Centre No.						Paper Reference	Surname	Initial(s)
Candidate No.						4 3 7 0 / 0 3	Signature	

Paper Reference(s)

4370/03

London Examinations IGCSE

Geography

Paper 3

Thursday 10 November 2005 – Afternoon

Time: 1 hour 15 minutes

Examiner's use only

Team Leader's use only

Question Number	Leave Blank
1	
2	
3	
Total	

Materials required for examination	**Items included with question papers**
Ruler, pencil and pen	Nil

Instructions to Candidates

Answer all THREE questions in the spaces provided.
In the boxes above, write your centre number, candidate number, your surname, initials, and signature.

Information for Candidates

The total mark for this paper is 60. Each question is worth 20 marks.
Marks allocated to parts of questions are indicated in round brackets: e.g. **(2)**.
There are 12 pages in this question paper. Any blank pages are indicated.
Calculators may be used.

Advice to Candidates

Write your answers neatly and in good English.
You should spend no more than 25 minutes on each question.

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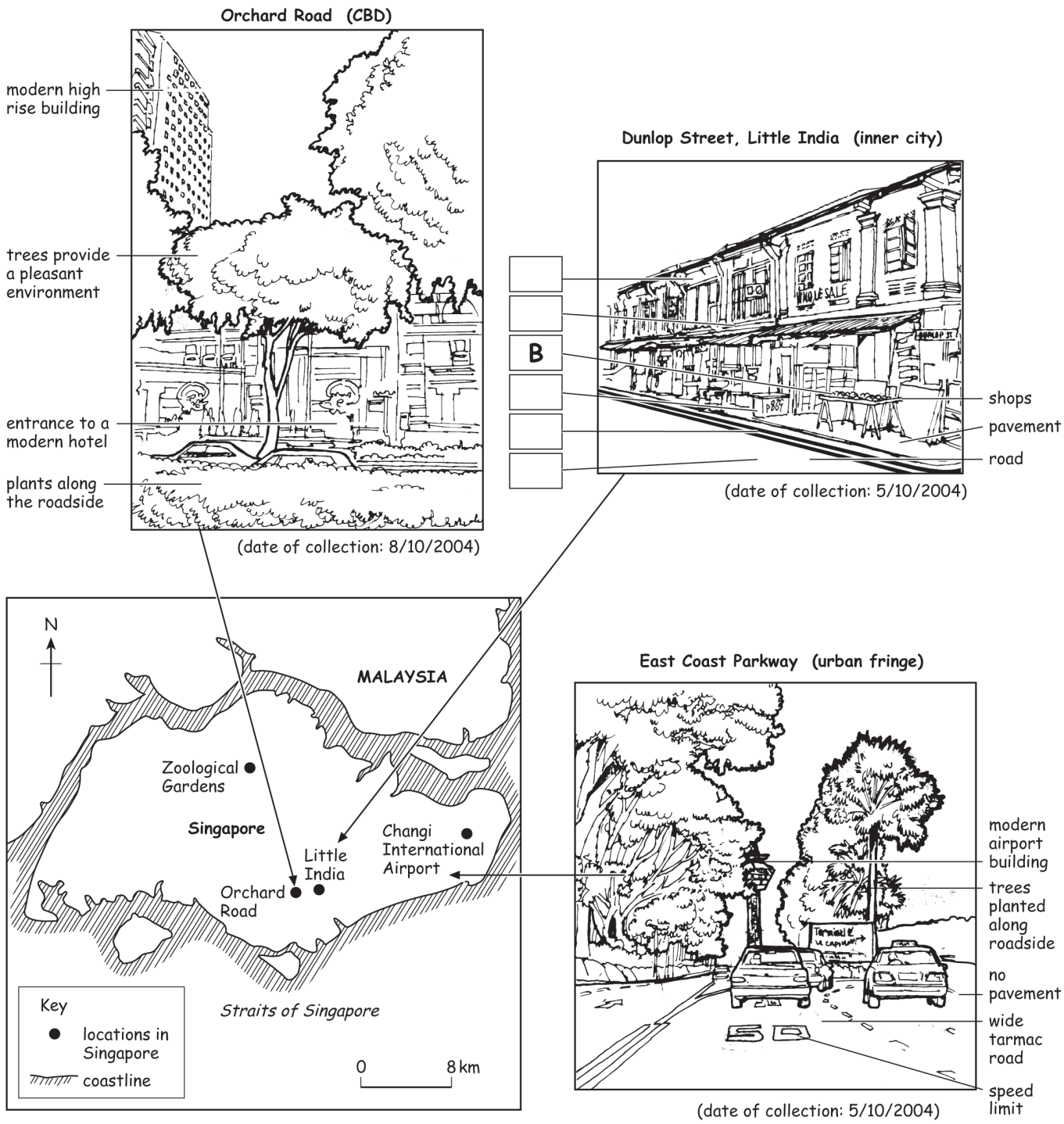

