GradeMax

* 0000800000001 *

CAMBRIDGE
International Education

Cambridge IGCSE™

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

* 3 5 3 7 2 2 5 8 1 1 *

ENVIRONMENTAL MANAGEMENT **0680/11**

Paper 1 Theory **May/June 2026**

1 hour 45 minutes

You must answer on the question paper.

No additional materials are needed.

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen. Do **not** use correction fluid or tape.
- Do **not** write on any bar codes.
- You may use a calculator.
- You should show all your working and use appropriate units.

INFORMATION

- The total mark for this paper is 80.
- The number of marks for each question or part question is shown in brackets [ ].

This document has **20** pages. Any blank pages are indicated.

DC (WW/CB) 357887/2
© Cambridge University Press & Assessment 2026

[Turn over

GradeMax

Section A

1 **(a)** The table shows information about flooding in 2022.

total world population / billion	7.95
world population at risk of flooding / billion	1.81

Calculate the percentage of the world population that were at risk of flooding in 2022.

Circle the correct answer.

4.39% **6.14%** **22.8%** **77.2%**

[1]

(b) Loss of human life is one negative impact of flooding.

State **three** other ways flooding negatively impacts people living in an area.

1 .....

.....

2 .....

.....

3 .....

.....

[3]

(c) One cause of flooding is storm surges.

Explain how a storm surge occurs.

.....

.....

.....

..... [2]

[Total: 6]

© Cambridge University Press & Assessment 2026

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

* 0000800000003 *

2 **(a)** The list of terms describes the natural environment.

Draw a line between each term and its description.

One has been done for you.

term	description
community	a group of living organisms and non-living components in an environment
ecosystem	different species that interact in an area at the same time
habitat	the role an organism plays within its area
niche	the number of organisms of one species that live in the same area at the same time
population	the area where a living organism is found

[3]

DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

[Turn over

GradeMax

(b) The picture shows seaweed in an ocean.



State **two** biotic and **two** abiotic factors that affect the growth of this seaweed.

biotic factors

1 .....

2 .....

abiotic factors

1 .....

2 .....

[4]

[Total: 7]

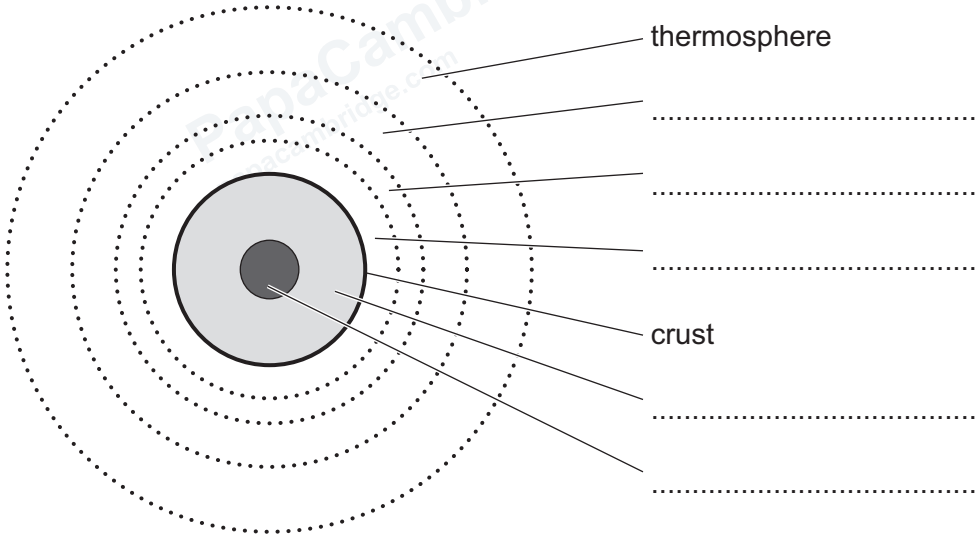
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

* 0000800000005 *

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

3 **(a)** The diagram shows the layers of the Earth and the atmosphere.



not to scale

Label the layers of the Earth and the atmosphere on the diagram.

Use words from the list.

core **mantle** **mesosphere** **stratosphere** **troposphere**

[4]

(b) Describe the natural greenhouse effect.

.....

.....

.....

.....

.....

