

Please check the examination details below before entering your candidate information

Candidate surname		Other names	
Centre Number	Candidate Number		
<input type="text"/>	<input type="text"/>		

Pearson Edexcel International Advanced Level

Thursday 23 January 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
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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.
- Individual links to questions and texts can be found at the bottom of some pages and are shown by a link symbol .

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SECTION A

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

Crowded Coasts

1 Study Figures 1a and 1b in the Resource Booklet.

(a) (i) Identify the coastal ecosystems A and B.

(2)

A

B

(ii) Explain **one** way human activity threatens coastal ecosystems, such as those shown in Figures 1a and 1b.

(2)

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- (b) Examine the success of soft engineering approaches used to protect coasts from erosion.

(8)

(Total for Question 1 = 12 marks)

Urban Problems, Planning and Regeneration

2 Study Figure 2 in the Resource Booklet.

(a) (i) Describe the changes in traffic volume between 10:00 and 18:00.

(2)

(ii) Explain **one** way human wellbeing in cities is affected by the volume of road traffic.

(2)

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- (b) Assess the costs and benefits of large-scale infrastructure projects used for urban regeneration.

(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.

- (a) Explain **one** possible risk to you during your fieldwork data collection.

(3)

- (b) Explain **one** way the internet was used to help plan your investigation.

(3)

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You have presented the data you collected as part of your fieldwork investigation.

(c) Explain the advantages of the presentation methods you used.

(6)



You used sampling procedures to collect the data for your fieldwork investigation.

- (d) Evaluate how the reliability of your results was affected by your sampling procedures and sample sizes.

(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.

Indicate which question you are answering by marking a cross ☒. If you change your mind, put a line through the box ☒ and then indicate your new question 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 (a) Study both the information in the box and Figure 3a below.

A group of students studied the impacts of visitor activities on Gaivota beach, Portugal. They designed a recording sheet to help them survey different beach activities and the age groups of visitors.

The recording sheet and results are shown in Figure 3a.

Activity	Age group (years)					Total
	Below 15	15–24	24–44	44–54	More than 60	
Swimming	4	0	5	10	1	20
Birdwatching	0	0	3	3	4	10
Beach sports	9	6	6	10	0	31
Using smartphones	3		0	2	0	19
Total	16	20	14	25	5	

Figure 3a

Recording sheet and results

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(i) Calculate the number of 15–24-year-olds using smartphones. (1)

(ii) Calculate the percentage (%) of all visitors that were swimming.
You must show your working. (2)

%

(iii) Suggest how the design of this recording sheet might lead to unreliable results. (3)

(iv) Explain how **one** secondary data source could help these students investigate the impact of visitors on this coastal area. (3)

Study the information in the box below and Figure 3b in the Resource Booklet.

The students arranged an interview with a local government official to investigate beach management at Gaivota.

Their interview plan is shown in Figure 3b in the Resource Booklet.

(b) Explain the advantages of using this interview plan.

(3)

(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** (a) Study both the information in the box and Figure 4a below.

A group of students studied the impacts of visitor activities at a regenerated industrial site in Lisbon, Portugal. They designed a recording sheet to help them survey different visitor activities and the age groups of visitors.

The recording sheet and results are shown in Figure 4a.

Activity	Age group (years)					Total
	<15	15–24	24–44	44–54	>60	
Sitting in a café	4	0	5	10	1	20
Talking in the street	0	0	3	3	4	10
Shopping	9	6	6	10	0	31
Using smartphones	3		0	2	0	19
Totals	16	20	14	25	5	

Figure 4a

Recording sheet and results

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DO NOT WRITE IN THIS AREA

(i) Calculate the number of 15–24 year-olds using smartphones. (1)

(ii) Calculate the percentage (%) of all visitors that were sitting in a café.
You must show your working. (2)

(iii) Suggest how the design of this recording sheet might lead to unreliable results. (3)

(iv) Explain how **one** secondary data source could help these students investigate the impact of visitors on this regenerated site. (3)

%

Study the information in the box below and Figure 4b in the Resource Booklet.

The students arranged an interview with a local government official to investigate the management of the regenerated site.

Their interview plan is shown in Figure 4b in the Resource Booklet.

