

Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

I declare this is my own work.

INTERNATIONAL AS GEOGRAPHY

Paper 1A Physical Geography 1 Hot Desert Systems and Landscapes

Friday 10 January 2025

07:00 GMT

Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a ruler with millimetre measurements
- a calculator, which you are expected to use where appropriate.

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do **not** write outside the box around each page or on blank pages.
- All working must be shown.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this answer book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 80.
- You may use a bilingual dictionary for this exam.
- You may **not** use an English dictionary.

For Examiner's Use	
Question	Mark
1	
2	
3	
4	
5	
6	
7	
8	
TOTAL	



Section A – Living with Hazards

Answer **all** questions in the spaces provided.

You must answer **all** questions in **Section A**.

Only **one** answer per question is allowed.

For each question completely fill in the circle alongside the appropriate answer.

CORRECT METHOD



WRONG METHODS



If you want to change your answer you must cross out your original answer as shown.



If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.



0 1 . 1

Which of the following does the Park model describe in relation to natural hazards?

[1 mark]

A Causes

☐

B Costs

☐

C Responses

☐

D Strengths

☐

0 1 . 2

Which of the following describes movement at a conservative plate margin?

[1 mark]

A One plate sliding under another plate

☐

B Two plates moving towards each other

☐

C Two plates pulling apart

☐

D Two plates sliding past each other

☐


0 1 . 3

Which of the following is a primary effect of a natural hazard?

[1 mark]

- A** Disease spread by polluted water
- B** Fires caused by broken gas pipes
- C** Reduced food production because of a loss of farmland
- D** Roads and railway lines destroyed by ground shaking

☐☐☐☐

0 1 . 4

Which of the following is an example of wildfire mitigation?

[1 mark]

- A** Accepting that wildfires will happen and living with them
- B** Allowing dead vegetation to build up under trees
- C** Making sure buildings are made of non-polluting materials
- D** Using satellites for early identification and warning of wildfires

☐☐☐☐

0 1 . 5

Which of the following are **both** causes of tropical storms?

[1 mark]

- A** Descending cool air **and** strong ocean currents
- B** High ocean temperatures **and** rising warm air
- C** Low ocean temperatures **and** low air pressure
- D** Uniform wind direction **and** falling ocean temperatures

☐☐☐☐

5

Turn over ►



Figure 1 shows the global number of deaths caused by natural hazards (1935–2023).

Figure 2 shows the global economic damage caused by natural hazards (1935–2023).