Figure 1

Leave blank

Answer all the questions

1. Some students investigated land use in three different areas of Singapore: Orchard Road, Dunlop Street and East Coast Parkway. Figure 1 shows a page from one student's coursework.

(a) The table shows the annotations for Dunlop Street. Write the letters **A** to **F** in the correct box on Figure 1. **B** has been done for you.

A	stalls and boxes block the pavement	**D**	double lines preventing parking
B	shops selling fruit and vegetables	**E**	no traffic on the road
C	old buildings	**F**	buildings two storeys high

(5)

(b) The students carried out an environmental survey in each area. Figure 2 shows their results for Dunlop Street.

	+2	**+1**	**0**	**-1**	**-2**		**Total score**
quiet	✓✓✓✓	✓				noisy	+9
not busy	✓✓✓✓✓					busy	+10
modern buildings				✓✓	✓✓✓	old buildings	-8
wide pavement				✓✓✓✓✓		no pavement	-5
trees/ plants					✓✓✓✓✓	no trees/ plants	-10

Figure 2

Plot the **total scores** on Figure 3. The score for pavements has been plotted for you.

(4)

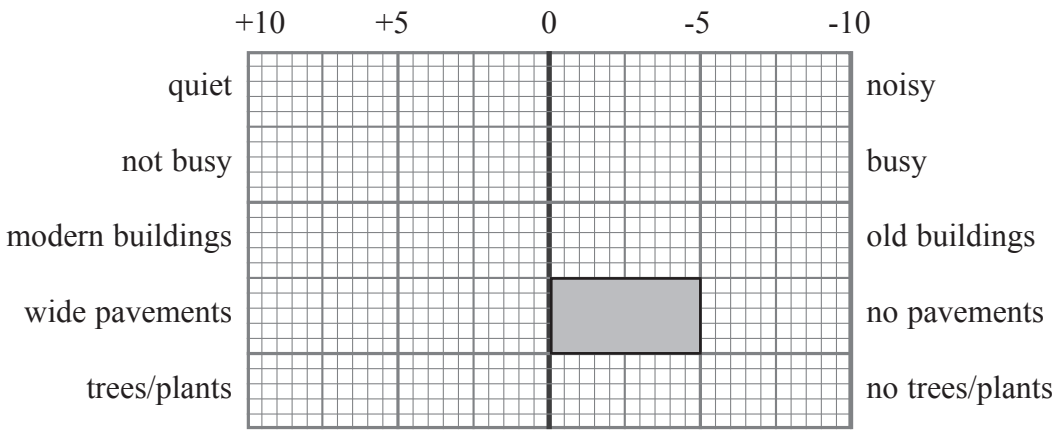

Figure 3: Total scores

Leave blank

(c) Figure 4 shows the completed graphs for Orchard Road and East Coast Parkway.

