

# Assesment paper



## OCR

Oxford Cambridge  
and RSA

**GCSE (9-1) Geography A  
(Geographical Themes)**

**J383/02 The World Around Us**

**Date -**

**Morning/Afternoon**

**Duration: 1 hour**

Candidate forename	
Candidate surname	

Centre number						Candidate number				
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### Instructions to candidates

- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer all the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
- You will need to use a calculator.
- Do not write in the barcodes.

### Information for candidates

- The total number of marks for this paper is **51**.
- The number of marks is given in brackets [ ] at the end of each question or part question.
- Quality of extended responses will be assessed in questions marked with an asterisk (\*).
- Spelling, punctuation and grammar and the use of specialist terminology (SPaG) will be assessed in questions marked with a pencil ( ).

## STUDENT SHEET 8a

1. Use Figure 1 to describe the global distribution of coral reefs.

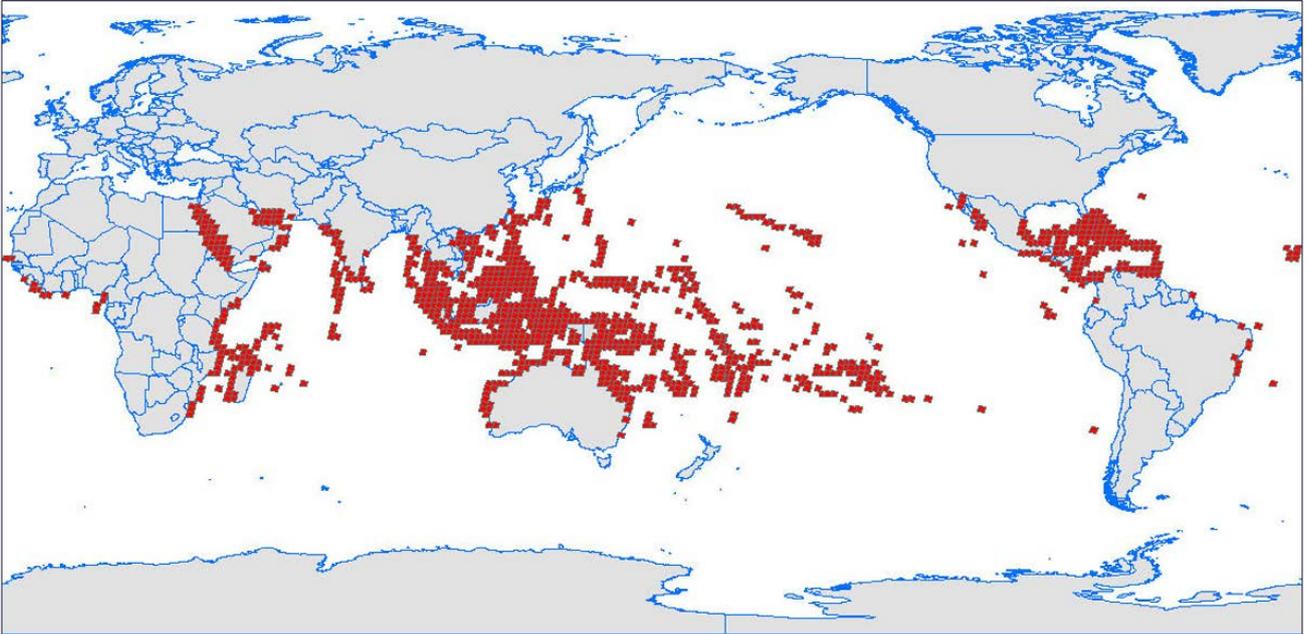
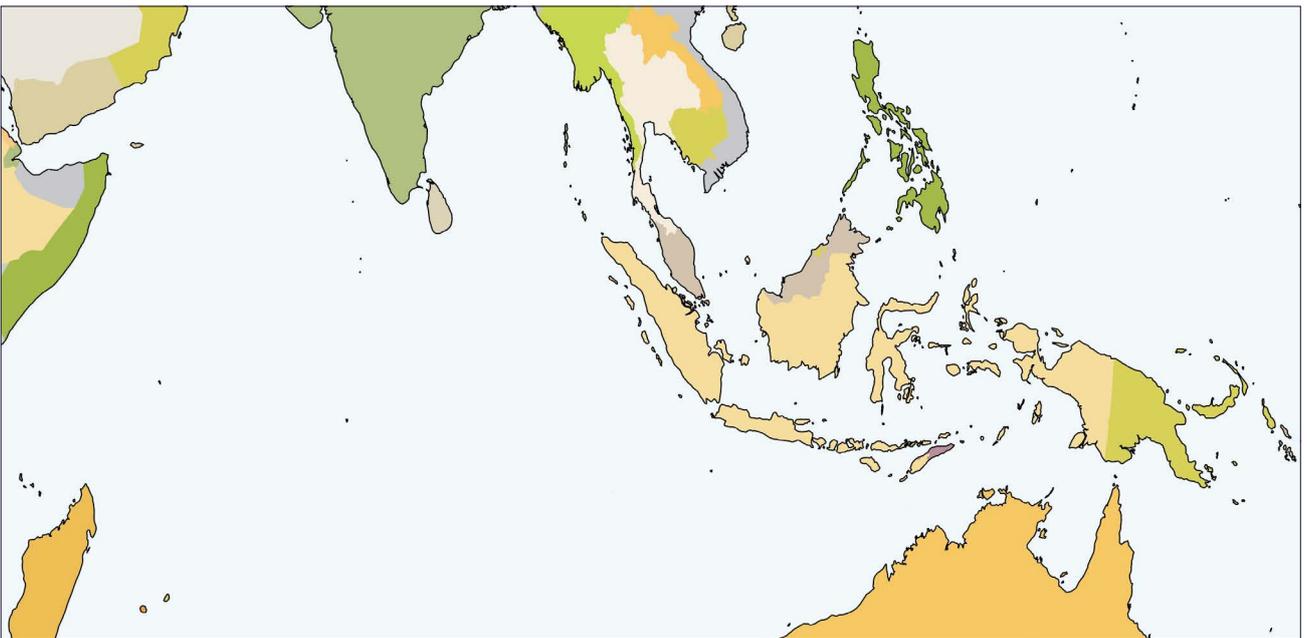