Figure 1

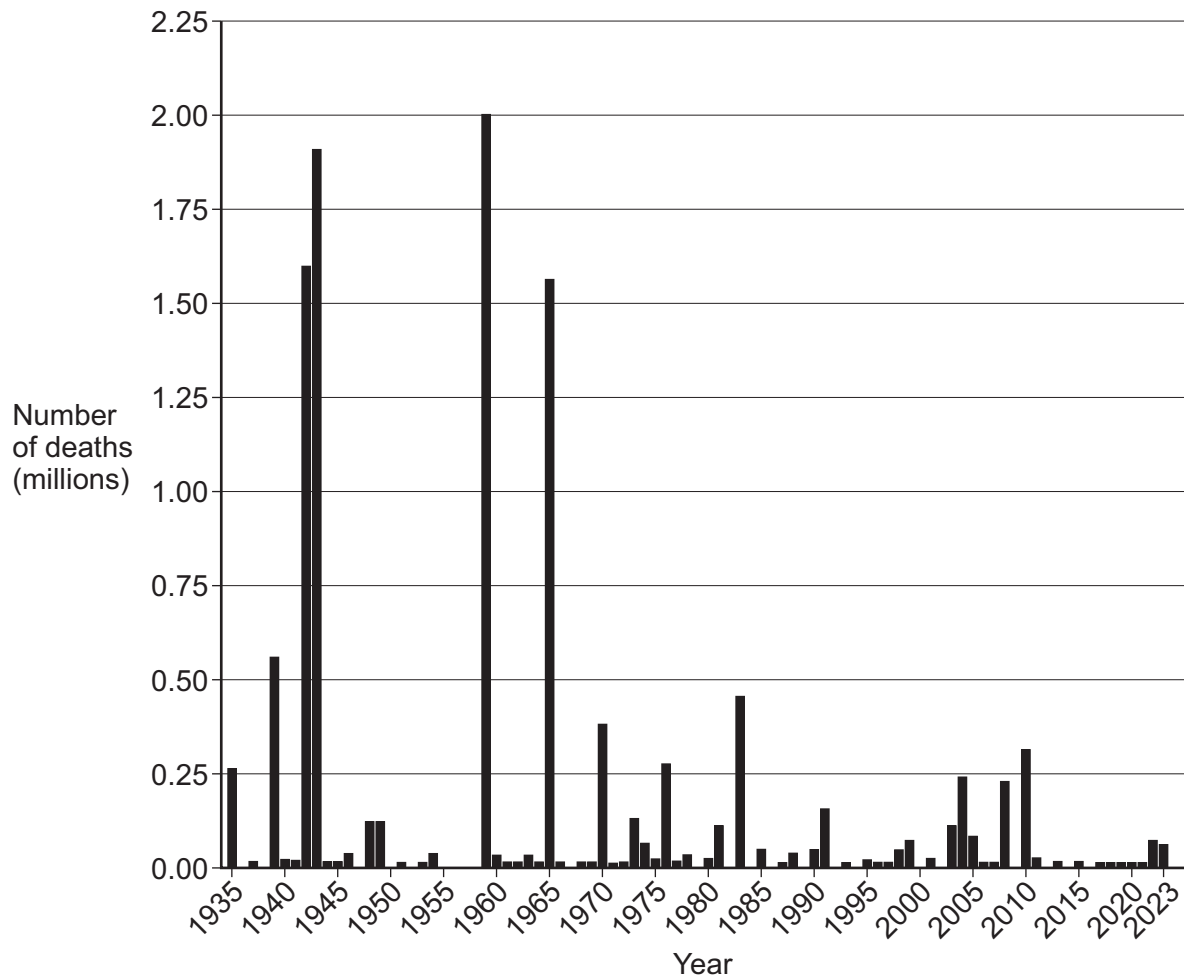
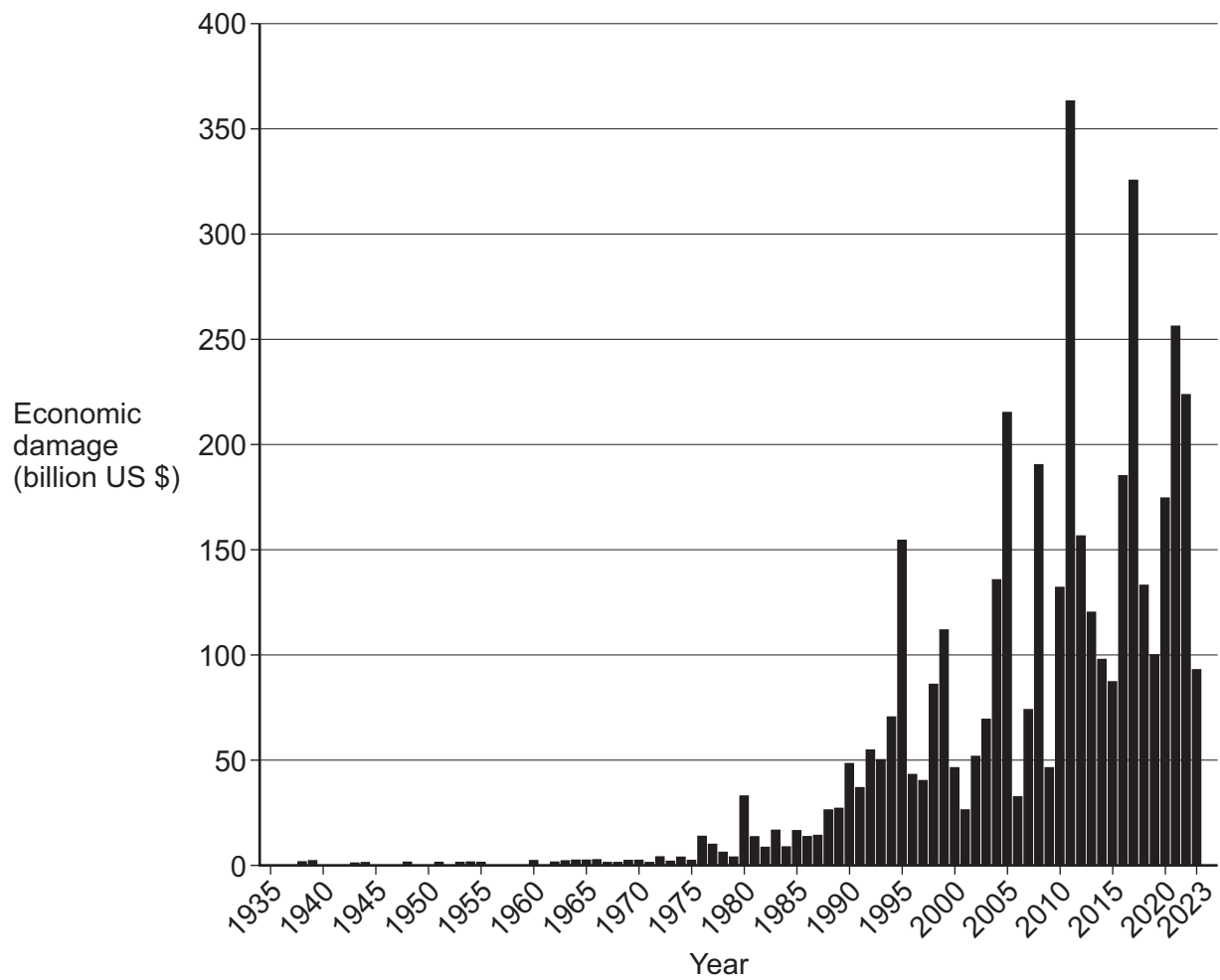