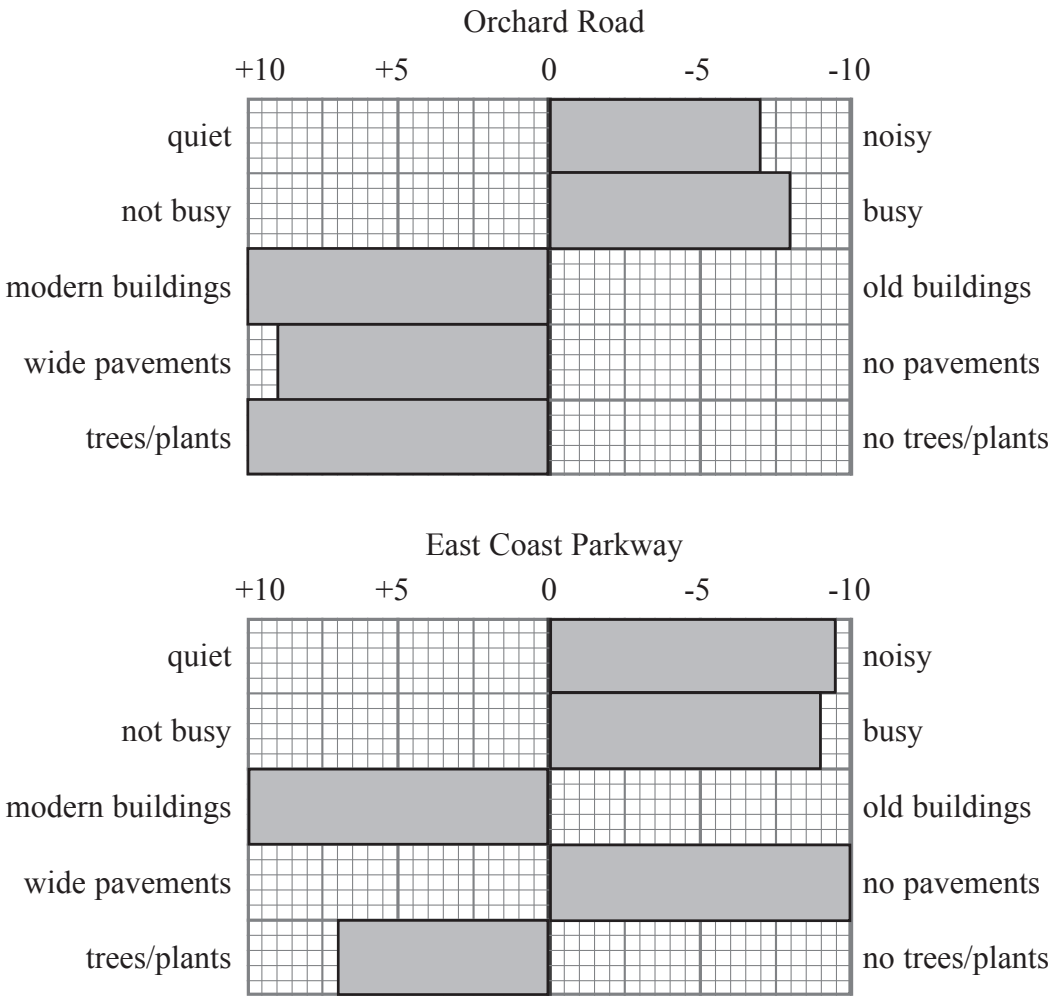

Figure 4

Describe the similarities and the differences shown by the two graphs.

Similarities.....

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(2)

Differences.....

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(2)

Leave blank

(d) The student's conclusion was that 'the quality of different areas within Singapore improves with distance from the CBD (Central Business District)'.

(i) Do you agree with the student's conclusion? YES / NO

(ii) Give reasons for your answer. Use Figures 1 to 4 to help you.