Figure 1 - Map showing the location of coral reefs.

[2]

2. Identify Timor-Leste on the map of Asia below.



[1]

## STUDENT SHEET 8a

3. Using figure 1 name three more countries which have coral reefs.

a.

b.

c.

[3]

4. Identify two features of the physical environment which are necessary for a coral reef environment.

a.

b.

[2]

5. Describe and explain the formation of a coral atoll. You may use a diagram to help you.

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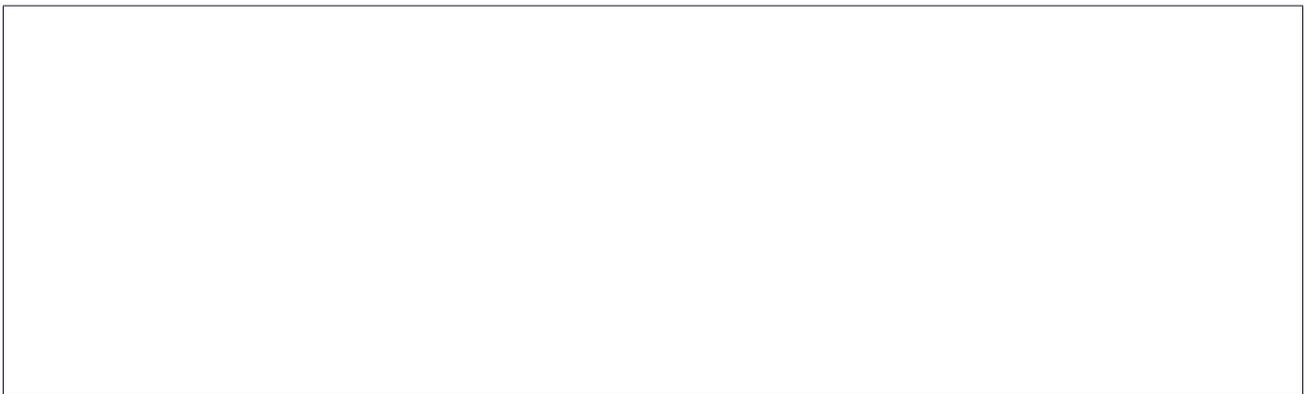
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[4]

