

Please check the examination details below before entering your candidate information

Candidate surname	Other names
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Centre Number	Candidate Number
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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.

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Q:1/1/1/1



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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)

(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)

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Area with horizontal dotted lines for writing.

(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)

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2

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

(2)

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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:

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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)

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

(12)

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(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)

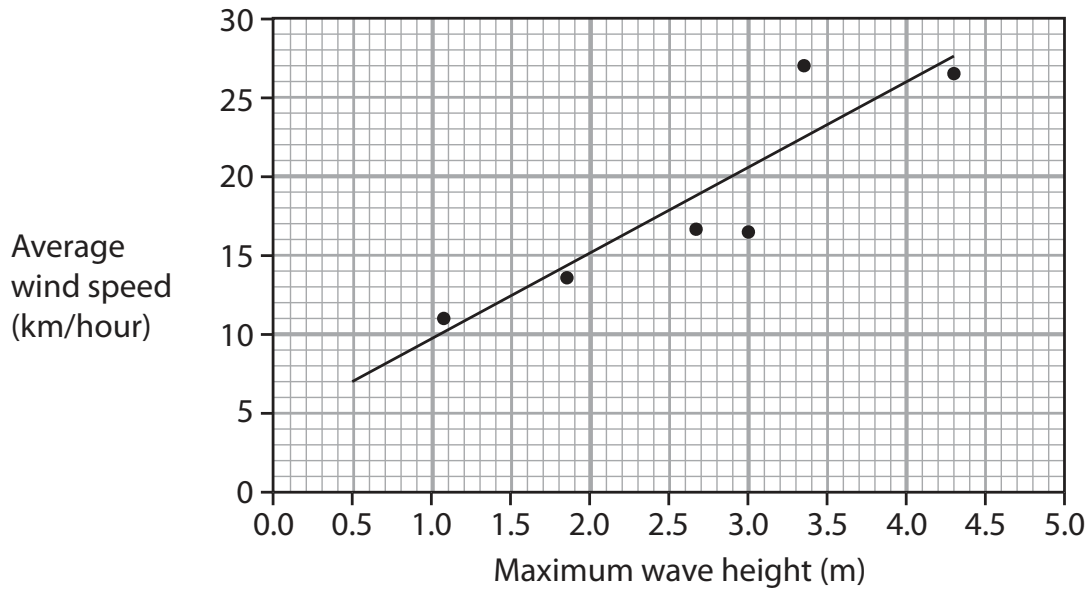


Figure 3c

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)

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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



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

(2)

