Candidate surname | Other names

Centre Number | Candidate Number

Pearson Edexcel International Advanced Level

Time 1 hour 30 minutes

Paper reference **WGE02/01**

Geography

International Advanced Subsidiary
PAPER 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*.

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*.
- Calculators may be used.

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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Pearson

SECTION A

Crowded Coasts

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

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 ☒.

1   Study Figure 1 in the Resource Booklet.

(a) (i)   Identify the missing label, X.

(1)

☒   **A**   Sediment source (dune)

☒   **B**   Sediment sink (dune)

☒   **C**   Sediment source (river)

☒   **D**   Sediment sink (river)

(ii) Identify the process that transfers sediment along the coast at Y.

(1)

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(b) Explain **one** way that coasts can be classified.

(2)

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(c) Examine how erosion processes influence the formation of coastal landforms.

(8)

(Total for Question 1 = 12 marks)

Urban Problems, Planning and Regeneration

2 Study Figure 2 in the Resource Booklet.

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

(2)

1 ....

2 ....

(b) Explain **one** reason why there are gated communities in some emerging world cities.

(2)

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(c) Evaluate the impacts of a lack of affordable services for some communities in cities.

(8)

(Total for Question 2 = 12 marks)

TOTAL FOR SECTION A = 24 MARKS

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:

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(a) Explain **one** way you used secondary data as part of your fieldwork investigation.

(3)

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(b) Explain how you used **one** quantitative primary data collection technique in your fieldwork investigation.

(3)

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(c) Explain how you used different techniques to analyse the data you collected.

(6)

(d) Evaluate how far your fieldwork investigation answered your original title or question.

(12)

(Total for Question 3 = 24 marks)

TOTAL FOR SECTION B = 24 MARKS

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 ⊠.

If you answer Question 4 put a cross in the box ⊠ .

Write your answers in the spaces provided.

Investigating Crowded Coasts

4 Study Figure 3a in the Resource Booklet.

> A group of students studied coastal management as part of their geographical investigation.
>
> They used this interview plan to assess the views of players making decisions about coastal management.

(a) Suggest the advantages of using this interview plan.

(4)

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(b) Explain **one** disadvantage of using crowd-sourced data as part of a fieldwork investigation.

(2)

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(c) Study Figure 3b below.

> The students used secondary data from a website to investigate erosion risk over an eight-day period (Figure 3b).
>
> They plotted a scatter graph (Figure 3c).

Days	Maximum wave height (m)	Average wind speed (km/hour)
Day 1	0.54	5.7
Day 2	1.08	11.1
Day 3	1.85	13.7
Day 4	1.92	18.0
Day 5	2.68	16.9
Day 6	3.35	27.3
Day 7	4.29	26.7
Day 8	3.01	16.8

Figure 3b

Wave height and wind speed data

(i) Complete the graph by plotting the missing data for Day 1 and Day 4 from Figure 3b.
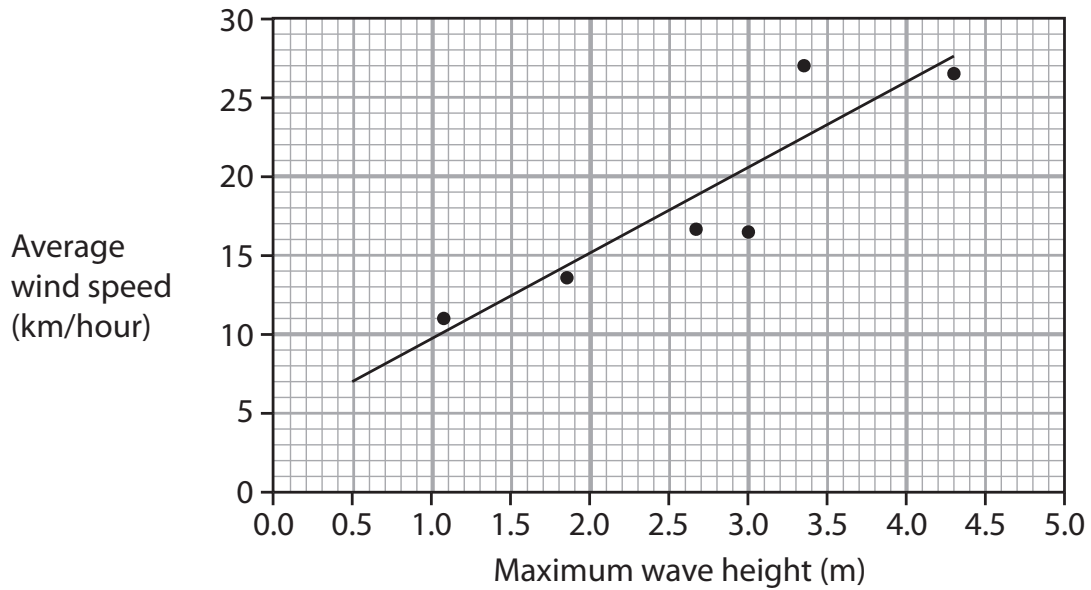
(2)

