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**GEOGRAPHY**

**2217/23**

Paper 2

**October/November 2019**

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**2 hours 15 minutes**

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**READ THESE INSTRUCTIONS FIRST**

This Insert contains Fig. 3.1 for Question 3, Table 4.1 for Question 4, Figs. 7.1, 7.2, 7.3 and 7.5 and Tables 7.1 and 7.2 for Question 7, and Figs. 8.1, 8.2 and 8.5 and Tables 8.2 and 8.3 for Question 8.

The Insert is **not** required by the Examiner.

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This document consists of **13** printed pages and **3** blank pages.

Fig. 3.1 for Question 3  
A coastal location



**Table 4.1 for Question 4****Relative humidity table**

dry-bulb (°C)	number of degrees difference between the wet-bulb and dry-bulb readings (°C)									
	1	2	3	4	5	6	7	8	9	10
18	91%	82	73	65	57	50	42	35	28	21
19	91	82	74	66	58	51	44	37	30	24
20	91	83	75	67	59	52	45	38	32	26
21	91	83	75	68	60	53	47	40	34	27
22	92	84	76	69	61	54	48	41	35	29
23	92	84	77	69	62	56	49	43	37	31
24	92	84	77	70	63	57	50	44	38	32
25	92	85	77	71	64	57	51	45	40	34
26	92	85	78	71	65	58	52	46	41	35
27	93	85	78	72	65	59	53	47	42	37
28	93	86	79	72	66	60	54	49	43	38

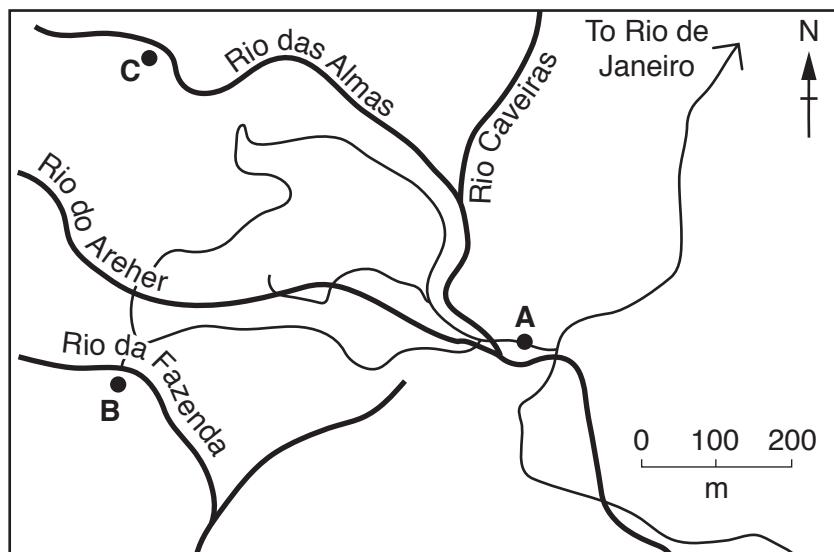
Fig. 7.1 for Question 7

## Three fieldwork sites

**Site A** is located 460 m above sea level. It is a popular site for people to visit. The site contains a car park and picnic tables from which footpaths lead into the forest. Tourist developments have changed the original forest so it is less dense than originally.

**Site B** is located 560 m above sea level. Much of the original vegetation was removed to create a coffee plantation. Since the plantation was closed the natural vegetation has grown back but the vegetation is less dense than it was originally.

**Site C** is located 685 m above sea level. It is an area of natural rainforest which is less accessible than sites A and B. Little development has taken place here.

