

Answer ALL questions.

1. Study Figure 1(a) which shows the River Cimaican in West Java. The river was the subject of a fieldwork investigation.

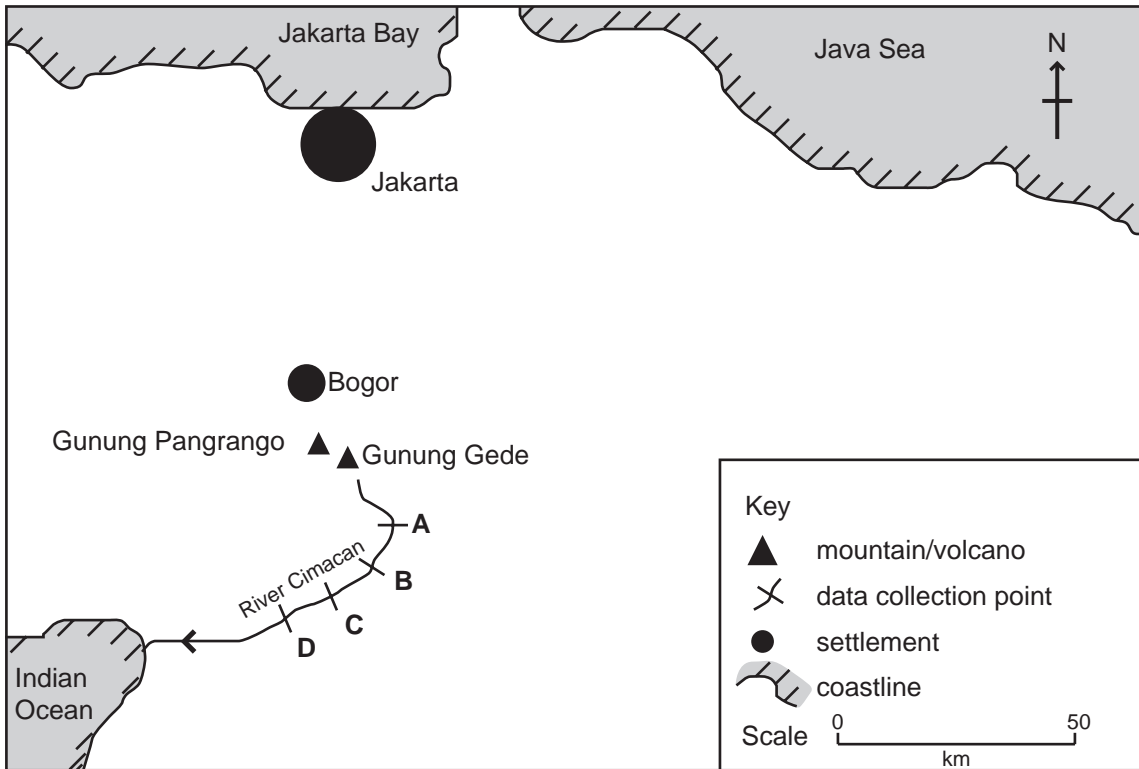


Figure 1(a)

- (a) Using information from Figure 1(a), choose the correct words from the box below to complete the sentences.

northerly 75 kilometres Bogor Gunung Pangrango Java Sea 75 centimetres
 Gunung Gede 100 kilometres easterly Indian Ocean Jakarta Bay southerly

The River Cimaican flows first in a direction
 and then westerly from its source near to its
 mouth on the

The total length of the river is approximately
(4)



(b) Figure 1(b) shows measurements that were made of the River Cimacan's channel at point D on Figure 1(a).

Distance from left river bank (metres)	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
Channel depth (metres)	0	0.6	0.8	0.3	0.1	0.4	0.2	0.1	0
River velocity (metres per second)	0	0.4	0.7	0.2	0.1	0.3	0.6	0.1	0

Figure 1(b)

(i) Where is the deepest measurement?

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(1)

(ii) Use data in Figure 1(b) to complete Figure 1(c), a sketch section of the river's channel.