..... [3]

[Total: 7]

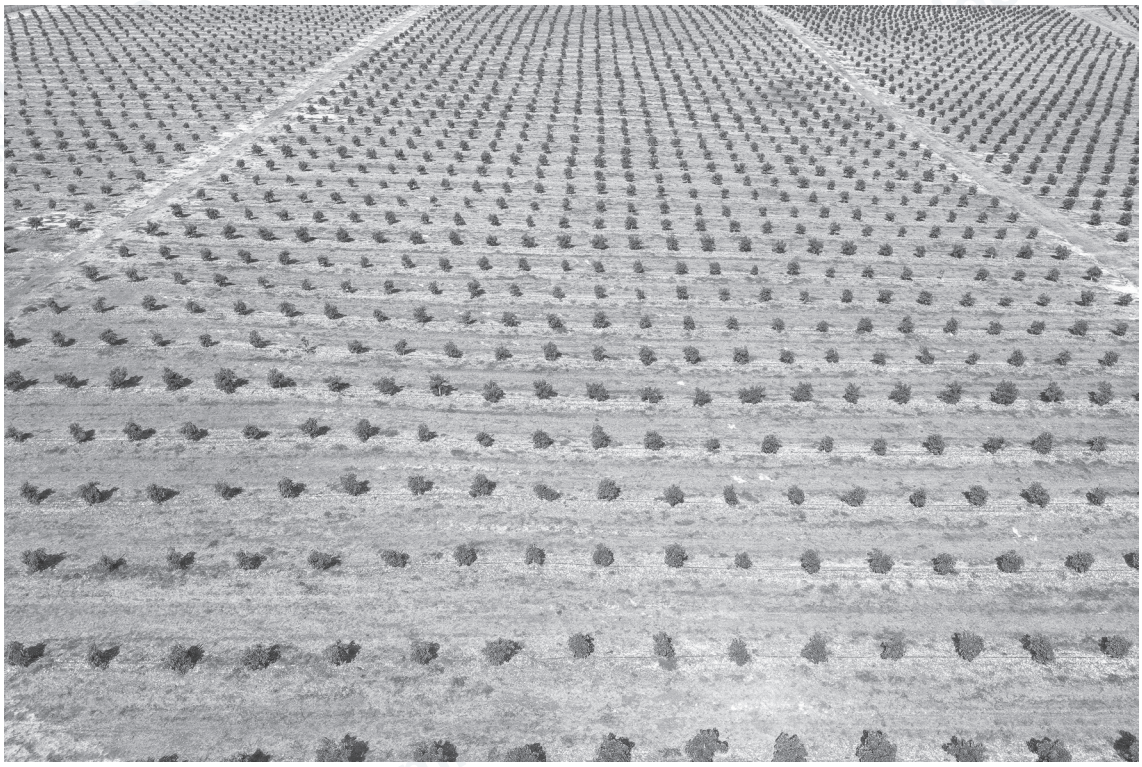
© Cambridge University Press & Assessment 2026

[Turn over

GradeMax

Section B

4 **(a)** The photograph shows part of a farm that grows avocado trees.



The avocado trees produce fruit which is sold in many countries.

(i) State the type of farming shown in the photograph.

Use **two** words from the list.