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(7)

Q1

(Total 20 marks)

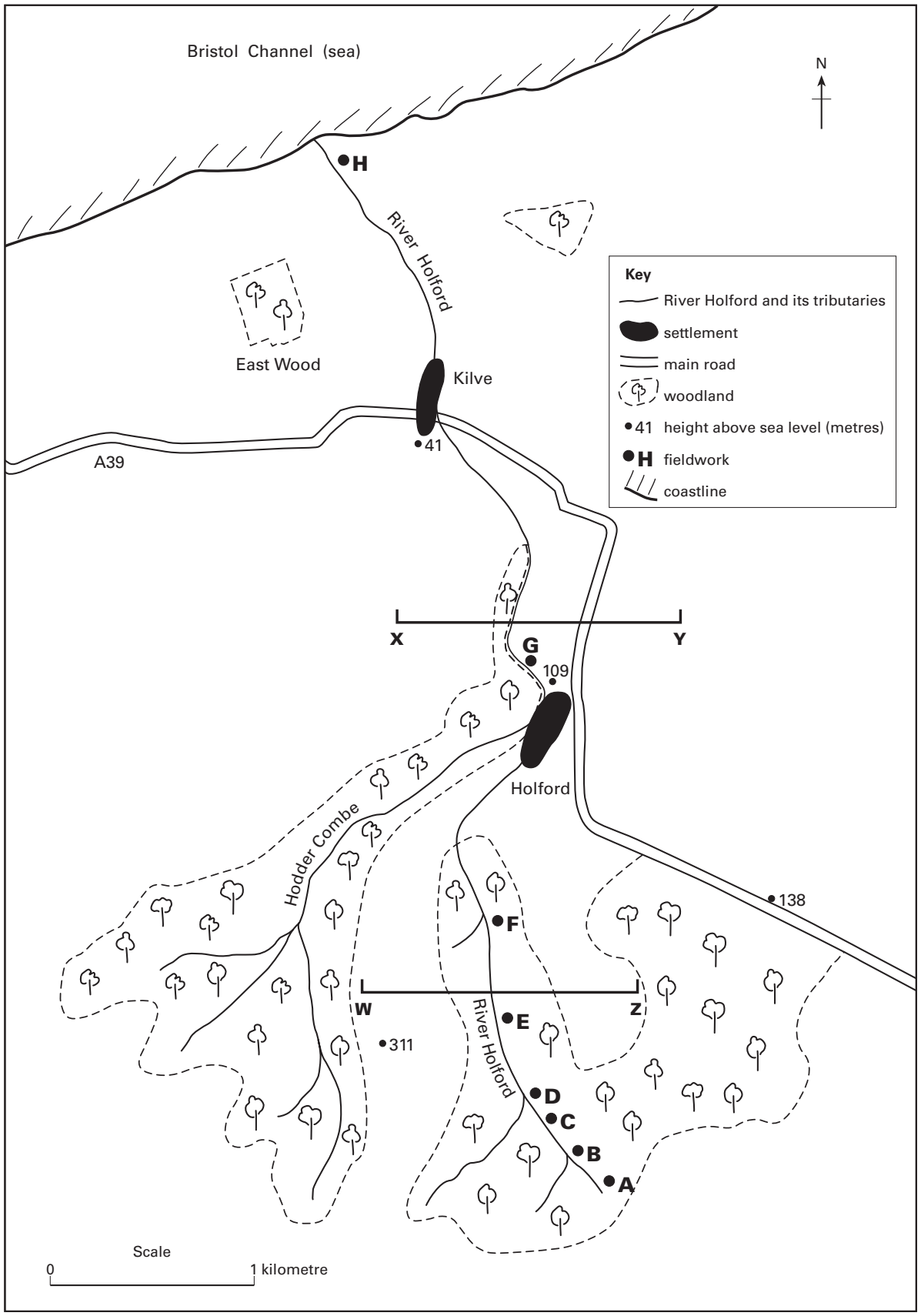
Bristol Channel (sea)
N
H
River Holford
East Wood
Kilve
41
A39
Key
River Holford and its tributaries
settlement
main road
woodland
41 height above sea level (metres)
H fieldwork
coastline
X
Y
G
109
Holford
Hodder Combe
138
F
W
Z
E
311
River Holford
D
C
B
A
Scale
0
1 kilometre

Figure 5

Leave blank

2. Study Figure 5. It shows the area around the River Holford in Somerset (United Kingdom). This area was studied as part of a fieldwork investigation.

