

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

DEVELOPMENT STUDIES

0453/04

Paper 4 Alternative to Coursework

October/November 2005

Additional Materials: Answer Booklet/Paper

1 hour 30 minutes

READ THESE INSTRUCTIONS FIRST

If you have been given an Answer Booklet, follow the instructions on the front cover of the Booklet.
Write your Centre number, candidate number and name on all the work you hand in.
Write in dark blue or black pen on both sides of the paper.
You may use a soft pencil for any diagrams, graphs or rough working.
Do not use staples, paper clips, highlighters, glue or correction fluid.

Answer **all** questions.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [] at the end of each question or part question.

- 1 (a) Study Fig. 1 which shows an area in a developing country.

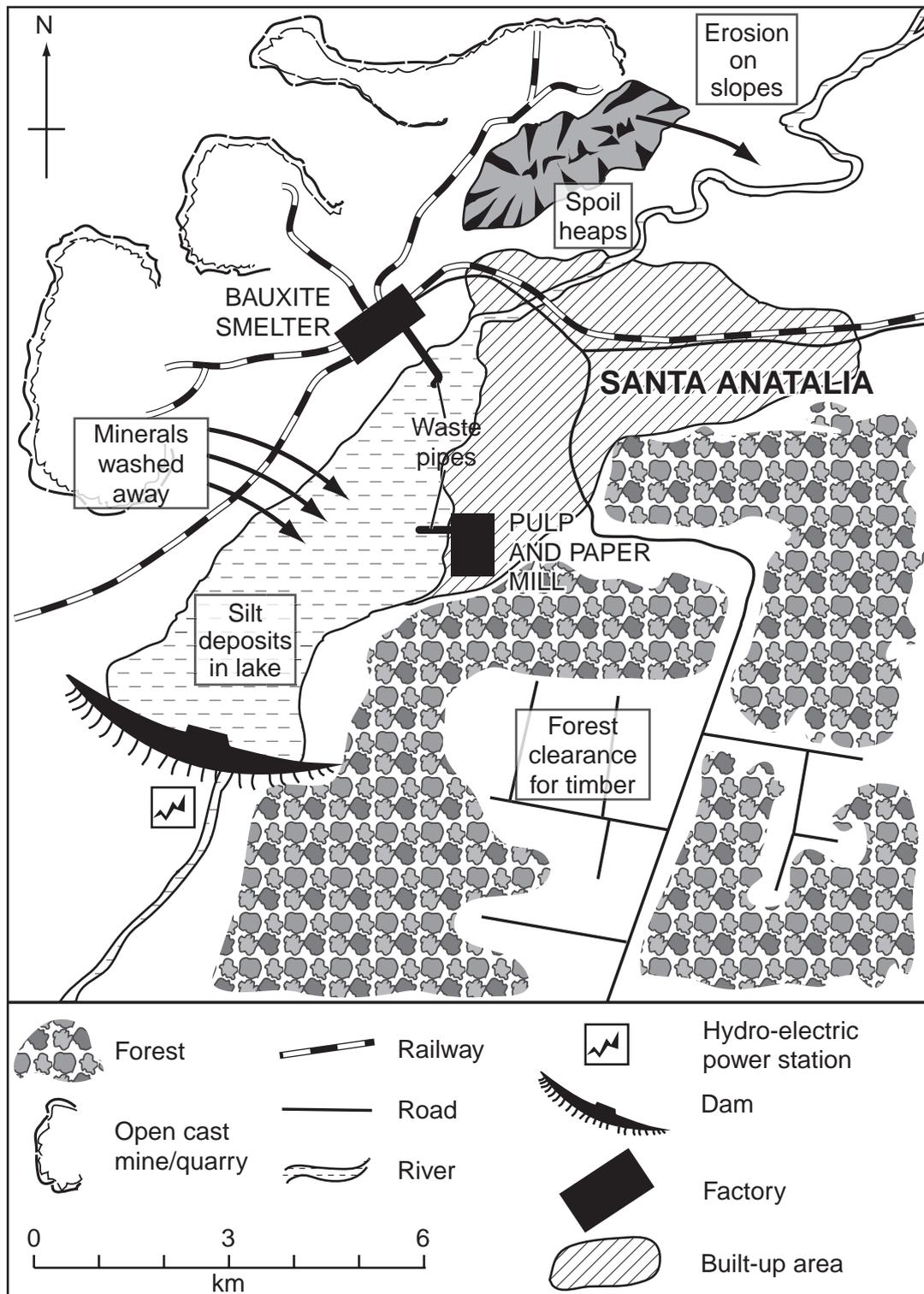


Fig. 1 Impacts of economic development in an area.