arable **commercial** **mixed** **pastoral** **subsistence**

..... and ..... [1]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

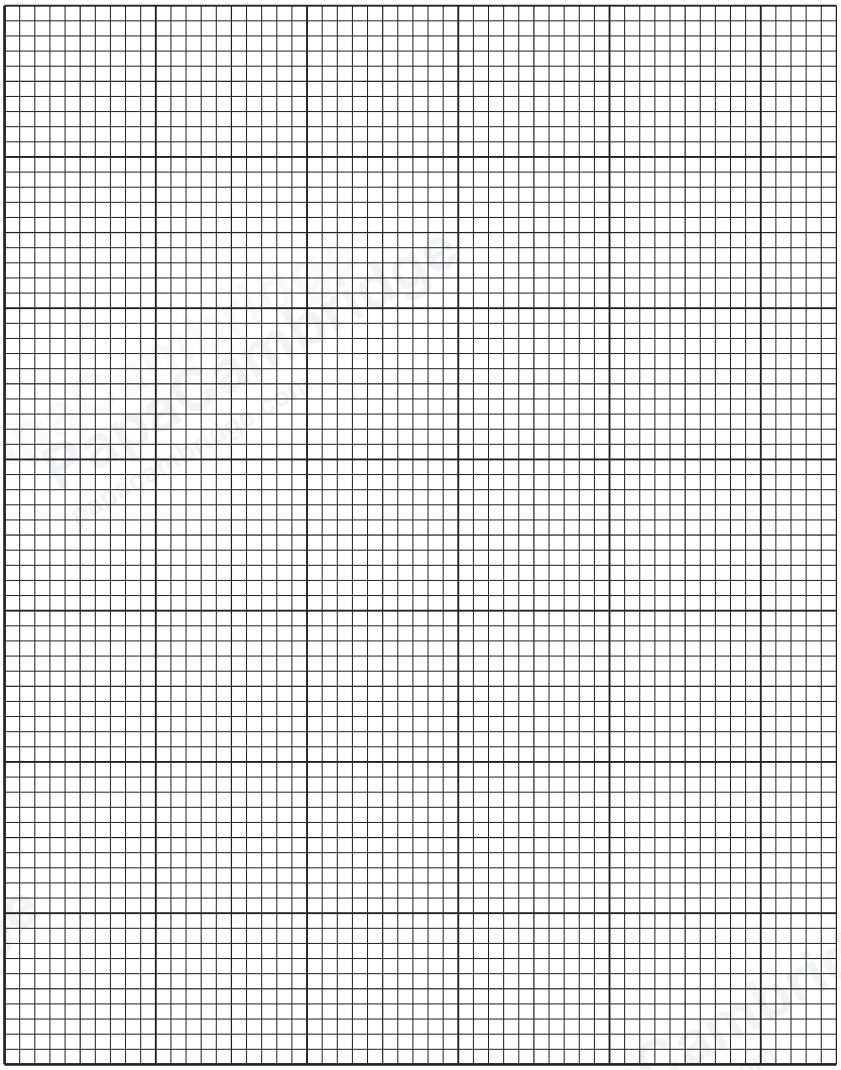
GradeMax

(ii) Plants need water to produce fruit.

The table shows the volume of water needed by different plants to produce 1 kg of fruit.

fruit	volume of water needed to produce 1 kg of fruit / dm^3
avocado	700
banana	800
olive	3000
orange	100
tomato	200

Plot the data as a bar chart.



[4]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

GradeMax

(iii) Avocado trees grow best in areas with high temperatures.
Some of these locations have low rainfall.

Suggest **two** water sources that can be used to provide the avocado trees with additional water.

1 .....

2 .....
[2]

(iv) State a sustainable method of irrigation for these avocado trees.

..... [1]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

GradeMax

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

(b) The water used to grow avocado trees causes a shortage of potable water for local people.

Suggest how a shortage of potable water impacts local people.

.....

.....

.....

.....

.....

..... [3]

(c) Some scientists state that farming avocados is unsustainable.

Suggest reasons why local farmers continue to grow avocados.

.....

.....

.....

.....

.....

.....

.....

.....

.....

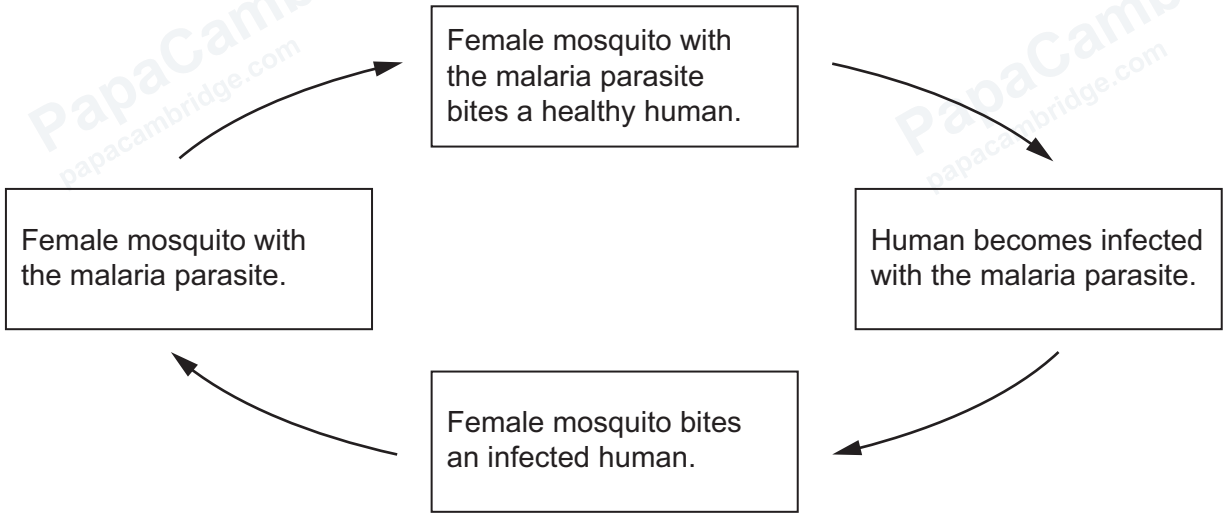
..... [5]

[Total: 16]

PapaCambridge
papacambridge.com

GradeMax

5 The diagram shows a simplified life cycle of the malaria parasite.



(a) State the vector in the spread of malaria.

