UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

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.

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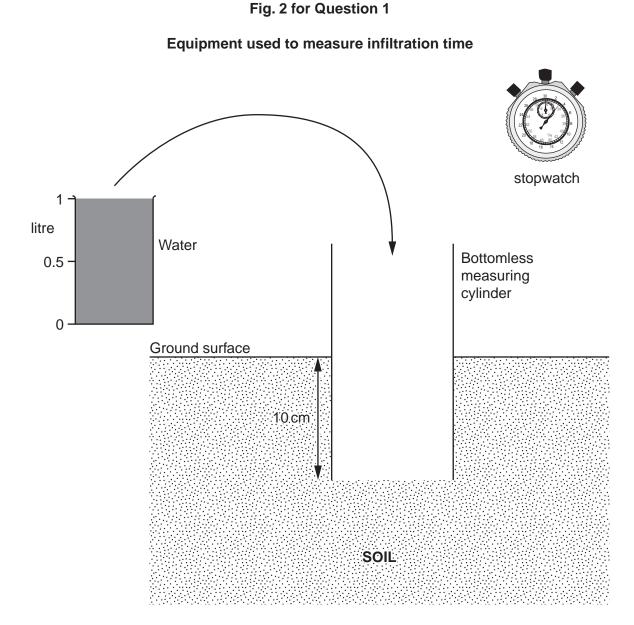
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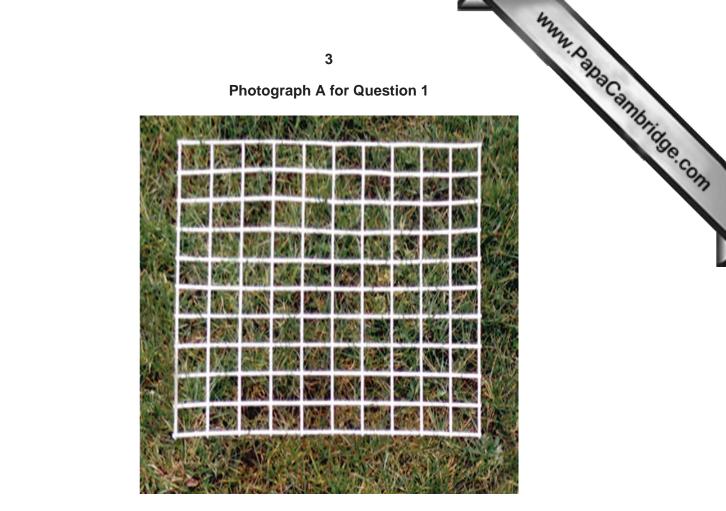**[Turn over**

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

stopwatch

1
litre
0.5
Water
0
Ground surface
Bottomless measuring cylinder
10 cm
SOIL

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 bare 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?

CBD

Distance travelled (km)	0.5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Average distance (km)
Number of shoppers	0	2	1	1	2	1	3	1	4	1	0	1	1	0	1	2	1	1	0	1	0	2	0	0	0	0	0	1	0	1	2	363/30 = **12.1**

Secondary Shopping Centre

Distance travelled (km)	0.5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Average distance (km)
Number of shoppers	0	8	10	6	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82/30 = **2.7**

Neighbourhood (Suburban) Shopping Centre

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

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