Figure 2

0 2

Analyse the data shown in **Figure 1** and **Figure 2**.**[6 marks]**

Turn over ►

Extra space _____

[9 marks]

[illegible]

Extra space

9

0 4

'The impacts of hazards and the responses to hazards are **both** affected by the level of economic development of a community.'

To what extent do you agree with this statement?

Use **one or more** examples you have studied to support your answer.

[20 marks]

Turn over ►



[illegible]

Extra space _____

END OF SECTION A**Turn over for Section B**

20

Turn over ►

Section B – Hot Desert Systems and Landscapes

Answer **all** questions in the spaces provided.

You must answer **all** questions in **Section B**.

Only **one** answer per question is allowed.

For each question completely fill in the circle alongside the appropriate answer.

CORRECT METHOD



WRONG METHODS



If you want to change your answer you must cross out your original answer as shown.



If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.



0 5 . 1

'Heating and cooling causes rocks to expand and contract, resulting in the rock surface peeling away.'

This describes which of the following processes?

[1 mark]

A Block disintegration

☐

B Chemical weathering

☐

C Exfoliation

☐

D Mass movement

☐

0 5 . 2

Which of the following are **both** erosional landforms found in desert landscapes?

[1 mark]

A Bahada **and** Deflation hollow

☐

B Barchan **and** Wadi

☐

C Seif dune **and** Zeugen

☐

D Ventifact **and** Yardang

☐


0 5 . 3

Which of the following is a source of energy in a hot desert landscape system?

[1 mark]

A Evaporation

☐

B Sand dunes

☐

C Weathering

☐

D Wind

☐

0 5 . 4

'The balance of inputs, outputs, transfers and stores in a desert system.'

This describes which of the following?

[1 mark]

A Deflation

☐

B Sediment budget

☐

C Sediment cell

☐

D Sheet flooding

☐

0 5 . 5

Which of the following describes a pediment?