(a) (i) In which direction is the River Holford flowing?

.....

(ii) Name the woodland to the north west of Kilve.

.....

(iii) Name the settlement nearest to the mouth of the River Holford.

.....

(iv) What is the straight line distance between fieldwork sites **C** and **F**?

.....

(v) Give the height of the highest point.

.....

(5)

(b) Figures 6a and 6b show sketch cross sections along the lines **WZ** and **XY** across the River Holford valley.
Cross section **WZ** has been labelled.

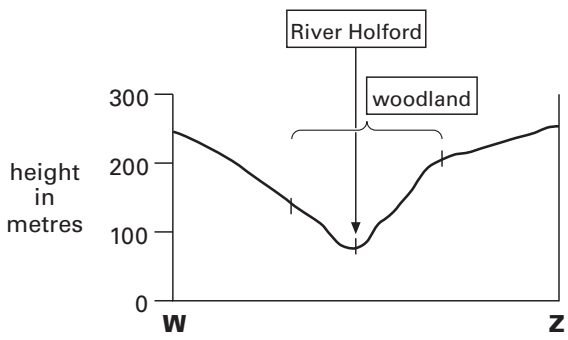

Figure 6a

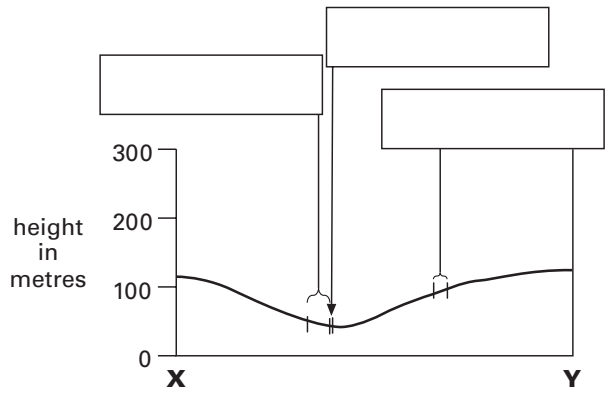

Figure 6b

Add labels to cross section **XY**. Choose from this list.

- River Holford
- A39
- settlement
- woodland

(3)

Leave blank

(c) The students collected data at sites **A** to **H** on the River Holford. Figure 7 shows their results.

Site	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**
river width (metres)	**1.2**	**1.5**	2.2	2.4	3.2	3.6	3.4	3.5
river depth (metres)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
velocity (metres per second)	**0.04**	**0.06**	0.09	0.24	0.19	0.25	0.35	0.28

Figure 7

(i) At which site

1. was the river flowing at the highest velocity? .....

2. did the river have the greatest depth? .....

(2)

(ii) Figure 8 is a scatter graph. Complete it to show the relationship between the river width and velocity (speed). The numbers shown **in bold** in Figure 7 have been plotted for you.

Figure 8

(4)

Leave blank

(iii) What relationship is shown by the completed scatter graph?

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(2)

(iv) What geographical conclusions can you draw from this relationship?

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(4)

Q2

(Total 20 marks)

Leave blank

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

(a) (i) What question or issue did you investigate?

.....

.....

(1)

(ii) What was the main aim of your investigation?

.....

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(2)

(iii) Describe the location of your fieldwork.

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(4)

(b) (i) State **one** problem that occurred during your data collection.

.....

.....

(1)

Leave blank

(ii) How did you solve this problem?

.....

.....

.....

.....

(2)

(c) (i) Complete the table to show

- two types of data you collected
- the method you used to present each one.

	Method of presentation
Type of data 1	
Type of data 2	

(4)

Question 3 continues on the next page

Leave blank

(ii) Select **one** of your methods of presenting data shown in (c)(i). Why did you choose this method? You may include a diagram as part of your answer.

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(4)

(iii) What other method could you use to present this same data?

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(2)

Q3

(Total 20 marks)

TOTAL FOR PAPER: 60 MARKS

END