

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 16 May 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

'Accepting that hazards are natural events that cannot be controlled' describes which human approach to hazards?

[1 mark]

- A** Adaptation
- B** Fatalism
- C** Mitigation
- D** Risk-sharing

0 1 . 2

What is liquefaction?

[1 mark]

- A** A mass of hot ash, gas and lava exploding from a volcano.
- B** A mass of rock breaking because of the ground shaking.
- C** Conversion of soil into a fluid-like mass during a seismic event.
- D** A seismic wave travelling through the Earth.



0 1 . 3

Which of the following would lead to the formation of an ocean ridge?

[1 mark]

- A An oceanic plate moving towards a continental plate.
- B An oceanic plate sliding past a continental plate.
- C Two oceanic plates moving apart.
- D Two oceanic plates moving towards each other.

0 1 . 4

Which of the following describes a natural cause of a wildfire?

[1 mark]

- A Campfires burning out of control
- B Controlled burning of farmland
- C Faults in electrical equipment
- D Lightning setting fire to trees and grass

0 1 . 5

Which of the following describes tropical storm frequency?

[1 mark]

- A The length of time a tropical storm lasts
- B The maximum strength of the wind within a storm system
- C The number of storms within a given time period
- D The time between two storms occurring

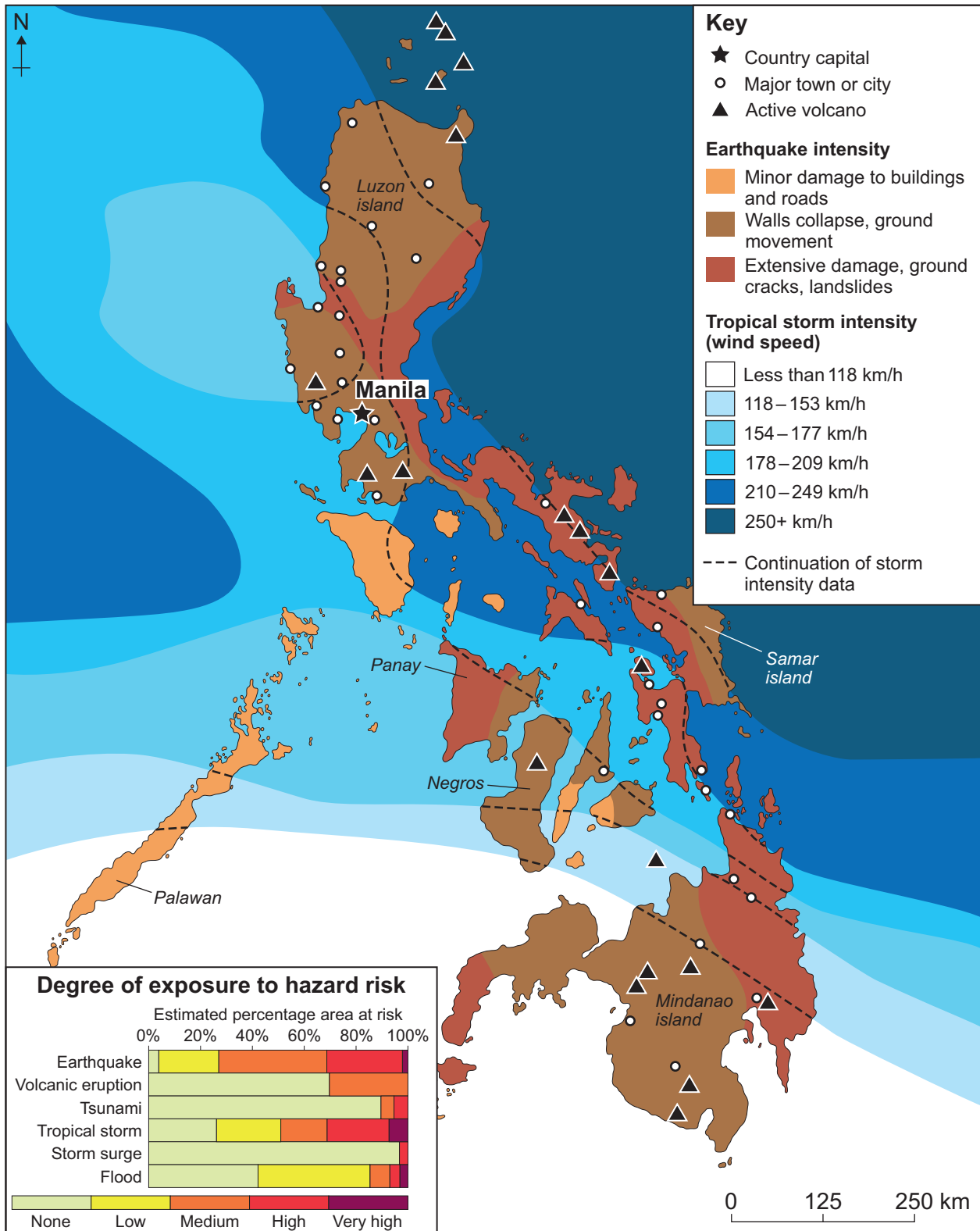
5

Turn over ►



Figure 1 shows natural hazard risks in the Philippines based on previous recorded events.