..... [1]

(b) Strategies to reduce the spread of malaria include draining water bodies, the use of antimalarial drugs and malaria nets.

Explain how each of these strategies reduces the spread of malaria.

draining water bodies .....

.....

antimalarial drugs .....

.....

malaria nets .....

.....

[3]

(c) **(i)** A report states that in 2022 there were 608 000 deaths due to malaria.

95% of these deaths occurred in Africa.

Calculate the number of deaths due to malaria in Africa in 2022.

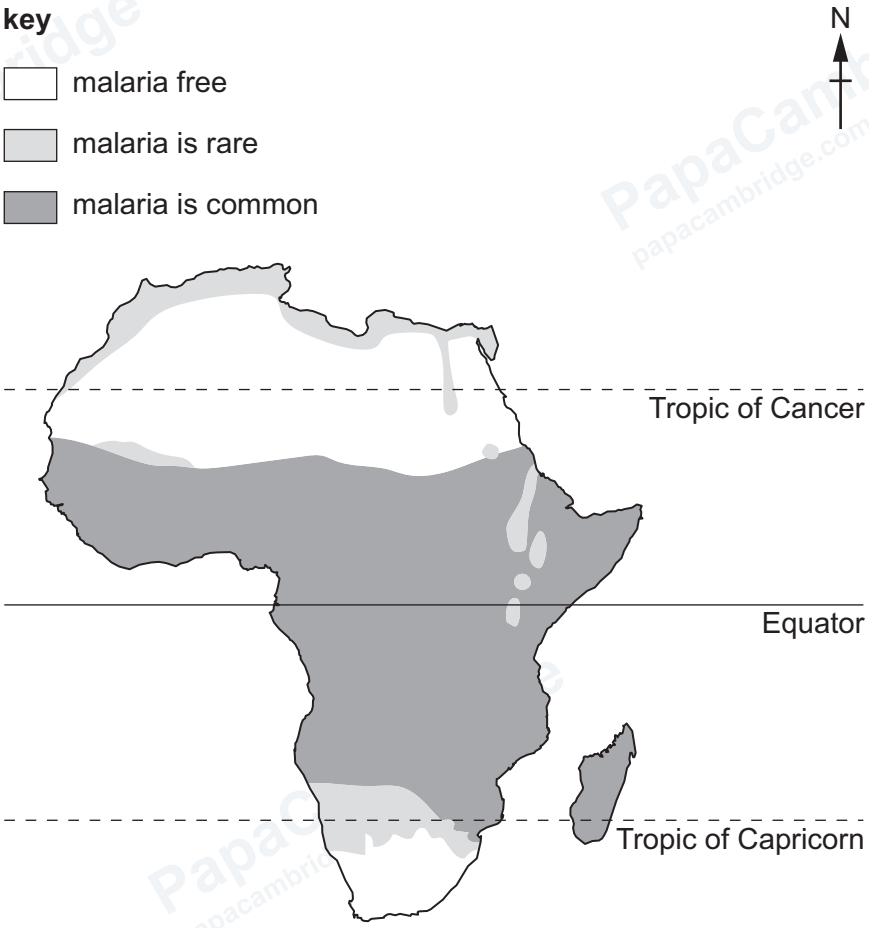
number of deaths ..... [1]

© Cambridge University Press & Assessment 2026

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

GradeMax

(ii) The map shows where malaria is found in Africa.



Describe the distribution of malaria in Africa.

.....

.....

.....

.....

.....

..... [3]

(iii) Some scientists predict that the number of people infected with malaria will increase in the future.

Suggest **one** reason for this prediction.

.....