**Key**

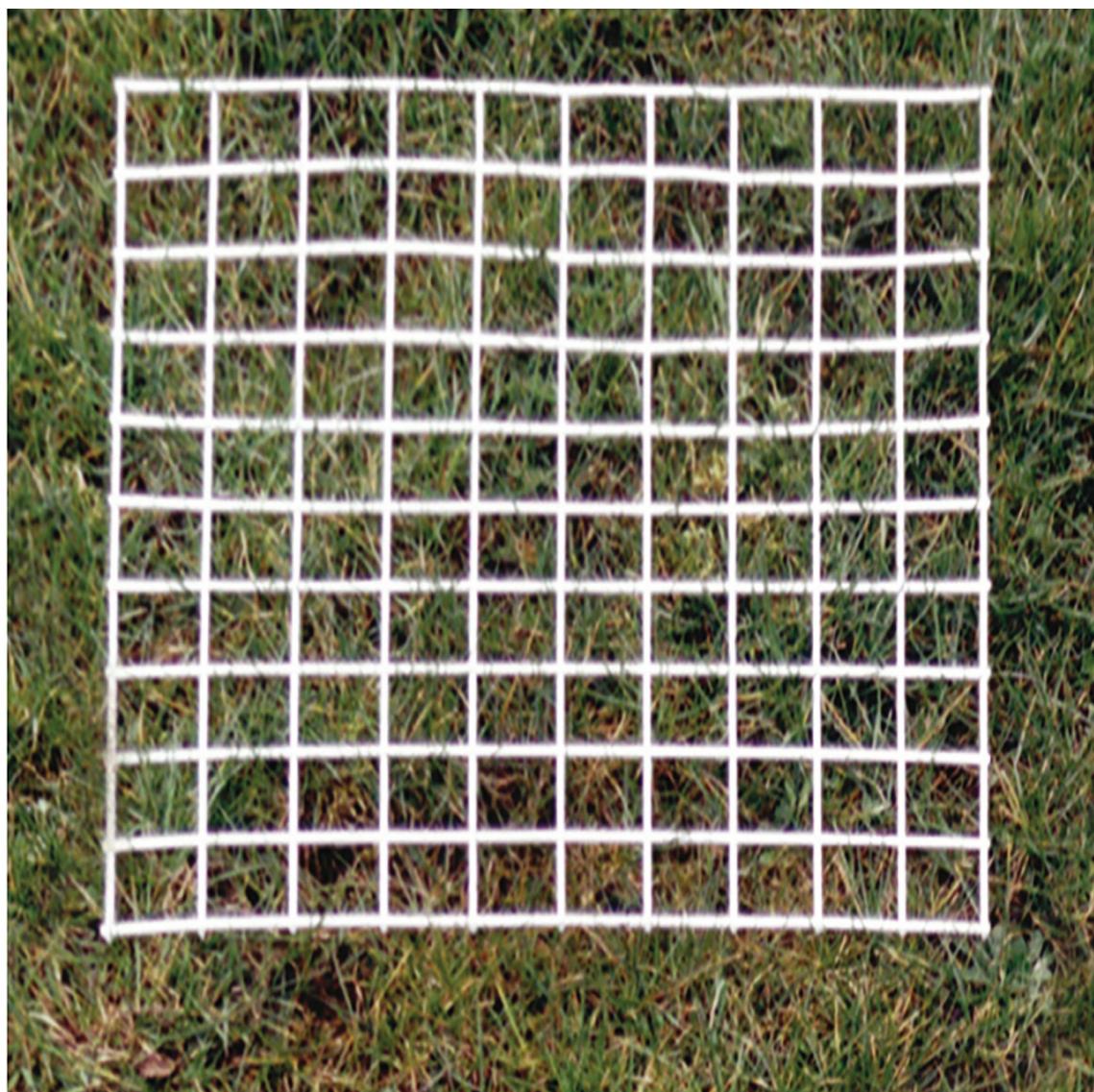
● A,B,C fieldwork sites

river

road

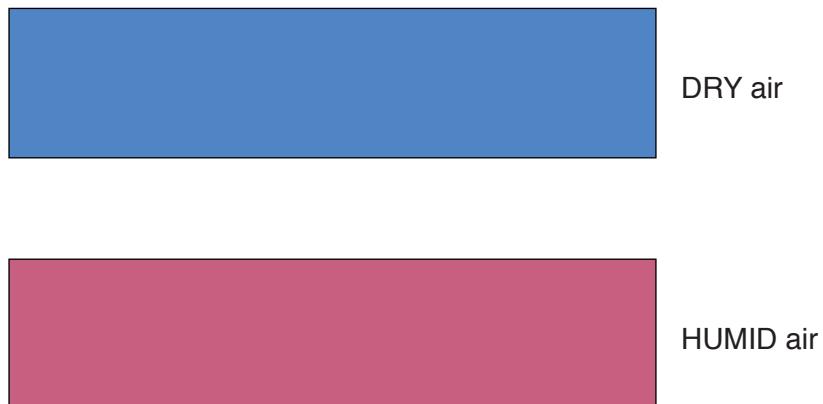
**Fig. 7.2 for Question 7**

**Fieldwork equipment**



**Fig. 7.3 for Question 7****How to measure humidity**

We used cobalt chloride paper to measure the humidity of the air. This paper is blue when it is dry and turns pink when exposed to humid air. We took a piece of cobalt chloride paper from the dry container where it had been kept and held it in the air. We used a stop-watch to measure how long it took for the paper to change from blue to pink. **The faster this change of colour occurred, the greater the humidity of the air.**

