

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

GEOGRAPHY

Paper 4 Alternative to Coursework INSERT

0460/41 May/June 2011

1 hour 30 minutes

READ THESE INSTRUCTIONS FIRST

This Insert contains Figs 1 and 2 for Question 1 and Figs 4 and 6 and Tables 3 and 4 for Question 2.

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

This document consists of 7 printed pages and 1 blank page.



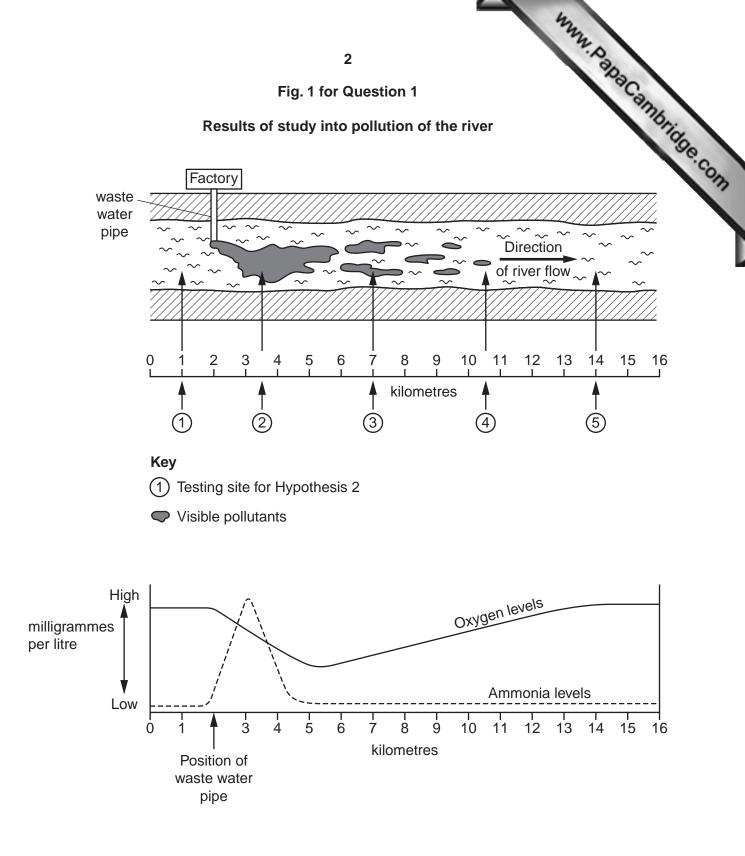


Fig. 2 for Question 1

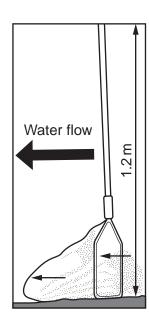
Pollution investigation using indicator species

www.papaCambridge.com Many animals which live on the river bed cannot survive if the water quality is poor. When certain animal species are found in the river this tells you about the quality of the water. These are called indicator species which are shown on the Biotic Index.

To find these animal species the river bed should be gently disturbed for 30 seconds by gentle kicking to dislodge the stones (this is called kick-sampling). Catch the animals which are washed into a net and then empty the net into a tray to count and identify the species. Put the animals back in the river after identifying them. Do the test at least three times at each investigation site.

Use the Biotic Index to compare the level of pollution at different sites.





Kick-sampling net

Biotic Index

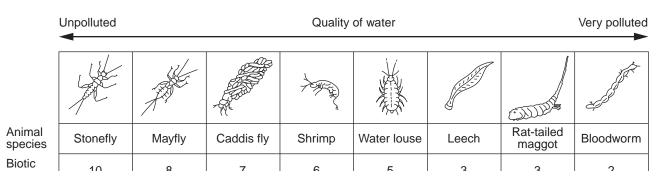
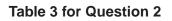


