks)

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5 Give ONE example of a measurable indicator that conservation programmes might use to show that a rainforest management scheme is succeeding.

(Total for Question 5 is 2 marks)

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6 Describe TWO environmental benefits of replanting native tree species after selective logging in a tropical rainforest.

(Total for Question 6 is 2 marks)

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Mark scheme · 2.6 Tropical Rainforests: Sustainable Management Strategies: 10-minute Pack

Question 1

management that meets current needs while conserving the forest so it can provide resources and services for future generations, oe **B1**

Answer: Management that meets current needs while conserving the forest so it can continue to provide resources and ecosystem services for future generations.

Question 2

short term financial gain from activities such as agriculture, cattle ranching or commercial plantations, oe **B1**

Answer: Short term financial gain from activities such as agriculture, cattle ranching or commercial plantations.

Question 3

selective logging removes only chosen trees while clear-felling removes most or all trees from an area, oe **B1**

Answer: Selective logging removes only chosen trees, whereas clear-felling removes most or all trees from an area.

Question 4

criterion 1, e.g. maintaining biodiversity, oe **B1**

criterion 2, e.g. ensuring legal and traceable supply chains, oe **B1**

Answer: For example, maintaining biodiversity and ensuring legal, traceable supply chains.

Question 5

measurable indicator, e.g. area of forest under protection increased (hectares), population trend of a key species, or number of local people employed in sustainable jobs, oe **B1**

linked detail showing why it is measurable and relevant, oe **B1**

Answer: For example, an increase in area of forest under protection measured in hectares, or a rising population trend for a key species; these are measurable indicators of success and can be monitored over time.

Question 6

restores tree cover, reducing soil erosion and stabilising soils, oe **B1**

helps rebuild habitat for wildlife, supporting biodiversity recovery, oe **B1**

Answer: Replanting restores tree cover which reduces soil erosion and stabilises soils, and it helps rebuild habitat for wildlife, supporting biodiversity recovery.

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