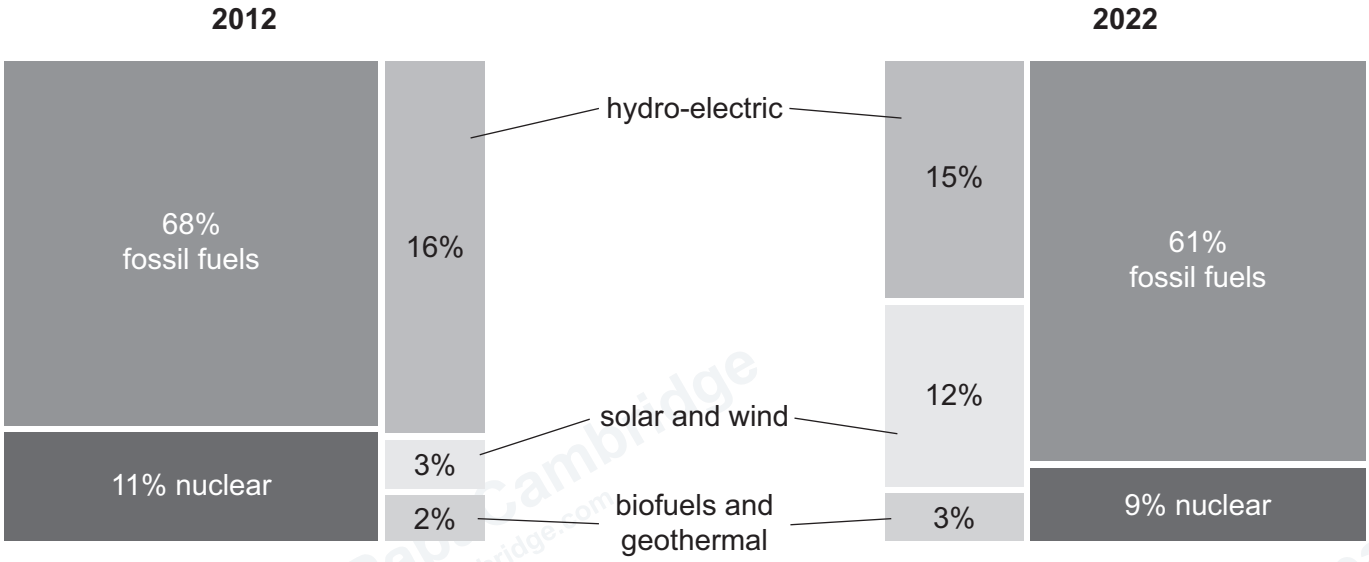
..... [1]

[Total: 9]

© Cambridge University Press & Assessment 2026

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

6 **(a)** The diagram shows information on the energy resources used to generate electricity in 2012 and 2022.



(i) State the energy resource with the greatest decrease in percentage between 2012 and 2022.

..... [1]

(ii) Calculate the total percentage of renewable energy resources used in 2022.

.....% [1]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

GradeMax

(b) (i) Explain how a multipurpose dam is used to generate electricity.

.....

.....

.....

.....

.....

.....

.....

..... [4]

(ii) The photograph shows the planned location for the construction of a multipurpose dam.



Suggest **three** reasons why some people are **not** in favour of the construction of a multipurpose dam at this location.

1 .....

.....

2 .....

.....

3 .....

.....

[3]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

GradeMax

(iii) Four sites, **A**, **B**, **C** and **D**, are considered for a new multipurpose dam.

site A	site B	site C	site D
coastal area	mountainous area	forested area	desert
flat land	steep sloping valleys	wide valleys	uneven land
cool temperatures	fast flowing river	high rainfall	hot, dry climate
reliable tides	wet climate	sandy soils	little vegetation

State which of the four sites is most suitable for a new multipurpose dam.

Give **one** reason for your answer.

site .....

reason .....

.....

[2]