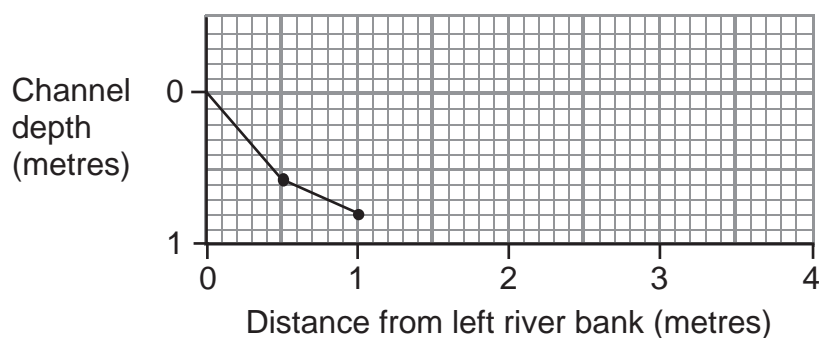


Figure 1(c)

(3)

(iii) Use data shown in Figure 1(b) to complete Figure 1(d), a scattergraph.

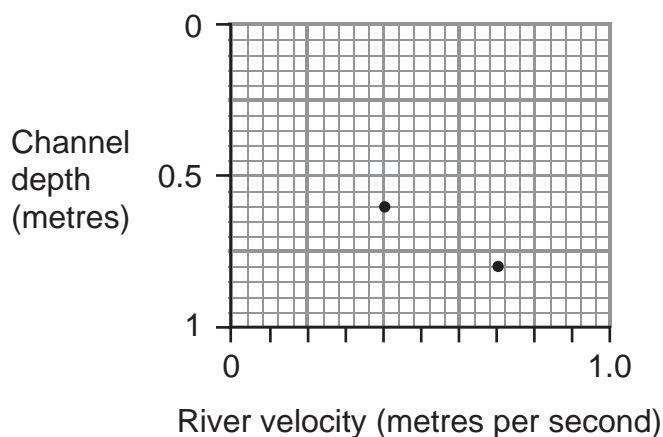


Figure 1(d)

(2)



(iv) Describe the relationships shown by your completed scattergraph.

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(3)



(c) River velocity and the long axis of the river's bed load were recorded at points **A**, **B**, **C** and **D** on Figure 1(a). Figure 1(e) shows the averages of these measurements.

Point	Average river velocity (metres per second)	Average bed load long axis (centimetres)
A	0.10	7.1
B	0.16	5.6
C	0.11	5.8
D	0.26	3.5

Figure 1(e)

What are the trends between points **A** and **D** along the course of the River Cimačan? Suggest reasons for these trends.

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Q1

(Total 20 marks)

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2. Some students investigated the impact of tourism on Ambleside, a town located in the Lake District National Park (UK).

Study Figure 2(a) which shows the results of their questionnaire.

Date of questionnaire – 16/08/2006 (Main holiday period)

Question 1	Reason	Number of responses
Why are you visiting Ambleside?	Attractive town and scenery	60
	Shops and other attractions	20
	I live/work in Ambleside	10
	Visiting friends/family	5
	No reason given	5
	Total	100
Question 2		
How did you travel to Ambleside?	Car	80
	Coach	10
	Bus	5
	Walked	5
	Total	100

Figure 2(a)

- (a) (i) Complete and label Figure 2(b), a pie chart to show the results of Question 1 in Figure 2(a).