**Table 7.1 for Question 7****Results of students' measurements**

	Measure- ment 1	Measure- ment 2	Measure- ment 3	Measure- ment 4	Measure- ment 5	Average
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**Site A**

Percentage of vegetation cover	36	20	8	38	19	24.2
Percentage of bare ground	64	80	92	62	81	75.8
Humidity measurement (seconds)	60	52	46	49	56	52.6
Infiltration time (seconds)	36	40	58	60	44	47.6

**Site B**

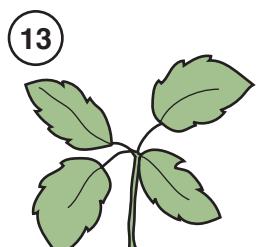
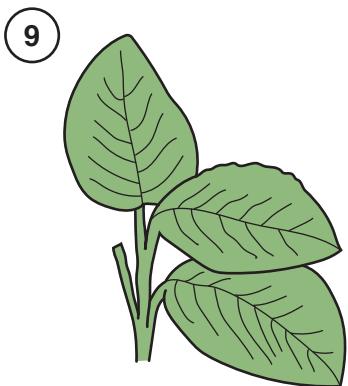
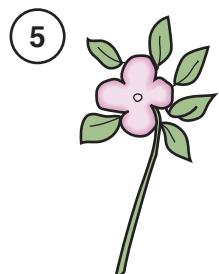
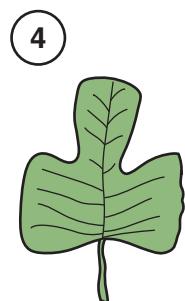
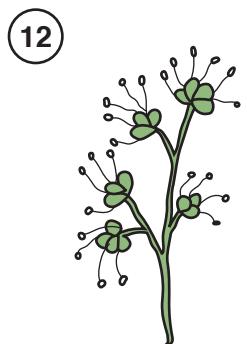
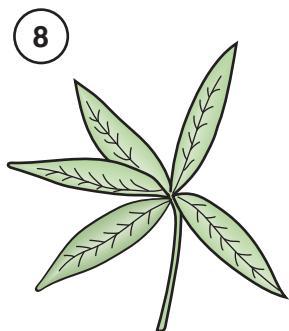
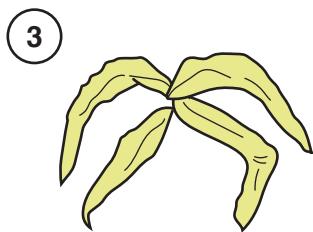
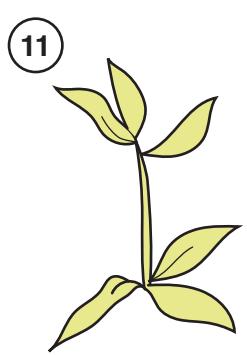
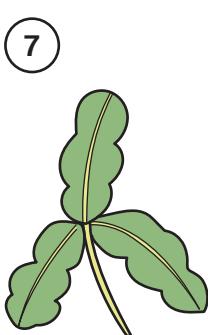
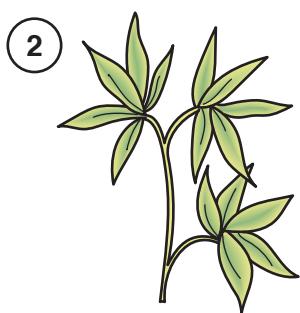
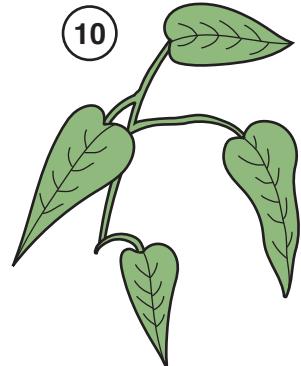
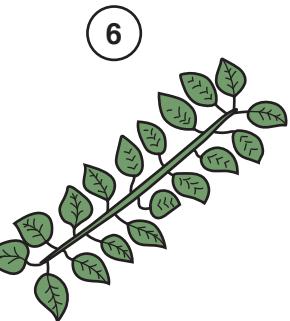
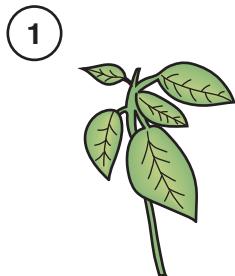
Percentage of vegetation cover	65	48	68	28	12	44.2
Percentage of bare ground	35	52	32	72	88	55.8
Humidity measurement (seconds)	100	175	135	129	125	132.8
Infiltration time (seconds)	25	35	21	48	52	