[Total: 11]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

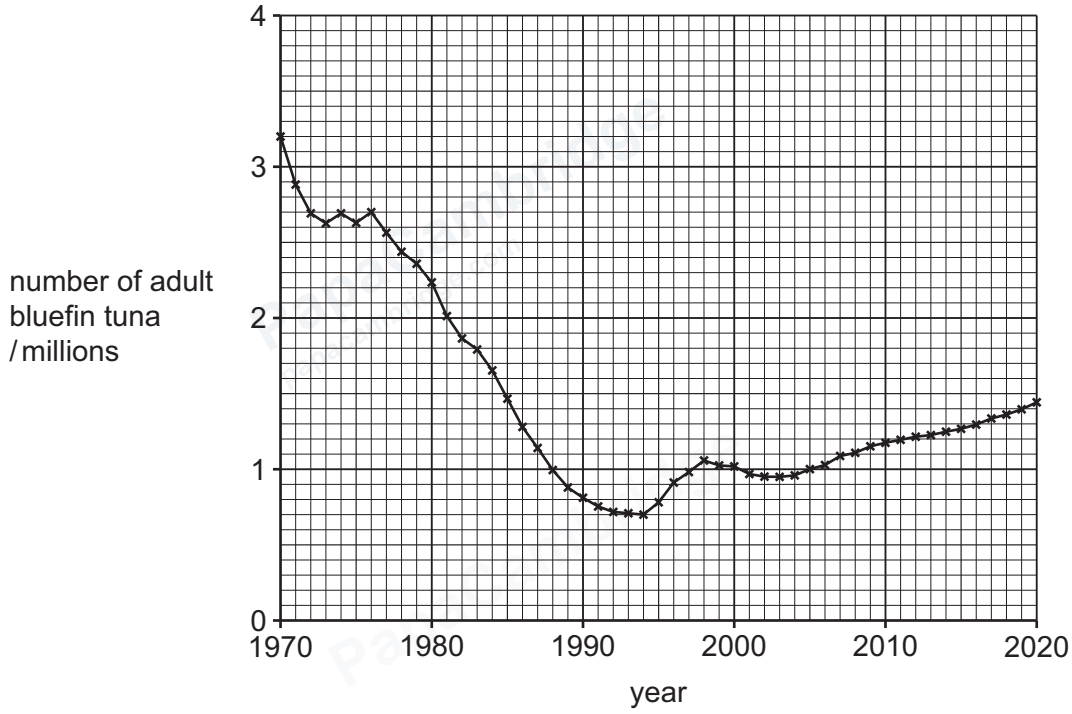
© Cambridge University Press & Assessment 2026

7 The bluefin tuna is a large marine fish.



The fish is in great demand as a food source.

(a) The graph shows the number of adult bluefin tuna in an area of ocean between 1970 and 2020.



(i) Calculate the range in the number of adult bluefin tuna between 1970 and 2020.

..... [2]

(ii) People are concerned about overfishing of bluefin tuna.

State what is meant by the term overfishing.

.....

..... [1]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

GradeMax

(iii) Some governments want to conserve bluefin tuna. In 1990, these governments banned the use of some fishing methods.

Suggest whether this ban has been successful.

Use the data in the graph to support your answer.

.....

..... [1]

(b) An increase in mesh size and use of pole and line fishing are two strategies to manage fish populations.

Explain how these strategies help conserve fish populations.

increase in mesh size .....

.....

.....

.....

pole and line fishing .....

.....

.....

.....

[4]

(c) A student concludes that the best strategy to increase the population of bluefin tuna is to ban all fishing in the areas where bluefin tuna are present.

Suggest **three** disadvantages of banning all fishing in the areas where bluefin tuna are present.

1 .....

.....

2 .....

.....

3 .....

.....

[3]

[Total: 11]

© Cambridge University Press & Assessment 2026

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

GradeMax

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

8 **(a)** The photograph shows a limestone mine.



(i) Name the type of mine shown in the photograph.

..... [1]

(ii) Limestone is a sedimentary rock.

Describe how sedimentary rocks are formed.

.....

.....

.....

.....

.....

.....

.....

..... [4]

(iii) Mining impacts the local environment.

Suggest **two** negative impacts caused by the mine in the photograph.

1 .....

.....

2 .....

..... [2]

GradeMax

(b) A student says:

> There are large deposits of some types of rocks.
>
> There should be no restrictions on rock extraction.

To what extent do you agree with this statement? Give reasons for your answer.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [6]

[Total: 13]

DO NOT WRITE IN THIS MARGIN

DO NOT WRITE IN THIS MARGIN

DO NOT WRITE IN THIS MARGIN

DO NOT WRITE IN THIS MARGIN

DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

GradeMax

BLANK PAGE

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

GradeMax

BLANK PAGE

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

The boundaries and names shown, the designations used and the presentation of material on any maps contained in this question paper/insert do not imply official endorsement or acceptance by Cambridge International Education concerning the legal status of any country, territory, or area or any of its authorities, or of the delimitation of its frontiers or boundaries.

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (Cambridge University Press & Assessment) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in our Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cambridgeinternational.org after the live examination series.

Cambridge International Education is the name of our awarding body and a part of Cambridge University Press & Assessment, which is a department of the University of Cambridge.

© Cambridge University Press & Assessment 2026