(b) Explain the advantages of using this interview plan.

(3)

(Total for Question 5 = 12 marks)

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

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UNIT 2: Geographical Investigations

Resource Booklet

Do not return this Booklet with the question paper.

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SECTION A

The following resources relate to Question 1.



Figure 1a

Coastal ecosystem A in the Red Sea

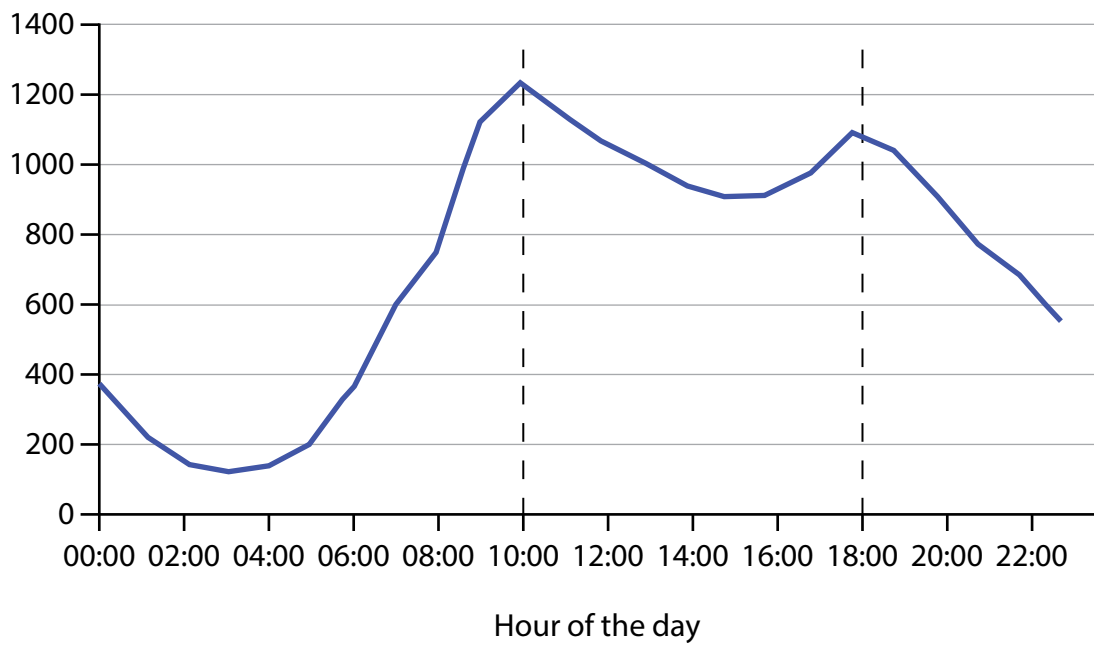


Figure 1b

Coastal ecosystem B in Australia

This resource relates to Question 2.

Vehicles per hour



Key

— Traffic volume

Figure 2

Road traffic volume survey result in Ahmedabad, India

SECTION C

This resource relates to Question 4.

Timing	Interview plan
Introduction (2 minutes)	<ul style="list-style-type: none">• This is an informal, confidential interview and we would like your views.
Background (5 minutes)	<ul style="list-style-type: none">• Please tell us about your job role and responsibilities.
Detailed questions (15 minutes)	<ul style="list-style-type: none">• How important are visitors to the beach economy?• What changes might be needed to manage the beach successfully?

Figure 3b

The students' interview plan

This resource relates to Question 5.

Timing	Interview plan
Introduction (2 minutes)	<ul style="list-style-type: none">• This is an informal, confidential interview and we would like your views.
Background (5 minutes)	<ul style="list-style-type: none">• Please tell us about your job role and responsibilities.
Detailed questions (15 minutes)	<ul style="list-style-type: none">• How important is the regenerated site to the city economy?• What changes are needed to manage the impacts of visitors to the site?

Figure 4b

The students' interview plan

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Acknowledgements

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

Figure 1a: © Jan Włodarczyk / Alamy Stock Photo

Figure 1b: © Pawel Kazmierczak / Alamy Stock Photo

Figure 2: adapted from www.mdpi.com