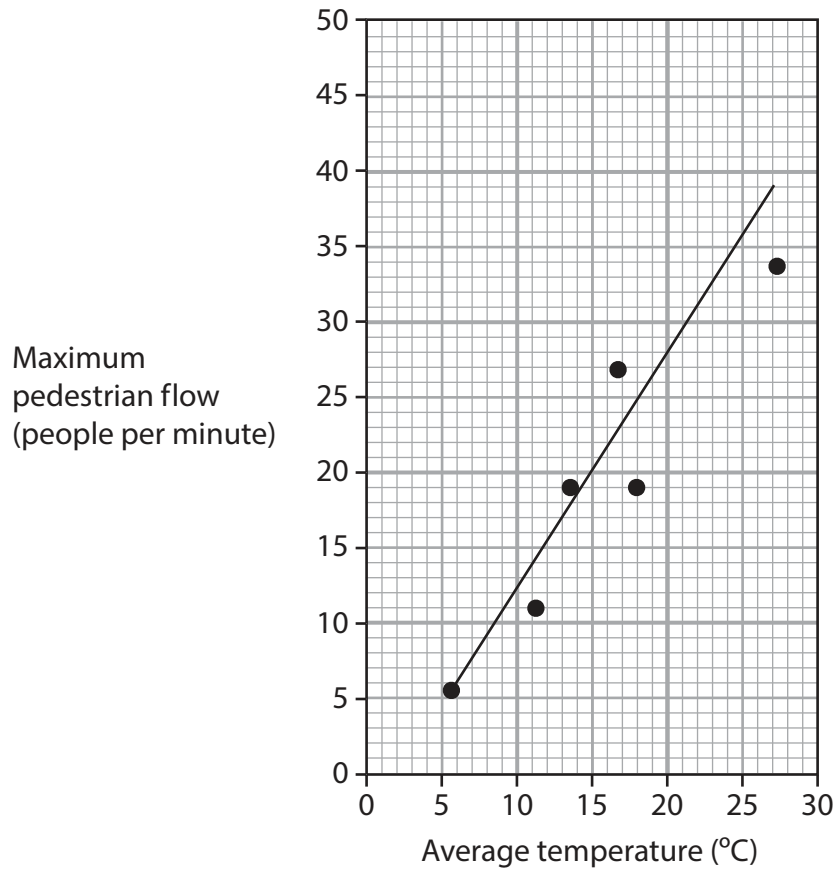


Figure 4c

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

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Resource Booklet

Do not return this Booklet with the question paper.

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SECTION A

This resource relates to Question 1.

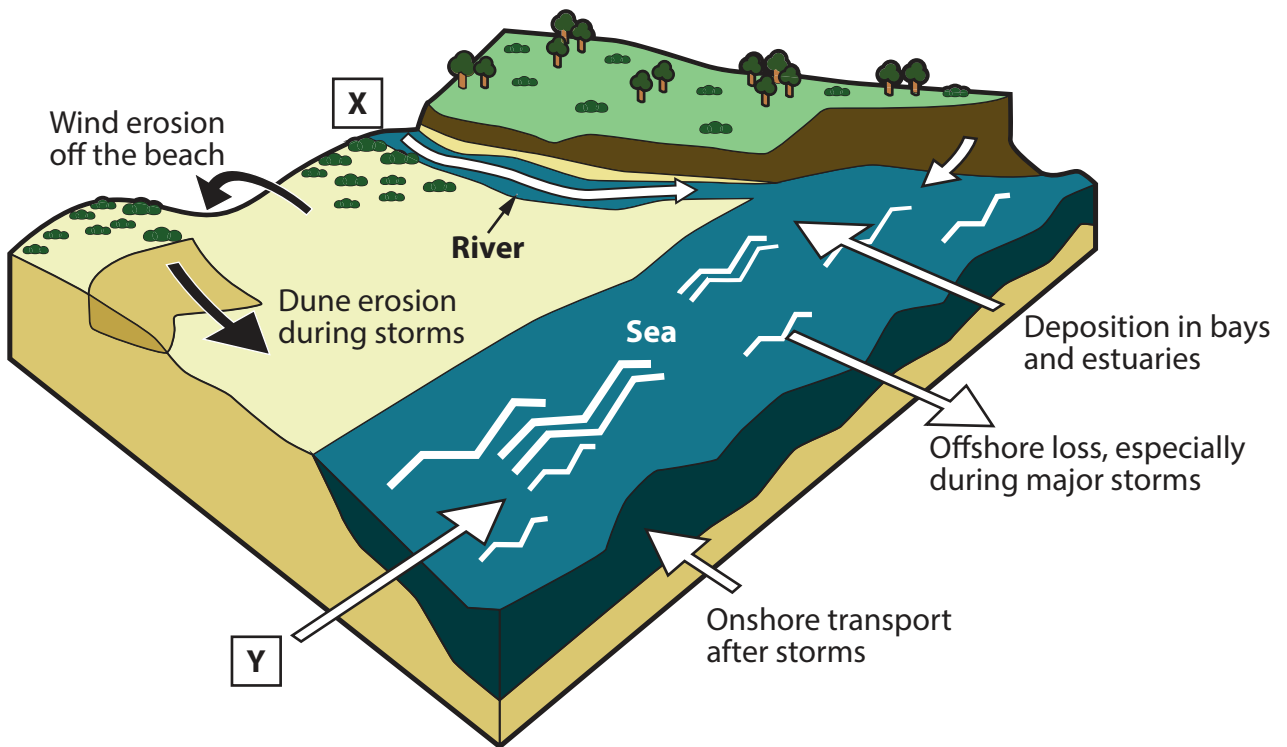


Figure 1

A diagram of the Sediment Cell concept



This resource relates to Question 2.