Figure 3c

Scatter graph of maximum wave height and average wind speed

(ii) A line of best fit is shown on Figure 3c.

Identify the strength and direction of the relationship shown.

(1)

- ☒ **A** Weak and positive
- ☒ **B** Strong and positive
- ☒ **C** Weak and negative
- ☒ **D** Strong and negative

(iii) Explain why conclusions based on Figure 3c may be unreliable.

(3)

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(Total for Question 4 = 12 marks)

Investigating Urban Problems, Planning and Regeneration

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

5 Study Figure 4a in the Resource Booklet.

> A group of students studied urban regeneration as part of their geographical investigation.
>
> They used this interview plan to assess the views of players making decisions about urban regeneration.

(a) Suggest the advantages of using this interview plan.

(4)

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(b) Explain **one** disadvantage of using crowd-sourced data as part of a fieldwork investigation.

(2)

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(c) Study Figure 4b below.

The students used secondary data from a website to investigate the success of regeneration over an eight-month period (Figure 4b).

They plotted a scatter graph (Figure 4c).

Month	Maximum pedestrian flow (people/minute)	Average temperature (°C)
February	5	5.7
March	11	11.1
April	19	13.7
May	19	18.0
June	27	16.9
July	34	27.3
August	43	26.7
September	30	16.8

Figure 4b

Maximum pedestrian flow and average temperature data

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(i) Complete the graph by plotting the missing data for September and August 2021 from Figure 4b.

(2)
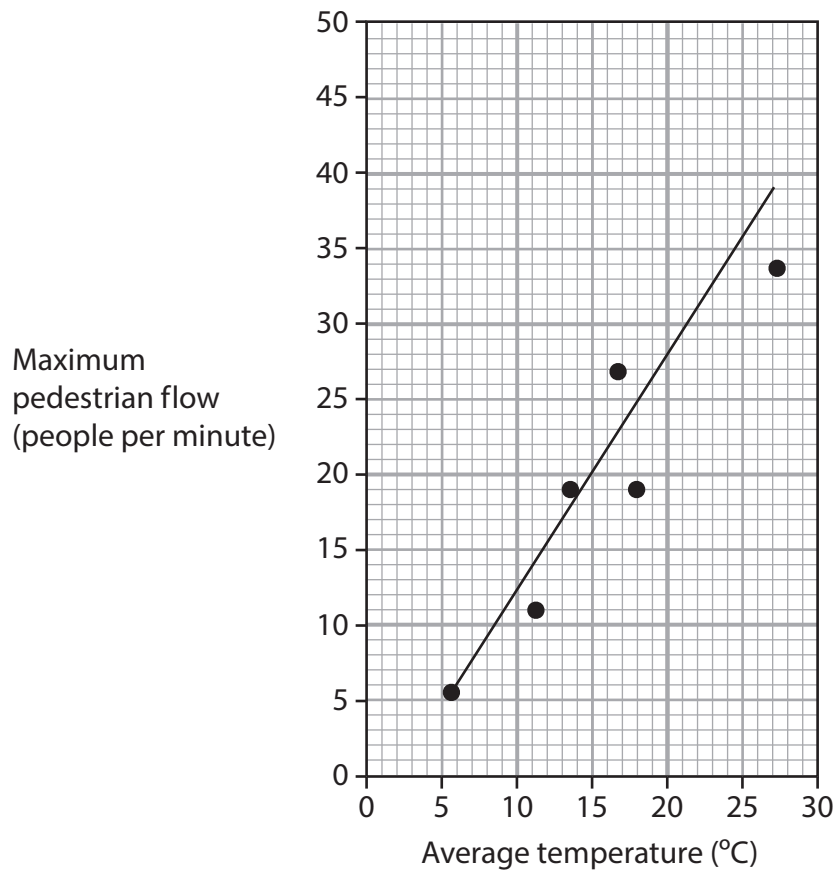
Figure 4c

Scatter graph of maximum pedestrian flow and average temperature

(ii) A line of best fit is shown on Figure 4c.

