

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS General Certificate of Education Ordinary Level

Origin Com

GEOGRAPHY 2217/21
Paper 2 May/June 2011

INSERT

2 hours 15 minutes

READ THESE INSTRUCTIONS FIRST

This Insert contains Photograph A for Question 3, Figs 11 and 12 for Question 7, and Figs 14 and 16 and Tables 5 and 6 for Question 8.

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

International Examinations

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Photograph A for Question 3

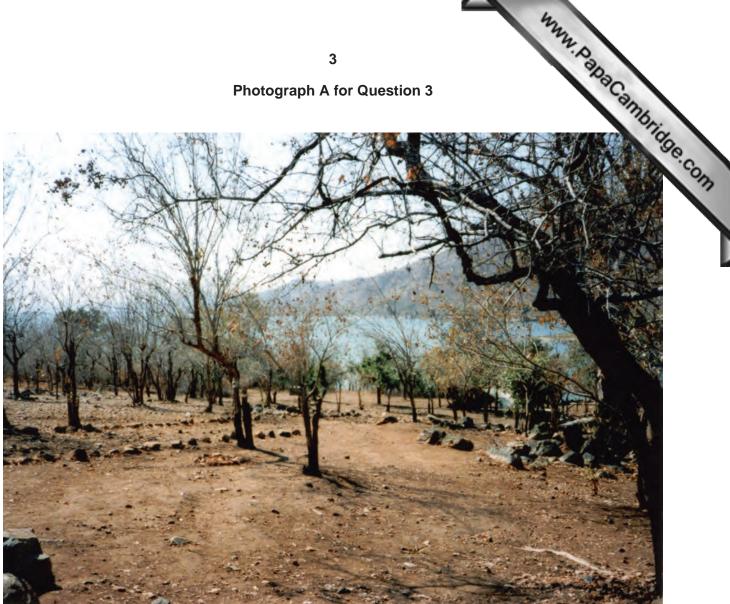
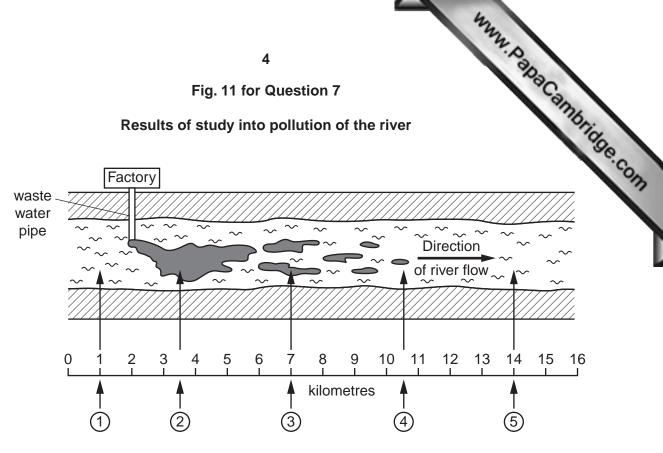
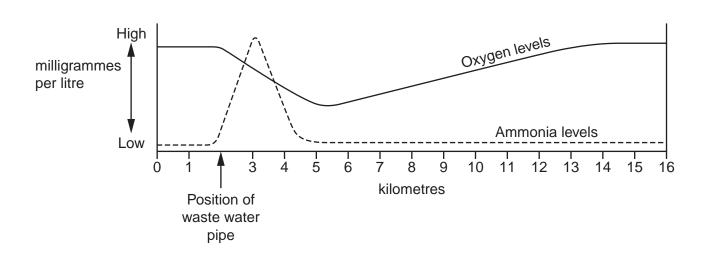


Fig. 11 for Question 7 Results of study into pollution of the river



Key

- 1 Testing site for Hypothesis 2
- Visible pollutants



animal species are found in the river this tells you about the quality of the water. These are called

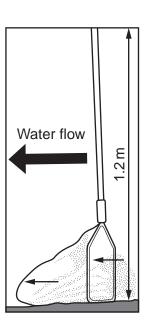
www.papaCambridge.com Many animals which live on the river bed cannot survive if the water quality is poor. When certain

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.

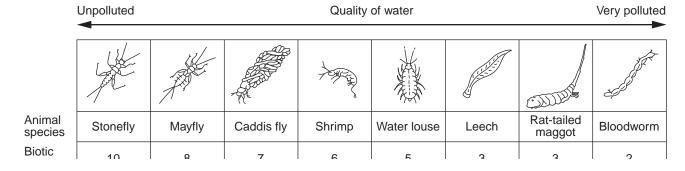
indicator species which are shown on the Biotic Index.





Kick-sampling net

Biotic Index



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Fig. 14 for Question 8

Tourist questionnaire

We are doing a tourism survey as part of our Geography coursework. Please will you answer the following questions? 1. Which continent do you come from? Africa Asia Europe Oceania North America South America 2. What are the main physical attractions you are visiting whilst in Chiang Mai? Mae Klang waterfall Doi Inthanon Mountain Fang Hot Springs Botanical Gardens Elephant camp Orchid and Butterfly farms Ob Luang Gorge 3. What are the main human attractions you are visiting whilst in Chiang Mai? Hill tribe villages National museum Shopping at the night bazaar Buddhist temples Bhubing Palace Muang Kung Earthenware village Royal pagodas 4. Overall which attracted you most to Chiang Mai? Human attractions Physical attractions Thank you for your time.

Table 5 for Question 8

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
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

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Fig. 16 for Question 8

Local people questionnaire

We are doing a tourism survey as part of our Geography coursework. Please will you answer the following questions? 1. Do you live in Chiang Mai? Yes No (Finish interview if 'No') 2. What do you think are the main positive impacts of tourism in Chiang Mai? Number your first and second choices '1' and '2'. 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 awareness 3. What do you think are the main negative impacts of tourism in Chiang Mai? Number your first and second choices '1' and '2'. Noise pollution Air pollution Increase in crime Traffic congestion Decline of traditional culture and way of life Increase in litter Increase in cost of living Destruction of natural environment for hotels, shops etc. 4. Overall do you think tourism has a positive or negative impact in Chiang Mai?

Thank you for your time.

Positive

Negative

Table 6 for Question 8

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

Table 6 for Question 8 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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