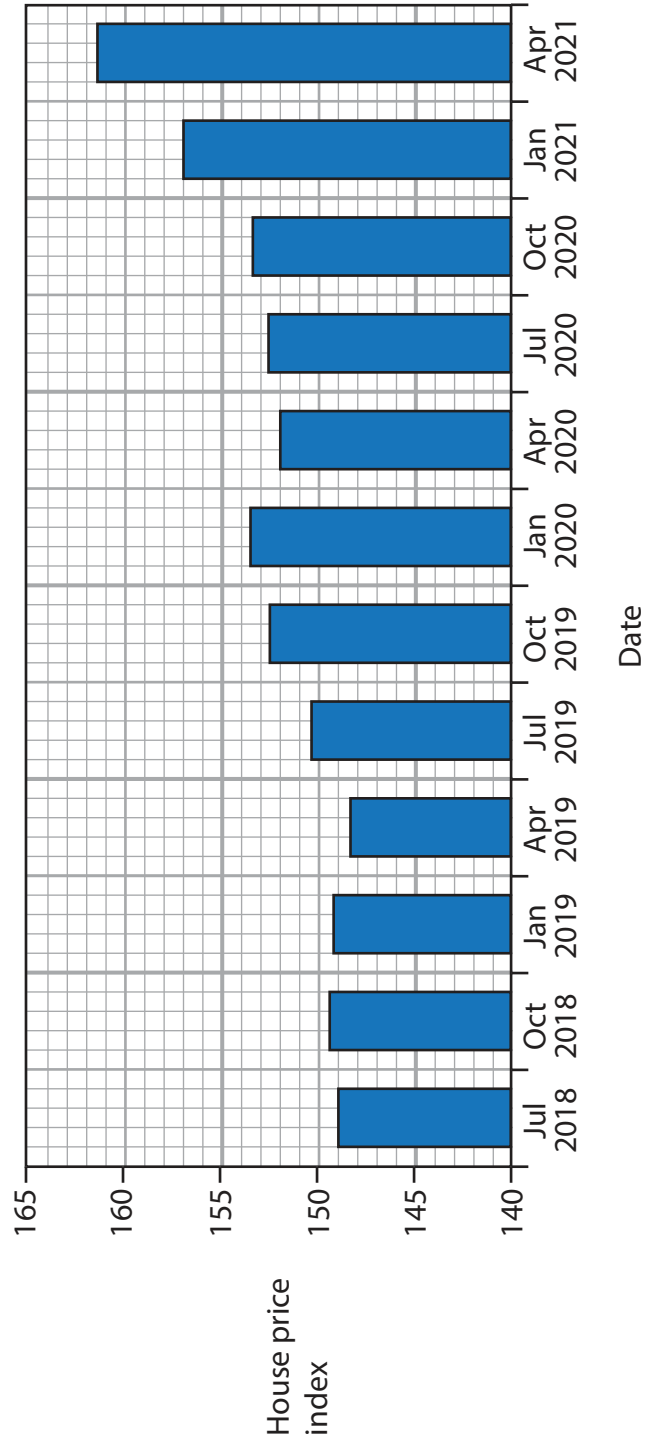


Figure 2
A house price index for Singapore, July 2018 – April 2021



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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• What is your job role?• Which aspects of coastal management are you involved in?
Detailed questions (15 minutes)	Exploring coastal management: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• What is your job role?• Which aspects of urban regeneration are you involved in?
Detailed questions (15 minutes)	Exploring urban regeneration: <ul style="list-style-type: none">• 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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Acknowledgements

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

Figure 2 adapted from: <https://tradingeconomics.com/singapore/housing-index>