**Site C**

Percentage of vegetation cover	72	68	80	57	65	68.4
Percentage of bare ground	28	32	20	43	35	31.6
Humidity measurement (seconds)	96	90	103	115	84	97.6
Infiltration time (seconds)	20	28	25	22	30	25.0

Fig. 7.5 for Question 7

## Species of vegetation



**Table 7.2 for Question 7****Different species\* identified by students**

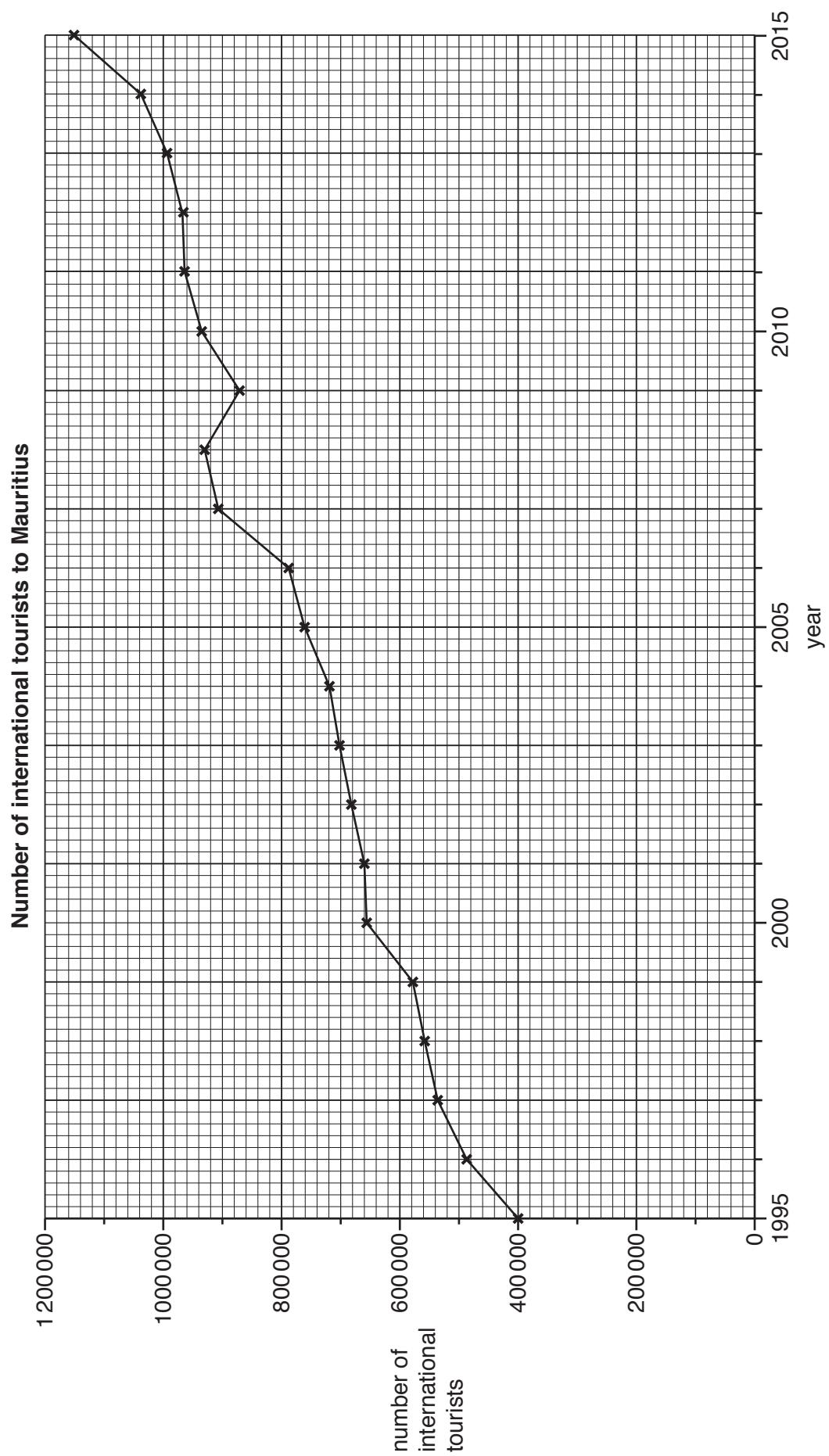
Species reference number	1	2	3	4	5	6	7	8	9	10	11	12	13
Site A	✓	✓				✓		✓		✓		✓	
Site B	✓	✓	✓	✓	✓				✓		✓		
Site C	✓	✓	✓	✓				✓	✓	✓		✓	✓

\*Species reference number in Fig. 7.5

**Key**

✓ species seen at the site

**Fig. 8.1 for Question 8**



**Fig. 8.2 for Question 8****Tourist questionnaire**

We are doing a tourism survey as part of our Geography fieldwork. Please answer the following questions.