## STUDENT SHEET 8a

6. Describe and explain **two** human threats to coral reefs.

a.

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b.

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[4]

7. Define the term 'ocean acidification'.

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[1]

8. Using a named example explain two reasons why coral reefs are important.

a.

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b.

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[4]

## STUDENT SHEET 8a

9. Describe and explain how coral reefs store carbon dioxide.

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[4]

10. Using a named example evaluate the positive and negative impacts that tourism has had on the coral reef environment. You should refer to place specific detail in your answer.

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[6]

Spelling, punctuation and grammar [3]

## STUDENT SHEET 8a

11. Identify two economic impacts of the destruction of coral reefs.

a.

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b.

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[2]

12. Use the information in the table in Figure 3 to complete the graph in Figure 2.

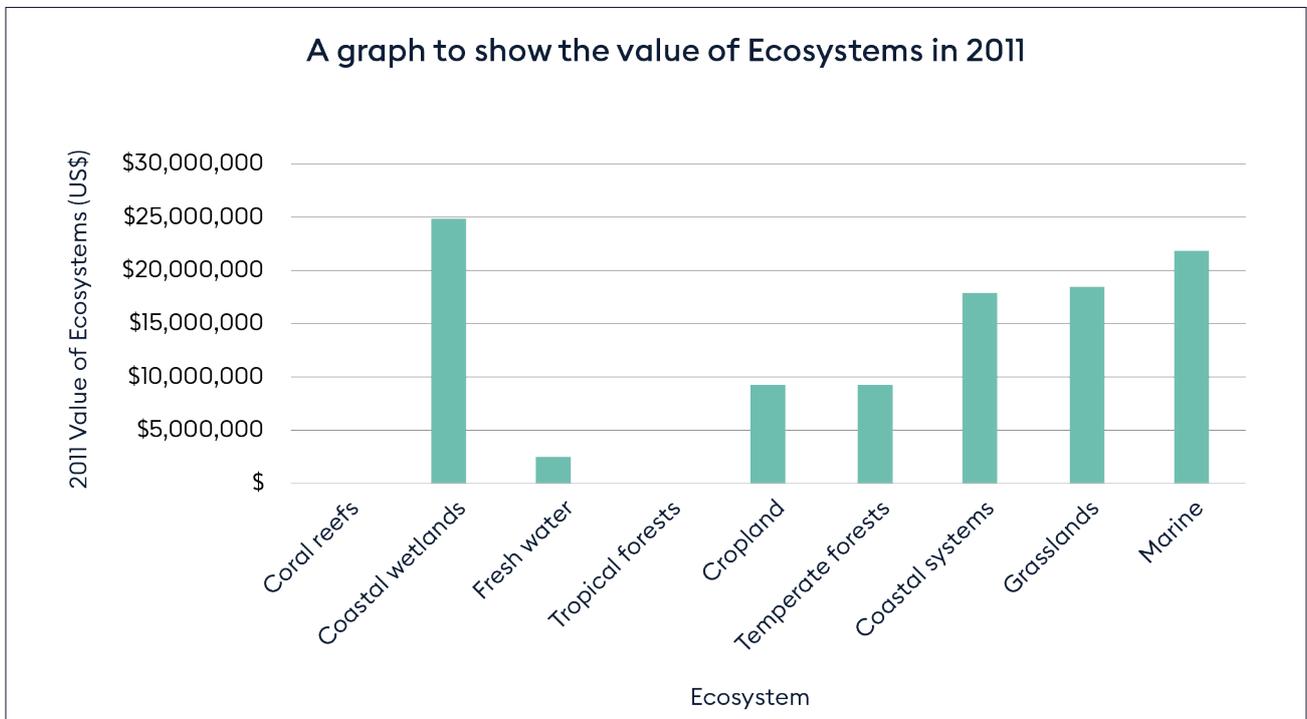


Figure 2 - A graph to show the value of Ecosystems in 2011

[2]

13. Use the the information in the graph to complete the table.

Ecosystem	Coral Reefs	Coastal Wetlands	Fresh water	Tropical Forests	Cropland	Temperate Forest	Coastal systems	Grasslands	Marine
Value (US\$)	9,862,972	24,811,904		6,770,556	9,308,024		17,881,744	18,405,388	21,912,000

Figure 3 - Table showing the US\$ value of different ecosystems.

[2]

14. Describe the changes in shallow reefs shown in Figure 4.

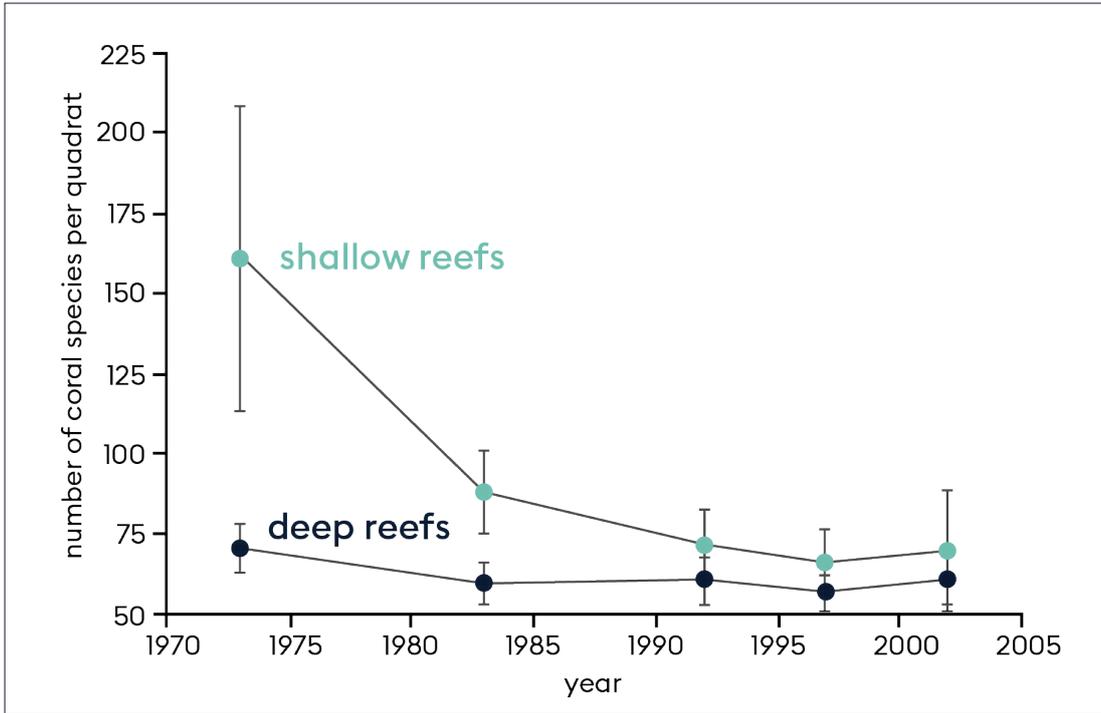


Figure 4 - Graph showing the changes in colony numbers since 1970.

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[2]

