

0460/42

Paper 4 Alternative to Coursework

May/June 2017

INSERT

1 hour 30 minutes

READ THESE INSTRUCTIONS FIRST

This Insert contains Photographs A and B and Table 1 for Question 1, and Figs. 5 and 7 and Tables 4 and 5 for Question 2.

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



The syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

This document consists of **6** printed pages and **2** blank pages.

Photograph A for Question 1



Photograph B for Question 1



Table 1 for Question 1

Results of the students' fieldwork

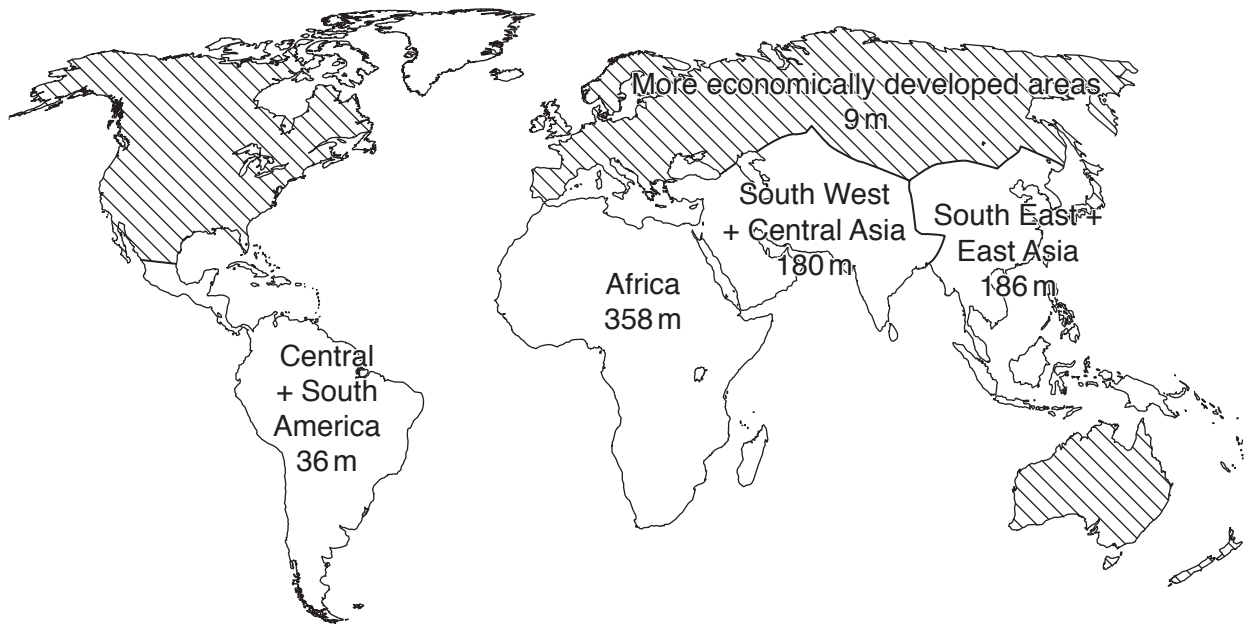
Area with no visitor access

Distance from high water mark (m)	Vegetation cover (%)	Number of different plant species
0	0	0
10	70	2
20	65	3
30	85	5
40	95	5
50	80	4
60	75	3
70	80	6
80	90	6
90	75	6
100	90	6

Area open to visitors

Distance from high water mark (m)	Vegetation cover (%)	Number of different plant species
0	0	0
10	50	1
20	40	1
30	65	3
40	65	3
50	85	4
60	70	3
70	40	2
80	65	3
90	40	1
100	85	4

Fig. 5 for Question 2

World distribution of people with no access to clean water**Key**

36m millions of people who do not have access to clean water



more economically developed areas

Fig. 7 for Question 2

Resident questionnaire

I am a researcher for a charity which tries to improve water supplies in villages. Please answer the following questions to provide information to the charity.

1. How many hours per week does the family spend collecting water?

.....

2. How far do you have to go to collect water?

..... metres

3. How much water do you use per day in the household?

..... litres

4. Which of the following sources do you use for getting water?

☐

Piped through a tap

☐

Hand-operated pump

☐

Well

☐

Rainwater tank

☐

River

☐

Pond

Thank you for your help.

Table 4 for Question 2**Results of questions 1, 2 and 3 in the questionnaire**

Village	Average time spent collecting water (hours per week)	Average distance travelled to collect water (m)	Average amount of water used per family (litres per day)
Anganwa	14	120	316
Bacharna	22	950	286
Kalijal	19	1460	215
Lolawas	15	217	257
Modijoshiyan	17	283	343
Soorpara	18	136	311

Table 5 for Question 2**Percentage of families using different sources of water**

Village	Sources of water					
	Piped through a tap	Hand-operated pump	Well	Rainwater tank	River	Pond
Anganwa		100				
Bacharna			100	13	40	
Kalijal			47	65		94
Lolawas		20	27	86		20
Modijoshiyan		53		100		7
Soorpara	29	41	30			

Note: In some villages families used more than one source of water

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