Figure 1



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 Which of the following describes an exogenous river in a desert?

[1 mark]

- A** A river in a desert that does not reach the sea
- B** A river that flows in a desert after an unusual rainfall event
- C** A river that has its source outside of a desert region
- D** A river that only flows seasonally in a desert

0 5 . 2 Most hot desert landscapes are found between which of the following latitudes?

[1 mark]

- A** 10–15 degrees north and south of the equator
- B** 15–30 degrees north and south of the equator
- C** 30–45 degrees north and south of the equator
- D** 45–60 degrees north and south of the equator



0 5 . 3

‘Sand particles are repeatedly picked up and dropped by the wind.’

This is a description of which process in deserts?

[1 mark]

- A Abrasion
- B Mass movement
- C Saltation
- D Suspension

0 5 . 4

What is a barchan?

[1 mark]

- A A crescent-shaped sand dune
- B A dry river-bed
- C A hollow caused by wind erosion
- D An isolated hill in a desert landscape

0 5 . 5

Which term describes an area where sediment movement is largely self-contained?

[1 mark]

- A A sediment budget
- B A sediment cell
- C A sediment source
- D A sediment transfer

5

Turn over ►



Figure 2 and Figure 3 show information about predicted climate change scenarios for desert areas in Africa (2000–2050).

Figure 2 – Predicted change in annual temperature 2000–2050 (°C)