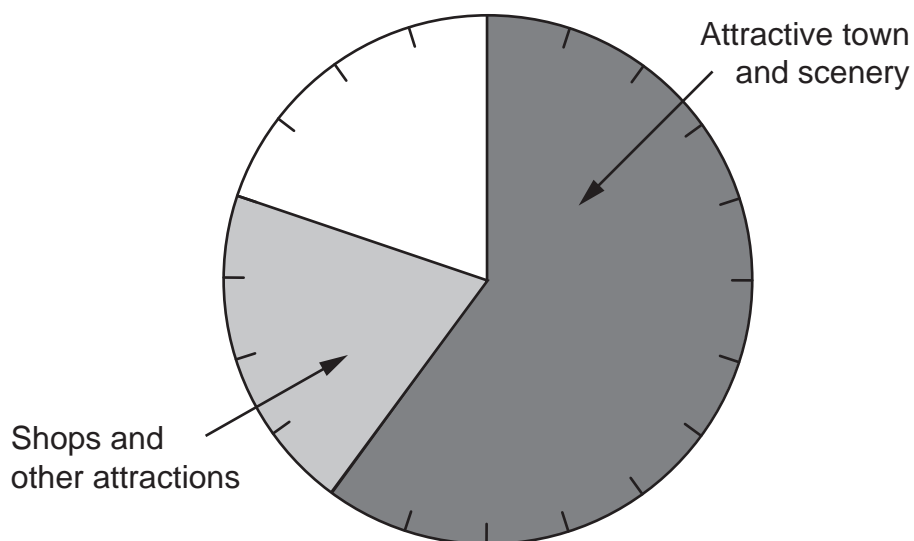


Figure 2(b)

(2)



(ii) Give **two** conclusions based on your completed pie chart.

Conclusion 1

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Conclusion 2

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(2)

(iii) Complete Figure 2(c), a bar chart to show how people travelled to Ambleside (Question 2, Figure 2(a)).

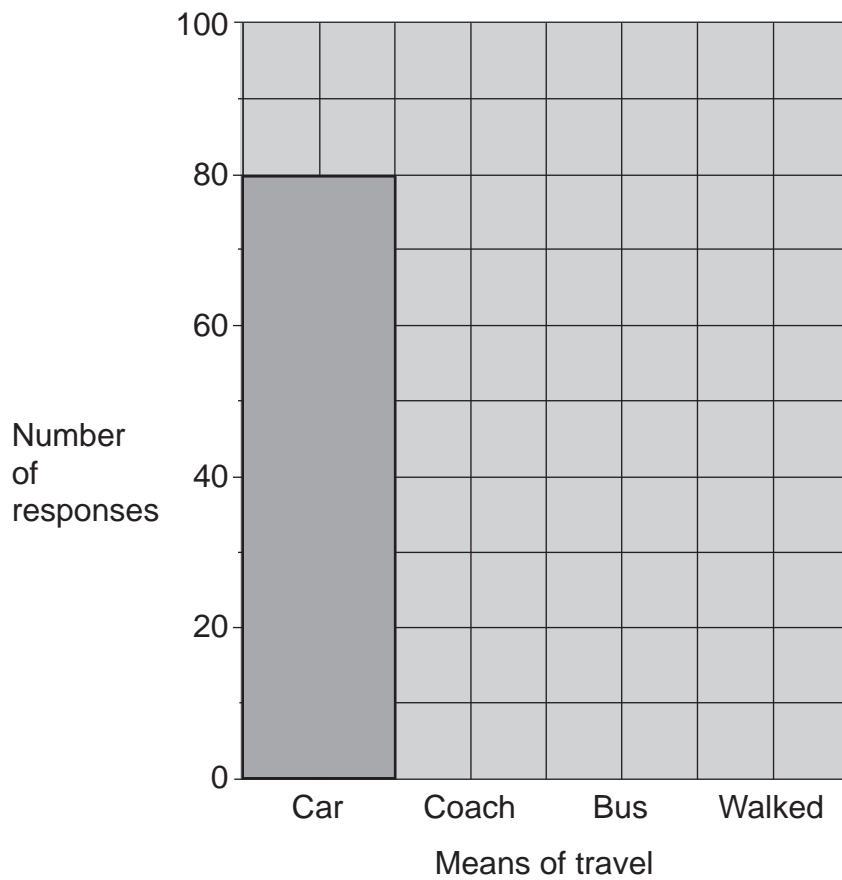


Figure 2(c)

(2)



(b) Figure 2(d) shows four sites where the students collected data.

