Please check the examination details below before entering your candidate information

| Candidate surname | Other names |
|---|---|
| | |

Centre Number | Candidate Number

# Pearson Edexcel International Advanced Level

## Monday 19 May 2025

Morning (Time: 1 hour 30 minutes)

Paper reference **WGE02/01**

# Geography

## International Advanced Subsidiary
## UNIT 2: Geographical Investigations

**You must have:**
Resource Booklet (enclosed)

Total Marks

### Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions in Sections A and B and **ONE** question in Section C.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- Calculators may be used.

### Information

- The total mark for this paper is 60.
- The marks for **each** question are shown in brackets – *use this as a guide as to how much time to spend on each question.*

### Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

*Turn over* ▶

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## SECTION A

**Answer ALL questions in this section. Write your answers in the spaces provided.**

### Crowded Coasts

**1** Study Figure 1 in the Resource Booklet.

(a) (i) Identify **two** erosion processes happening on this coastline.

**(2)**

1 .....

.....

2 .....

.....

(ii) Explain **one** way destructive waves can influence a beach profile.

**(2)**

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(b) Assess the influence of geological structure and lithology on the rate of coastal recession.

**(8)**

**(Total for Question 1 = 12 marks)**

**2** Study Figure 2 in the Resource Booklet.

(a) Identify **two** possible problems caused by the trend in Cape Town's house price index.

**(2)**

1 .....

.....

2 .....

.....

(b) Explain **one** way the informal economy affects inequalities in developing world cities.

**(2)**

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(c) Assess the success of solutions used to reduce urban transport problems.

**(8)**

**(Total for Question 2 = 12 marks)**

**TOTAL FOR SECTION A = 24 MARKS**

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## SECTION B

### Compulsory Fieldwork Section

**Answer ALL questions. Write your answers in the spaces provided.**

**3** You have undertaken geography fieldwork as part of the course.

Use this experience to answer Question 3.

State the title or question of your fieldwork investigation.

(a) Explain the aim(s) of your investigation.

**(3)**

(b) Explain how you managed **one** risk when you collected your fieldwork data.

**(3)**

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(c) You collected your fieldwork data at different locations, sites and/or times.

Explain how this improved the reliability of your data.

**(6)**

(d) You used secondary data during both the planning and analysis stages of your geographical investigation.

Assess the value of the different types of secondary data that you used in your geographical investigation.

**(12)**

**(Total for Question 3 = 24 marks)**

**TOTAL FOR SECTION B = 24 MARKS**

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## SECTION C

## Geographical Fieldwork and Skills

**Answer ONE question in this section – EITHER Question 4 OR Question 5.**

**Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.**

**Write your answers in the spaces provided.**

**If you answer Question 4, put a cross in the box ☒ .**

### Investigating Crowded Coasts

**4** Study Figure 3a in the Resource Booklet.

A group of students visited a sand dune ecosystem as part of a fieldwork investigation. The students collected data on the percentage of the sand dune surface that was bare sand at different distances from the beach.

Some of them used a mobile phone to record their data. They used a line graph to help analyse their data.

(a) (i) Explain **one** advantage and **one** disadvantage of using a mobile phone to record primary data.

**(4)**

Advantage

Disadvantage

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(ii) Describe the relationship between percentage of bare sand and distance inland from the beach.

**(2)**

.....

.....

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.....

(iii) Calculate the range for the percentage of bare sand data shown.

You **must** show your working.

**(2)**

.....

(iv) The students collected data at 50 metre intervals.

Identify which **one** of the following sampling methods they used.

**(1)**

- ☒ **A** Opportunistic
- ☒ **B** Random
- ☒ **C** Stratified
- ☒ **D** Systematic

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The students took a single photograph of a nearby beach and used it to conclude that the sand dune stabilisation scheme was sustainable.

(b) Study Figure 3b in the Resource Booklet.

Suggest reasons why the students' conclusion may be unreliable.

**(3)**

.....

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.....

.....

**(Total for Question 4 = 12 marks)**

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**Do not answer Question 5 if you have answered Question 4.**

**If you answer Question 5, put a cross in the box ☒ .**

**Investigating Urban Problems, Planning and Regeneration**

**5** Study Figure 4a in the Resource Booklet.

A group of students visited a city centre as part of an investigation about urban change. The students collected noise level data at different distances from the city centre.

Some of them used a mobile phone to record their data. They used a line graph to help analyse their data.

(a) (i) Explain **one** advantage and **one** disadvantage of using a mobile phone to record primary data.