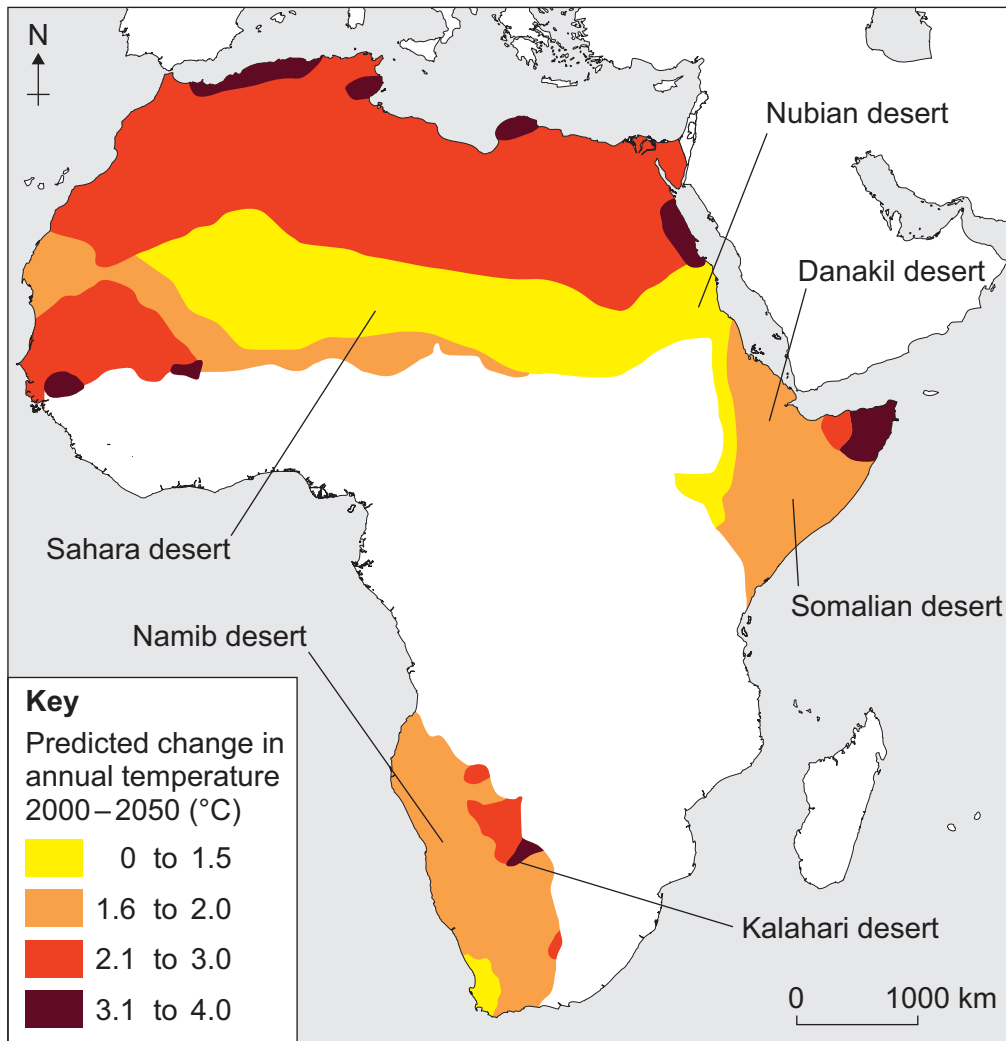
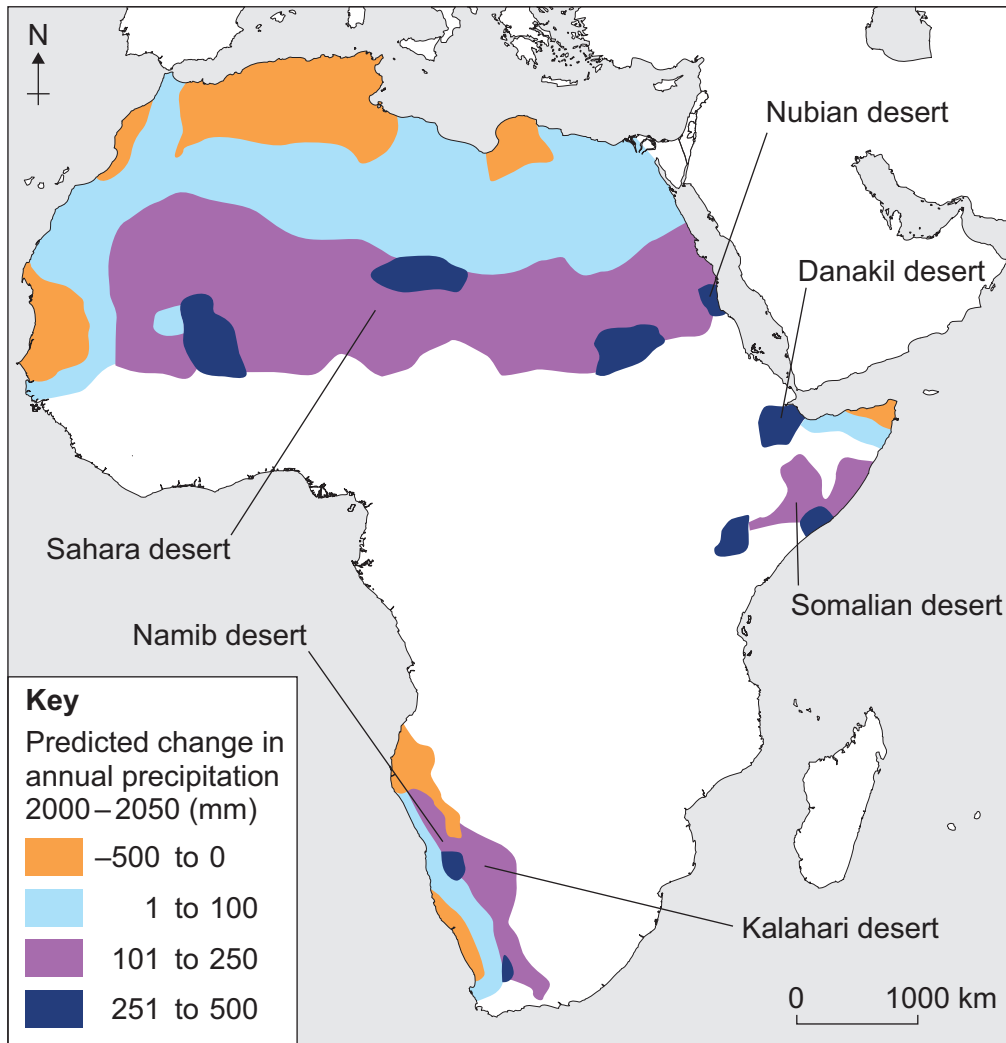


Figure 3 – Predicted change in annual precipitation 2000 – 2050 (mm)



0 6

Analyse the data shown in **Figure 2** and **Figure 3**.

[6 marks]

Turn over ►



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outside the
box*

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ANSWER IN THE SPACES PROVIDED**