	Fig. 4	for Question 2		ac.
	Touris	st questionnaire		www.papacambridge
e are doing a tourism survey o e following questions?	as part of	our Geography o	coursework. Pleas	se will you answer
Which continent do you come	e from?			
Asia		frica		Europe
Oceania		Jorth America		South America
What are the main physical	attractio	ns vou are visitir	a whilst in Chiana	a Mai?
Mae Klang waterfall			Doi Inthanon M	-
Fang Hot Springs			Botanical Garde	ens
Elephant camp			Orchid and But	terfly farms
Ob Luang Gorge				
What are the main human at	tractions	you are visiting	whilst in Chiang A	Nai?
Hill tribe villages			National museu	m
Shopping at the night	bazaar		Buddhist temples	
Bhubing Palace			Muang Kung Ea	rthenware village
Royal pagodas				
Overall which attracted you	most to (hiana Mai2		
Physical attractions			Human attracti	ons
				CIID



Answers to Questions 2, 3 and 4 of tourist questionnaire

_	estion 2 of tourist questionnaire Number of visits made 35
5	
Table 3 for Que	estion 2
Answers to Questions 2, 3 and 4	of tourist questionnaire
Q2 Physical attractions	Number of visits made
Mae Klang waterfall	35
Doi Inthanon Mountain	48
Fang Hot Springs	17
Botanical Gardens	12
Elephant camp	34
Orchid and Butterfly farms	6
Ob Luang Gorge	18
Total	170
	1
Q3 Human attractions	Number of visits made
Hill tribe villages	23
National museum	10
Shopping at the night bazaar	45
Buddhist temples	37
Bhubing Palace	6
Muang Kung Earthenware village	11
Royal pagodas	8
Total	140
Q4 Overall opinion	Number of tourists
Physical attractions	38
Human attractions	32

	uestion 2 uestionnaire				
6	2.02				
Fig. 6 for Question 2					
Local people questionnaire					
	Se.co.				
We are doing a tourism survey as part of our Ge the following questions?	eography coursework. Please will you answer				
1. Do you live in Chiang Mai?					
Yes					
No	(Finish interview if 'No')				
2. What do you think are the main positive impa Number your first and second choices '1' and					
More jobs and income	Improved standard of living				
More modern services	Cleaner environment				
Improved infrastructure e.g. airport,	roads				
Reduction in crime	Greater range of goods in shops				
Local people have greater global awar	reness				
3. What do you think are the main negative impo Number your first and second choices '1' and					
Noise pollution	Air pollution				
Traffic congestion	Increase in crime				
Decline of traditional culture and way	/ of life				
Increase in litter	Increase in cost of living				
Destruction of natural environment for	or hotels, shops etc.				
4. Overall do you think tourism has a positive or	r negative impact in Chiang Mai?				
Positive					
Negative					
Thank you for your time.					

Table 4 for Question 2

Answers to Questions 2, 3 and 4 of local people questionnaire

7 Table 4 for Question 2 Answers to Questions 2, 3 and 4 of local people questionnaire Q2 Positive impacts of tourism First choice Second choice Total score using form					
Q2 Positive impacts of tourism	First choice	Second choice	Total score using form		
More jobs and income	27	15	69		
Improved standard of living	7	12	26		
More modern services	2	6	10		
Cleaner environment	3	1	7		
Improved infrastructure	8	6	22		
Reduction in crime	1	12	14		
Greater range of goods in shops	6	6	18		
Local people have greater global awareness	7	3	17		
Total	61	61			

Q3 Negative impacts of tourism	First choice	Second choice	Total score using formula
Noise pollution	4	7	15
Air pollution	16	10	
Traffic congestion	17	14	48
Increase in crime	3	4	10
Decline of traditional culture and way of life	7	5	19
Increase in litter	3	7	13
Increase in cost of living	4	9	17
Destruction of natural environment	7	5	19
Total	61	61	

Q4 Overall impact of tourism	Answers
Positive	53
Negative	8



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