**(4)**

Advantage

Disadvantage

(ii) Describe the relationship between noise levels and distance from the city centre.

**(2)**

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(iii) Calculate the range for the noise levels (decibel) data shown.

You must show your working.

**(2)**

(iv) The students collected data at 50 metre intervals.

Identify which **one** of the following sampling methods they used.

**(1)**

- ☒ **A** Opportunistic
- ☒ **B** Random
- ☒ **C** Stratified
- ☒ **D** Systematic

The students took a single photograph of the city and used it to conclude that the transport network was sustainable.

(b) Study Figure 4b in the Resource Booklet.

Suggest reasons why the students' conclusion may be unreliable.

**(3)**

**(Total for Question 5 = 12 marks)**

**TOTAL FOR SECTION C = 12 MARKS**
**TOTAL FOR PAPER = 60 MARKS**

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# Pearson Edexcel International Advanced Level

## Monday 19 May 2025

Morning (Time: 1 hour 30 minutes)

Paper reference **WGE02/01**

# Geography

## International Advanced Subsidiary

## UNIT 2: Geographical Investigations

**Resource Booklet**

**Do not return this Booklet with the question paper.**

*Turn over* ▶

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## SECTION A

**The following resource relates to Question 1.**

**Figure 1**

**Erosion on a coastline, Nice, France**

**The following resource relates to Question 2.**

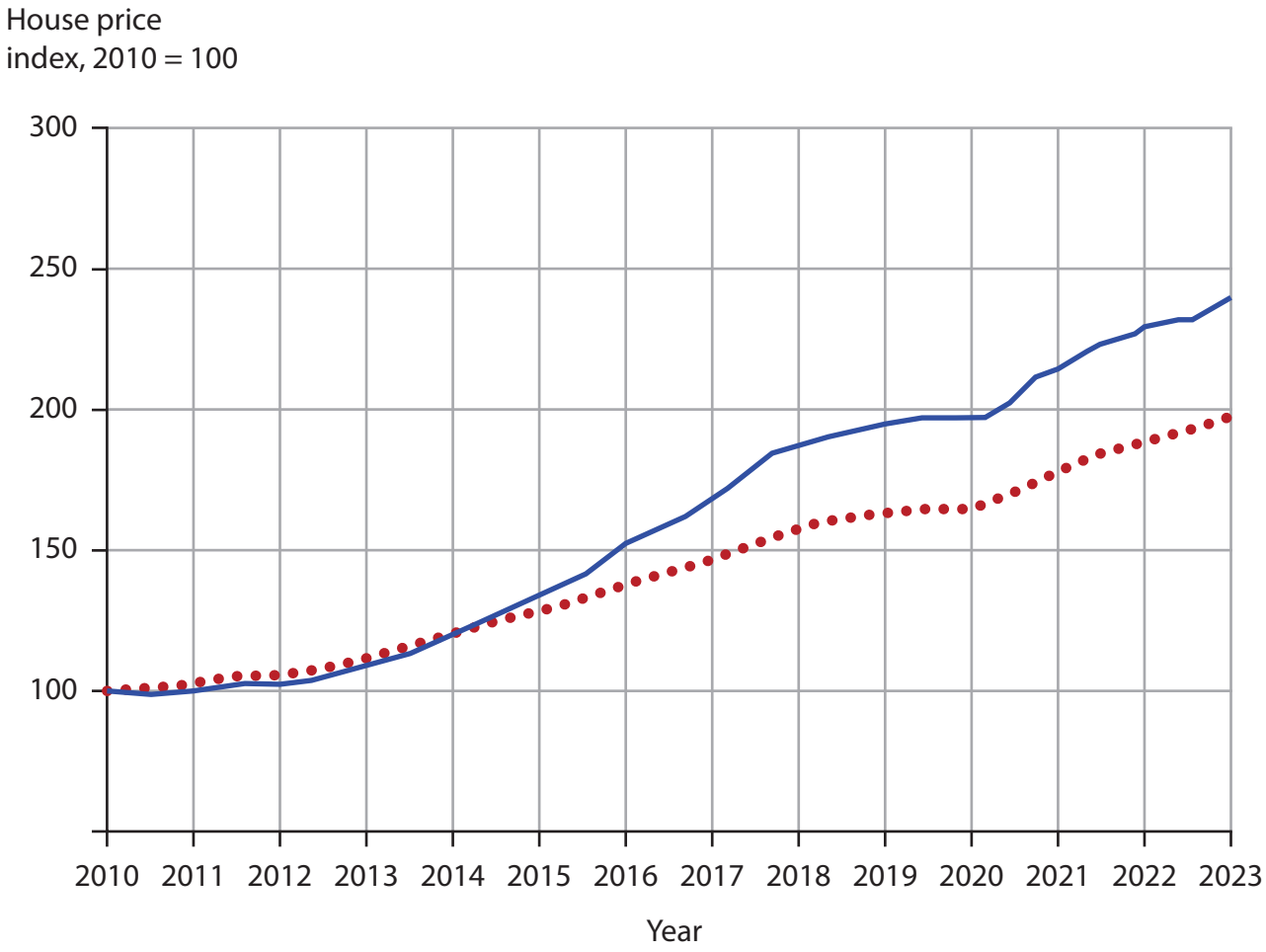


**Figure 2**

**House price indexes for Cape Town and the average for all South African cities, 2010–2023**

**The following resources relate to Question 4.**

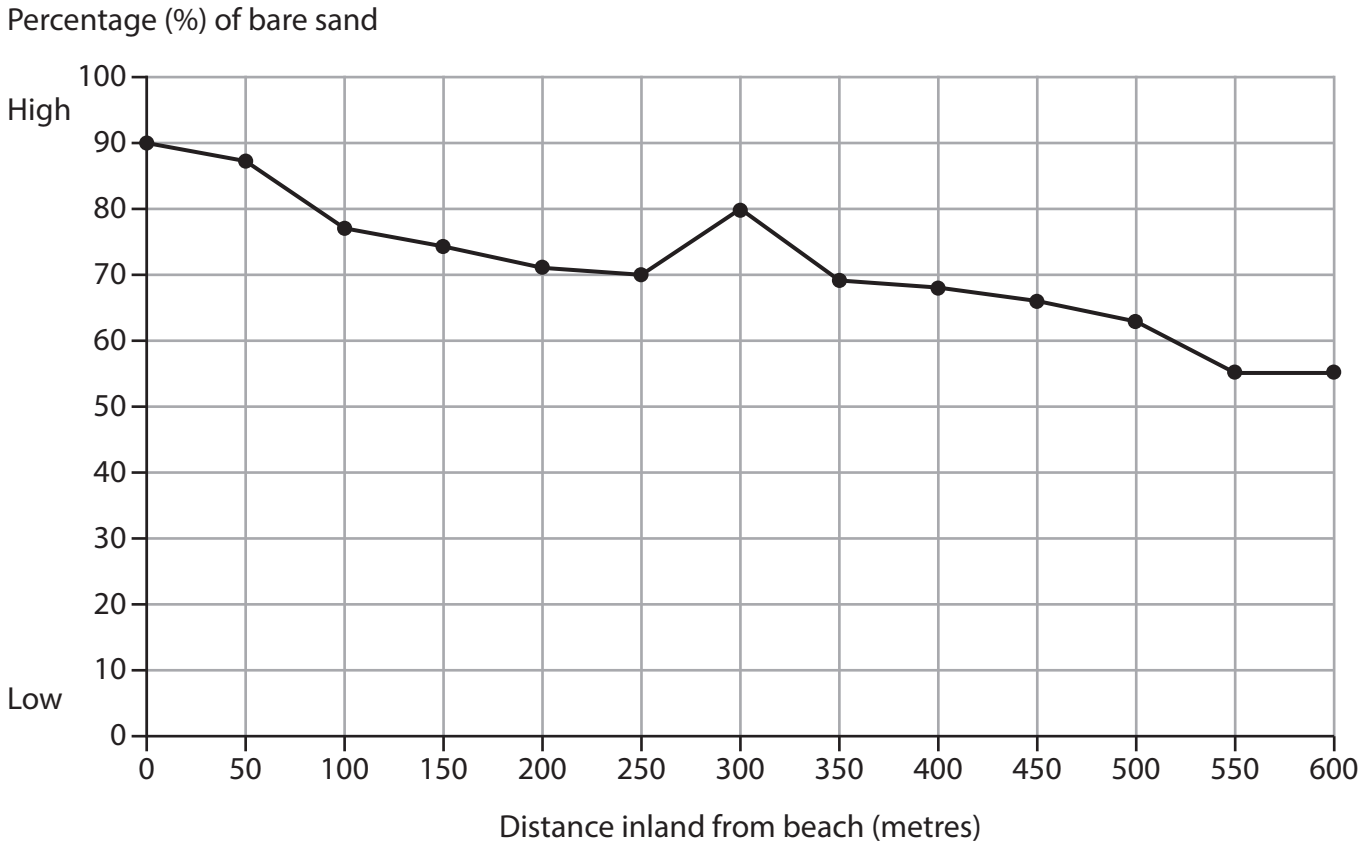