Identify the strength and direction of the relationship shown.

(1)

☒ **A** Weak and positive

☒ **B** Strong and positive

☒ **C** Weak and negative

☒ **D** Strong and negative

(iii) Explain why conclusions based on Figure 4c may be unreliable.

(3)

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(Total for Question 5 = 12 marks)

TOTAL FOR SECTION C = 12 MARKS

TOTAL FOR PAPER = 60 MARKS

Pearson Edexcel International Advanced Level

Time 1 hour 30 minutes

Paper reference **WGE02/01**

Geography
International Advanced Subsidiary
PAPER 2: Geographical Investigations

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

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This resource relates to Question 1.
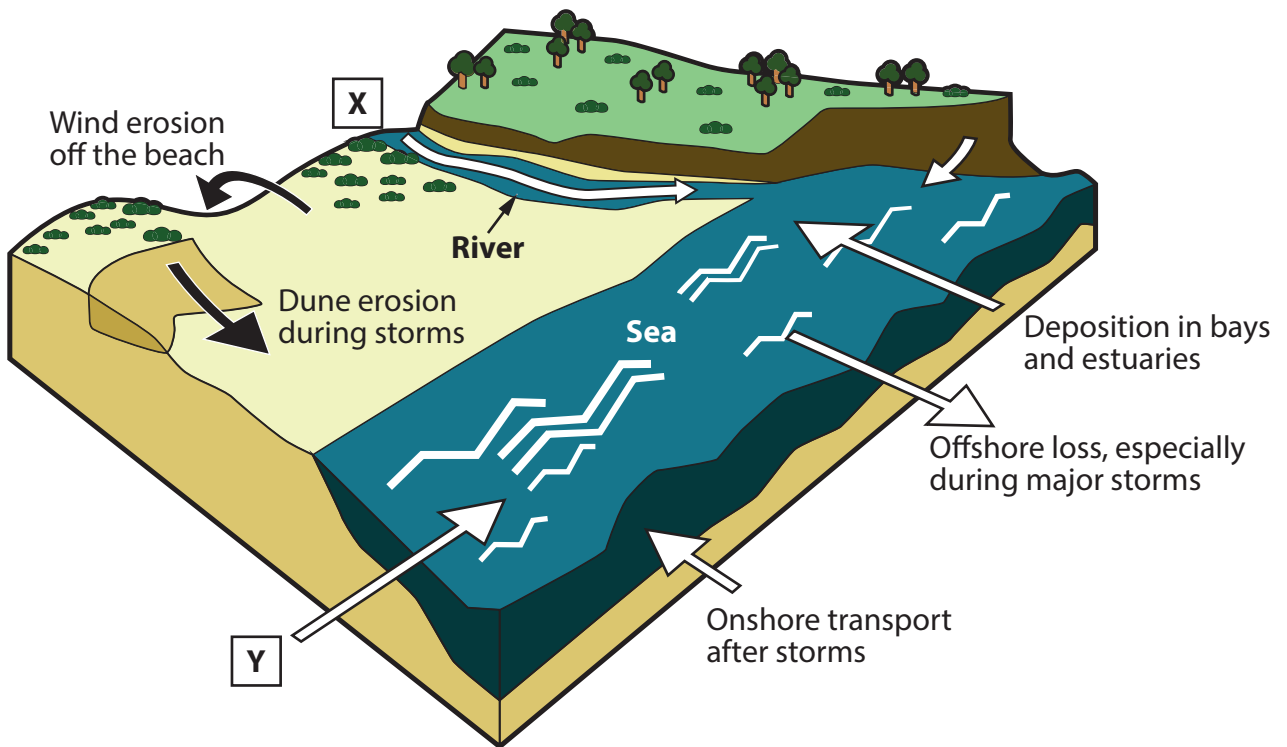
Figure 1