[1 mark]

A A crescent-shaped pile of sand

☐

B A gently sloping area at the base of a mountain

☐

C A long, narrow ridge of sand

☐

D An isolated hill rising from flat land

☐

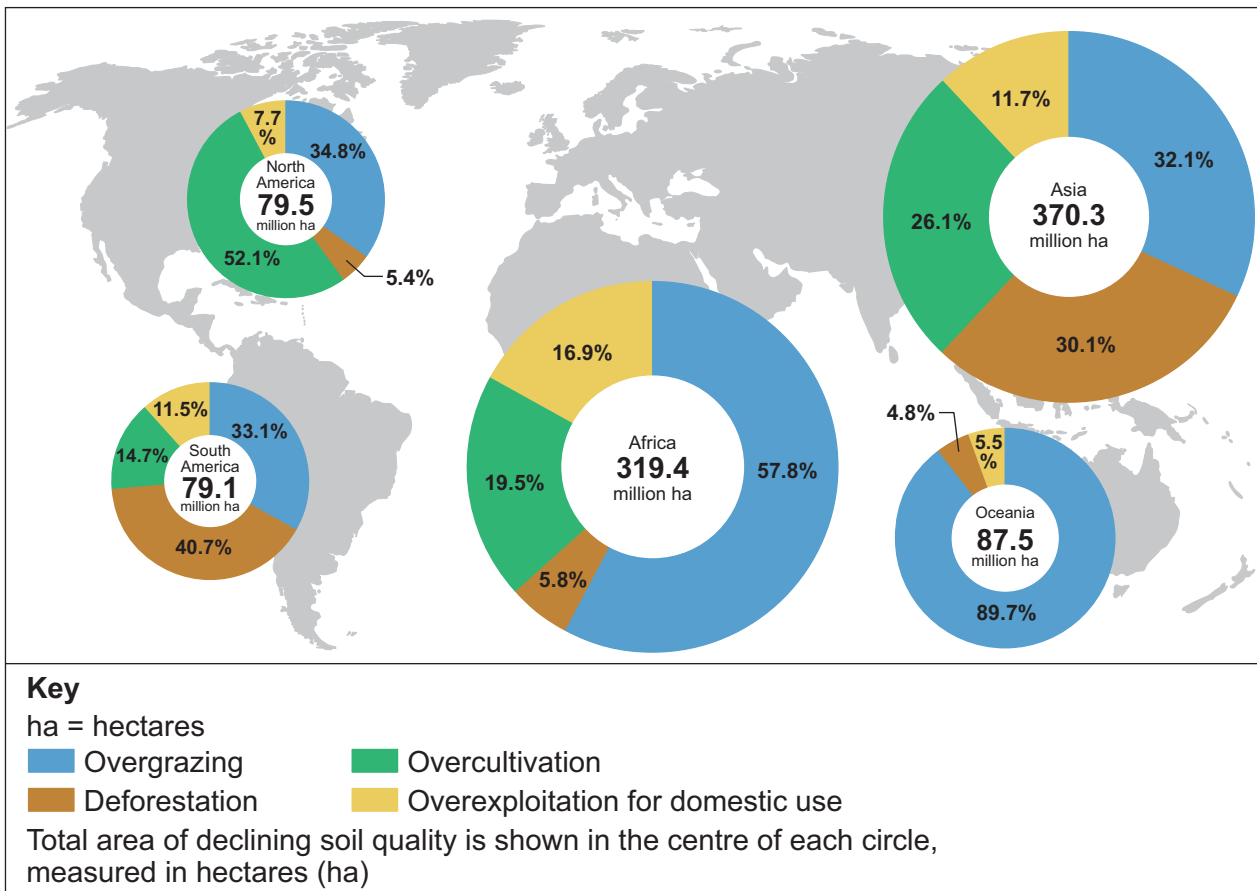
5

Turn over ►



Figure 3 shows the human causes of declining soil quality in selected dryland areas.

Figure 3



0 6

Analyse the data shown in **Figure 3**.

[6 marks]



Extra space _____

[9 marks]

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Extra space _____

[20 marks]

[illegible]

9



[illegible]

END OF QUESTIONS



There are no questions printed on this page

*Do not write
outside the
box*

**DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED**



[illegible]