1. Which continent do you come from?

Asia

Africa

Europe

Australasia

North America

South America

2. Which of the following physical landscape attractions are you visiting in Mauritius?

Black River Gorges National Park

Casela Bird Park

Chamarel coloured earths

Grand Baie beach

Île aux Cerfs

National Botanical Garden

Rochester Falls

3. Which of the following human landscape attractions are you visiting in Mauritius?

Cap Malheureux church

Chamarel distillery

Fort Adelaide

Flic-en-Flac

Grand Bassin temples

Le Caudan waterfront

Port Louis market

4. Overall which attracted you most to Mauritius?

Physical landscape attractions

Human landscape attractions

Thank you for your time.

**Table 8.2 for Question 8****Answers to Questions 2 and 3 of the tourist questionnaire**

<b>Q2 Physical landscape attractions</b>	<b>Number of visits</b>
Black River Gorges National Park	30
Casela Bird Park	<b>34</b>
Chamarel coloured earths	67
Grand Baie beach	49
Ile aux Cerfs	51
National Botanical Garden	38
Rochester Falls	21
Total	290

<b>Q3 Human landscape attractions</b>	<b>Number of visits</b>
Cap Malheureux church	22
Chamarel distillery	12
Fort Adelaide	25
Flic-en-Flac	28
Grand Bassin temples	<b>45</b>
Le Caudan waterfront	39
Port Louis market	33
Total	204

**Fig. 8.5 for Question 8****Resident questionnaire**

We are doing a tourism survey as part of our Geography fieldwork. Please answer the following questions.

**1. Do you live in Mauritius?**

Yes

No (Finish interview if 'No')

**2. Which are the three main benefits of tourism in Mauritius?**

Number your first, second and third choices '1', '2' and '3'.

- |                          |                      |                          |                             |
|--------------------------|----------------------|--------------------------|-----------------------------|
| <input type="checkbox"/> | More jobs and income | <input type="checkbox"/> | Improved standard of living |
| <input type="checkbox"/> | More modern services | <input type="checkbox"/> | Cleaner environment         |
| <input type="checkbox"/> | Improved transport   | <input type="checkbox"/> | More global awareness       |
| <input type="checkbox"/> | Reduction in crime   | <input type="checkbox"/> | More goods in shops         |

**3. Which are the three main disadvantages of tourism in Mauritius?**

Number your first, second and third choices '1', '2' and '3'.

- |                          |                                |                          |                                    |
|--------------------------|--------------------------------|--------------------------|------------------------------------|
| <input type="checkbox"/> | Noise pollution                | <input type="checkbox"/> | Air pollution                      |
| <input type="checkbox"/> | Traffic congestion             | <input type="checkbox"/> | More crime                         |
| <input type="checkbox"/> | Decline of traditional culture | <input type="checkbox"/> | Destruction of natural environment |
| <input type="checkbox"/> | More litter                    | <input type="checkbox"/> | Increase in cost of living         |

**4. Overall which do you think are greater in Mauritius?**

- |                          |                          |
|--------------------------|--------------------------|
| <input type="checkbox"/> | Benefits of tourism      |
| <input type="checkbox"/> | Disadvantages of tourism |

Thank you for your time.

**Table 8.3 for Question 8****Results of resident questionnaire**

<b>Question 2: Main benefits of tourism</b>	<b>First choice</b>	<b>Second choice</b>	<b>Third choice</b>	<b>Total index score</b>
More jobs and income	39	25	11	178
Improved standard of living	15	20	28	113
More modern services	4	10	13	45
Cleaner environment	5	2	3	22
Improved transport	12	10	14	<b>70</b>
More global awareness	3	19	11	58
Reduction in crime	10	9	7	55
More goods in shops	12	5	13	59

<b>Question 3: Main disadvantages of tourism</b>	<b>First choice</b>	<b>Second choice</b>	<b>Third choice</b>	<b>Total index score</b>
Noise pollution	7	12	10	55
Air pollution	26	16	12	<b>122</b>
Traffic congestion	27	23	18	145
More crime	5	7	8	37
Decline of traditional culture	11	8	16	65
Destruction of natural environment	5	12	15	54
More litter	7	14	12	61
Increase in cost of living	12	8	9	61

<b>Question 4: Overall effect of tourism</b>	<b>Answers</b>
Benefits	87
Disadvantages	13





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