**Figure 3a**

**Percentage of bare sand and distance inland from the beach**

**Figure 3b**

**Sand dune stabilisation in KwaZulu-Natal, South Africa**

**The following resources relate to Question 5.**

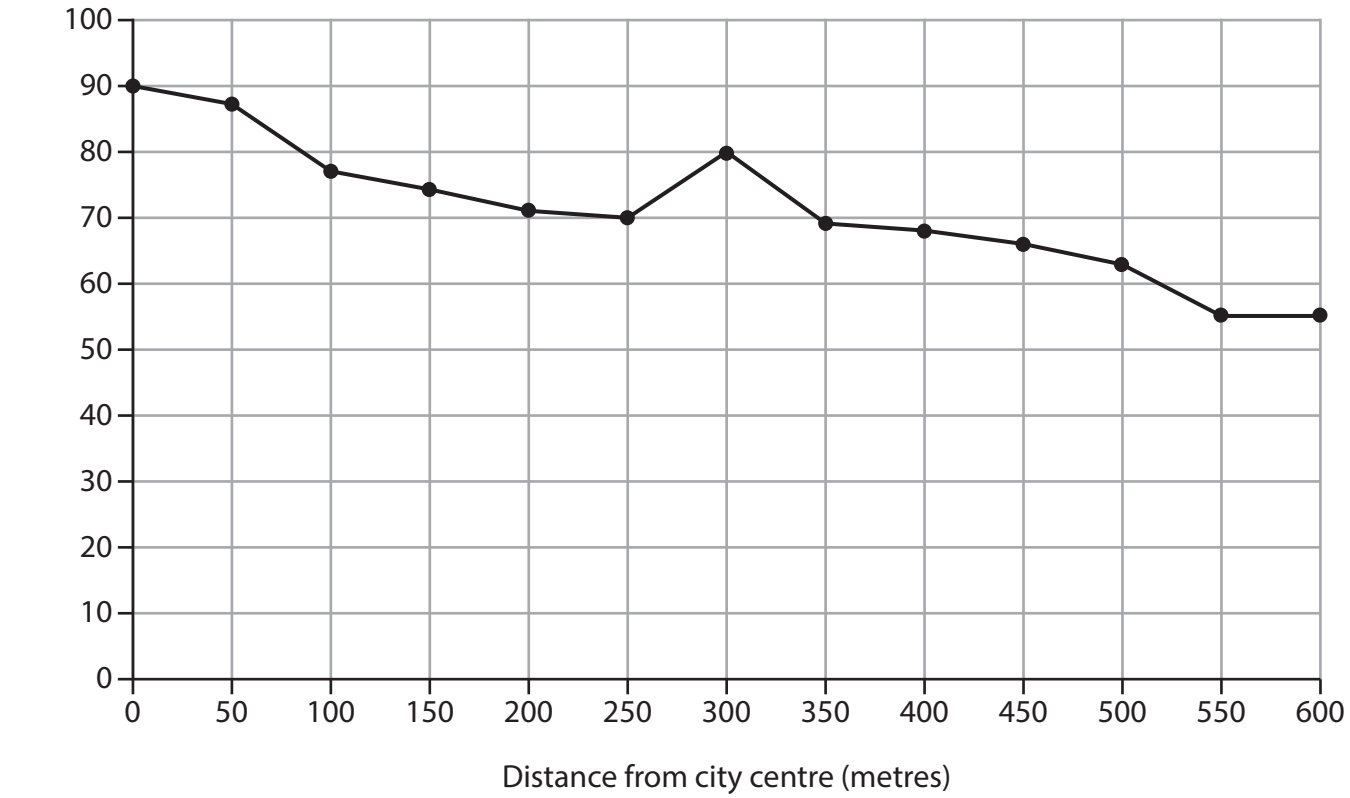


**Figure 4a**

**Noise levels and distance from city centre**

**Figure 4b**

**Urban landscape, Kuala Lumpur, Malaysia, 2023**

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**Acknowledgements**

Pearson Education Ltd. gratefully acknowledges all the following sources used in the preparation of this paper:

Figure 1: © aerial-photos.com / Alamy Stock Photo

Figure 2: adapted from www.statssa.gov.za

Figure 3b: © Frank Kahts / Alamy Stock Photo

Figure 4b: © wai yee thang / Alamy Stock Photo (Editorial)