

### UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

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**GEOGRAPHY** 0460/42

Paper 4 Alternative to Coursework

May/June 2011

**INSERT** 

1 hour 30 minutes

### **READ THESE INSTRUCTIONS FIRST**

This Insert contains Figs 1 and 2, Photograph A and Table 1 for Question 1, and Fig. 4 and Table 2 for Question 2.

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

International Examinations

### Fig. 1 for Question 1

### The three investigation areas

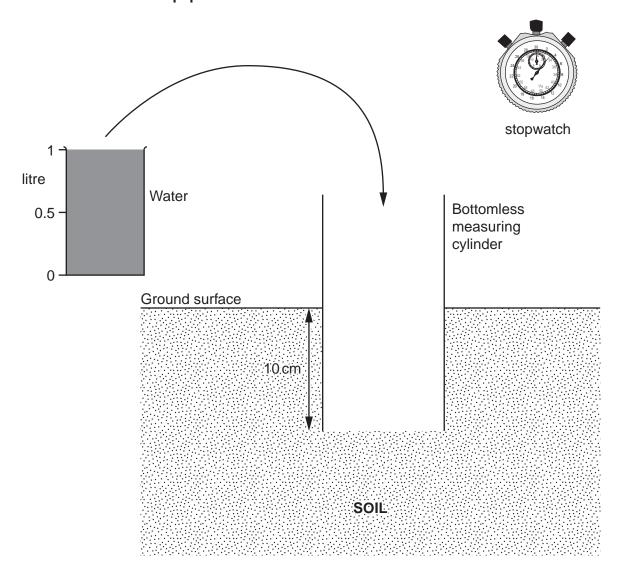
**Area A** was near a stream and had a road and a footpath leading to it so it was visited by more people than areas B and C. The area contained picnic tables, a car park and public toilets.

**Area B** had been deforested for a coffee plantation, but trees were later replanted in some of the area. The rest had been left without trees. A dirt road went through the area.

**Area C** was an area of natural rainforest which was more inaccessible than areas A and B because there was no path or road leading to it.

Fig. 2 for Question 1

Equipment used to measure infiltration time



Photograph A for Question 1

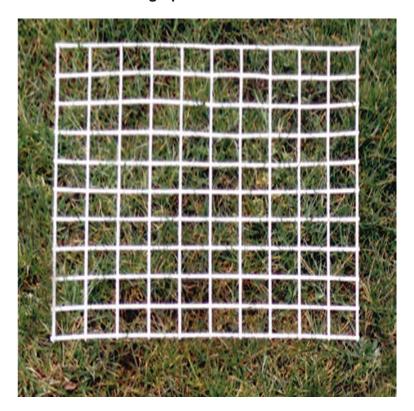


Table 1 for Question 1

### Results of investigation

Area A	Site 1	Site 2	Site 3	Site 4	Site 5	Average
Infiltration time (seconds)	36	40	58	50	44	45.6
Number of vegetation types	2	1	2	3	3	
Percentage of vegetation cover	36	20	8	38	19	24.2
Percentage of bare ground	64	80	92	62	81	75.8
Area B	Site 1	Site 2	Site 3	Site 4	Site 5	
Infiltration time (seconds)	25	35	21	48	52	
Number of vegetation types	4	2	3	1	1	
Percentage of vegetation cover	65	48	70	28	12	44.6
Percentage of bare ground	35	52	30	72	88	55.4
Area C	Site 1	Site 2	Site 3	Site 4	Site 5	
Infiltration time (seconds)	20	30	25	20	28	24.6
Number of vegetation types	4	3	5	3	3	
Percentage of vegetation cover	72	68	80	57	65	68.4
Percentage of hare ground	28	32	20	43	35	31.6

### Fig. 4 for Question 2

### Sphere of Influence questionnaire

I am doing a survey as part of my Geography coursework. Please will you answer the following questions?

1. How far have you travelled to get to the shops today?

2. How did you travel to the shops today?

Thank you

Table 2 for Question 2

# Results of Question 1 in Questionnaire How far have you travelled to get to the shops today?

### ЗВD

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 distance (km)	363/30 = <b>12.1</b>		
30	7		
29	~		
28	0		
27	~		
26	0		
25	0		
24	0 2 0 0 0 0		
23	0		
22	0		
21	7		
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18	0		
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41	<del>-</del>		
13	0		
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10	0		
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8	4		
7	~		
9	က		
5 6	~		
4	7		
8	~		
2	_		
~	7		
0.5	0		
Distance travelled 0.5 (km)	Number of shoppers		

### secondary Shopping Centre

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 distance (km)	82/30 = <b>2.7</b>		
30	0		
29			
28	0		
27	0		
26	0		
25	0		
24	0		
23	0		
22	0		
21	0		
20	0		
19	0		
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∞	0		
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9	~		
2	_		
4	7		
n	9		
7	8 10 6 2		
~	80		
0.5	0		
Distance travelled (km)	Number of shoppers		

## leighbourhood (Suburban) Shopping Centre

Average 30 distance (km)			
30	0		
29	0		
28	0		
27	0		
26	0		
25	0		
24	0		
23			
22	0		
21	0		
20	0		
19	0		
18	0		
17	0		
16	0		
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	0		
41	0		
13	0		
12	0		
7	0		
10	0		
6	0		
8	0		
7	0 0 0		
9	0		
5	_		
2 3 4	2		
က	2		
2	4		
_	17		
0.5 1	4		
Distance travelled (km)	Number of shoppers		

	aCanne
Average 30 distance (km)	1
30	0
29	0
24 25 26 27 28	0
27	0
26	0
25	0
24	0
23	0
22	0
21	0
20	0
19	0
12 13 14 15 16 17 18 19 20 21 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
17	0
16	0
15	0
41	0
13	0
12	0
7	0
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7	0
9	0
2	-

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