A diagram of the Sediment Cell concept

This resource relates to Question 2.
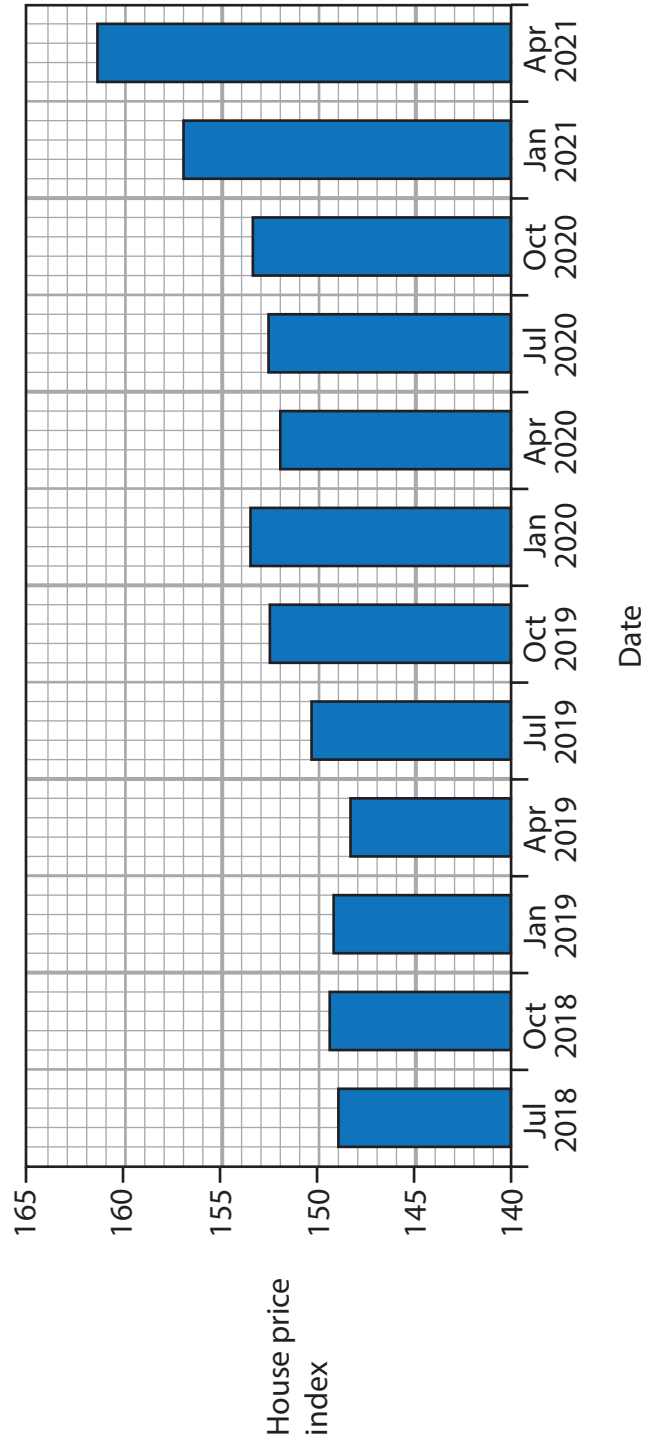
Figure 2

A house price index for Singapore, July 2018 – April 2021

This resource relates to Question 4.

Proposed interview with the Director of Coastal Management,
California Planning Department

Timing	Interview focus
Introduction **(2 minutes)**	**Our research and how it will be used:** • This is an informal interview. We want your honest views about coastal management. • Anything said will be treated as confidential and your personal data will not be shared.
Background **(5 minutes)**	**Now tell us about your department:** • What is your job role? • Which aspects of coastal management are you involved in?
Detailed questions **(15 minutes)**	**Exploring coastal management:** • What are the main problems and conflicts in the area? • How effective is existing coastal management?

Figure 3a

**Extract from an interview plan, assessing views about changes to
coastal management**

This resource relates to Question 5.

Proposed interview with the Director of Housing, Punjab State
Housing Department

Timing	Interview focus
Introduction **(2 minutes)**	**Our research and how it will be used:** • This is an informal interview. We want your honest views about urban regeneration. • Anything said will be treated as confidential and your personal data will not be shared.
Background **(5 minutes)**	**Now tell us about your department:** • What is your job role? • Which aspects of urban regeneration are you involved in?
Detailed questions **(15 minutes)**	**Exploring urban regeneration:** • What are the main problems and conflicts in the area? • How successful has urban regeneration been?

Figure 4a

Extract from an interview plan, assessing views about an urban regeneration scheme

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