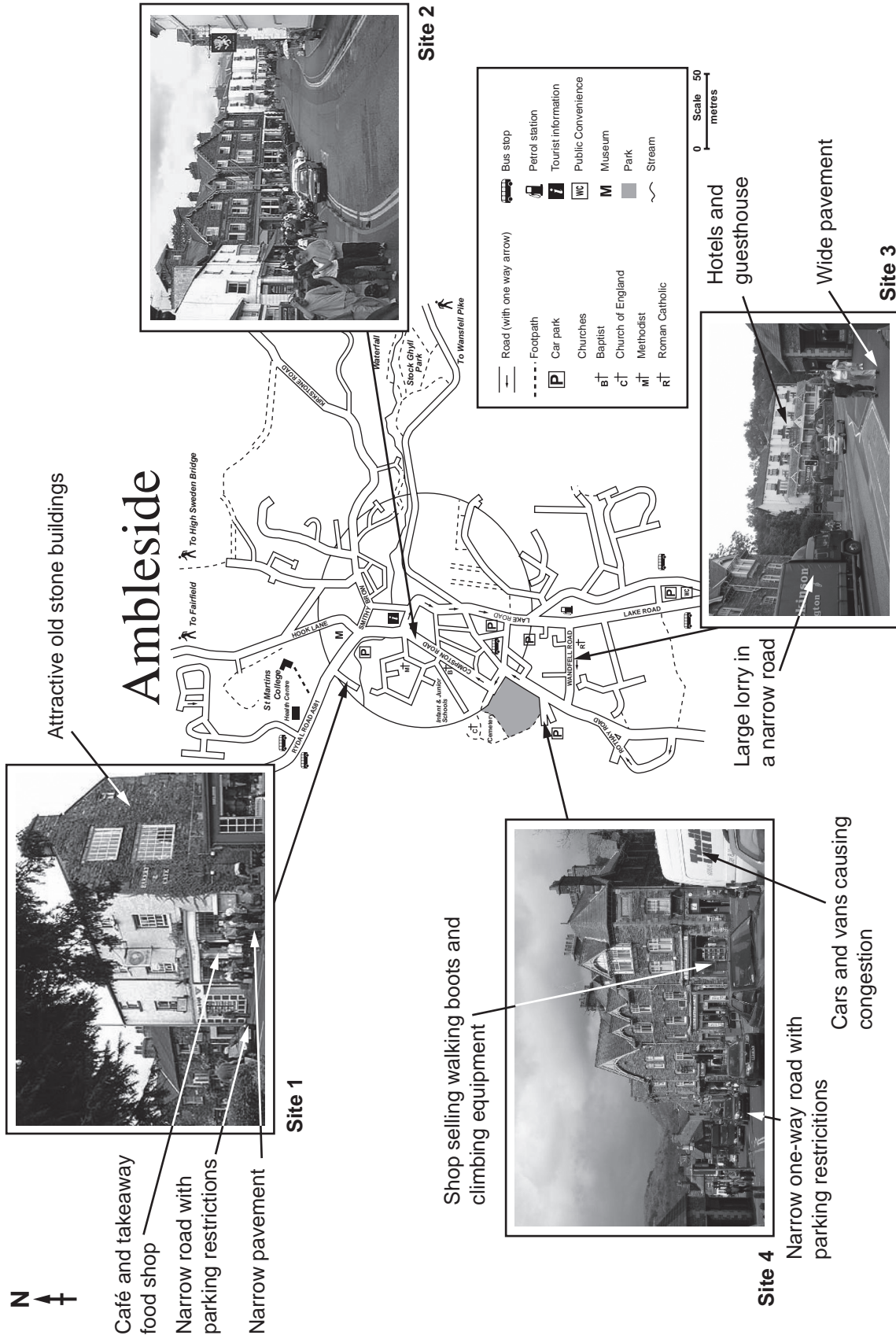


Figure 2(d)

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(i) Add **three** annotations to the photograph of Site 2.

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(ii) Using evidence from Figures 2(c) and 2(d), give reasons why Ambleside might experience traffic congestion.

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(c) The students reached the conclusion that most of the services in Ambleside are for the benefit of tourists.

Using information from Figures 2(a) and 2(d), suggest why they reached this conclusion.

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(6)

Q2

(Total 20 marks)



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3. Use your own experience of ONE fieldwork investigation to answer this question.

Write the title of your investigation.

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(a) (i) Give **two** aims of your fieldwork investigation.

Aim 1

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Aim 2

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(2)

(ii) Describe the data you collected.

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(b) (i) Draw and label a sketch map to show where you collected your data.

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(ii) Explain why you selected these data collection sites.

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(c) (i) Outline your conclusions.

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(4)

(ii) How might your fieldwork investigation have been improved?

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Q3

(Total 20 marks)

TOTAL FOR PAPER: 60 MARKS

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