- (i) Give **two** examples of economic development which have taken place in the area shown in Fig. 1.
- (ii) Describe **three** ways in which development has affected the **natural** environment in the area.

(b) Study Figs 2 and 3.

A researcher wanted to find out if local people were worried about the impacts of industry in Santa Anatalia. He picked a random sample of 50 people and gave them a questionnaire to fill in. He asked people to tick the boxes on the questionnaire sheet and give a score from 0 to 5 for each impact.

Fig. 2

Tick your answers

How old are you? Under 16
 16 to 25
 25 to 40
 40 to 60
 over 60

What is your gender? Male Female

In which of the following ways do you think industry causes problems in Santa Anatalia?

For each problem which you tick give a score using a scale of 1 to 5 (1 = Low level of concern 5 = High level of concern)

Problem	Is it a problem? (✓ or X)	Level of concern (1 to 5)
Air pollution
Noise
Dangerous traffic
Looks ugly
Trees are chopped down
Other problems (please state)		
.....
.....

Fig. 3 Copy of questionnaire used

- (i) Use your own words to explain why the survey was carried out. [1]
- (ii) The fifty people who were selected in the survey were chosen using a random sample. Describe how this sample could have been selected from the town's population. [2]
- (iii) The researcher wanted to find out how worried people were about each impact of industry. Use your own words to explain how he did this. [2]
- (iv) Do you think the questionnaire was well designed? Give reasons for your answer. [3]
- (v) Suggest reasons why some people in Santa Anatalia will be more worried than others about the impacts of industry in the town. [3]

- 2 Study Fig. 4 which shows three students who are planning research enquiries on pollution in the environment in the area shown by Fig. 1.

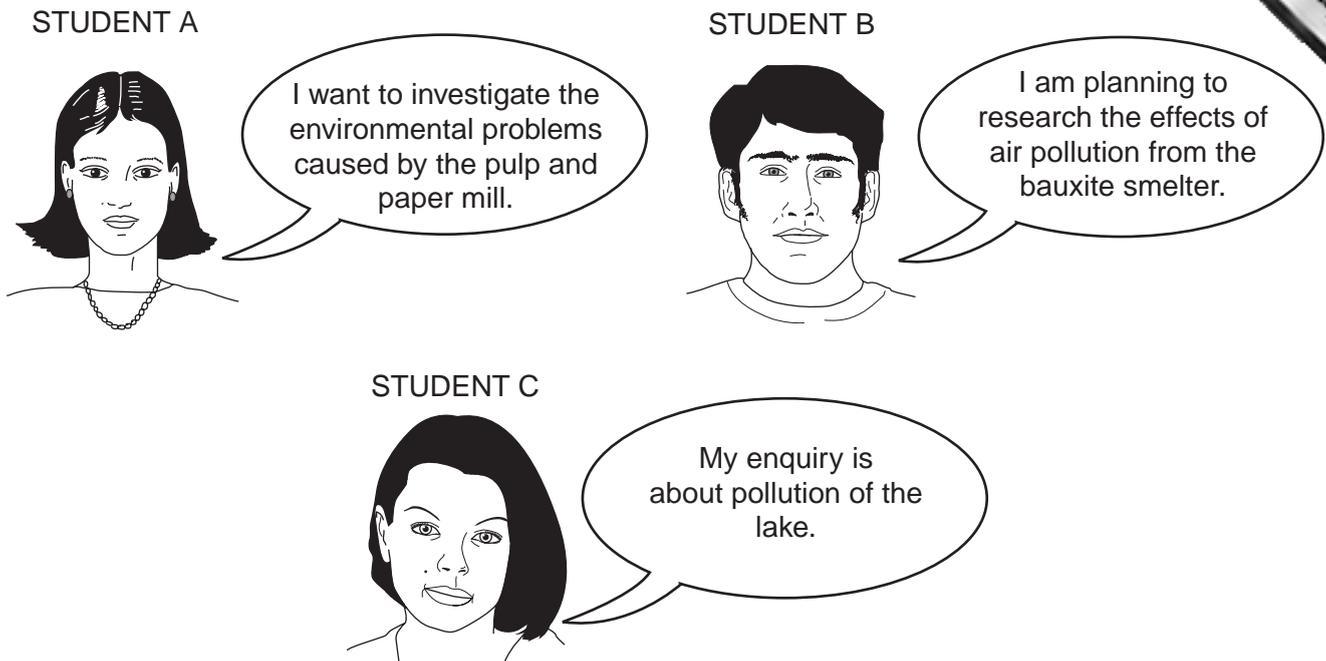
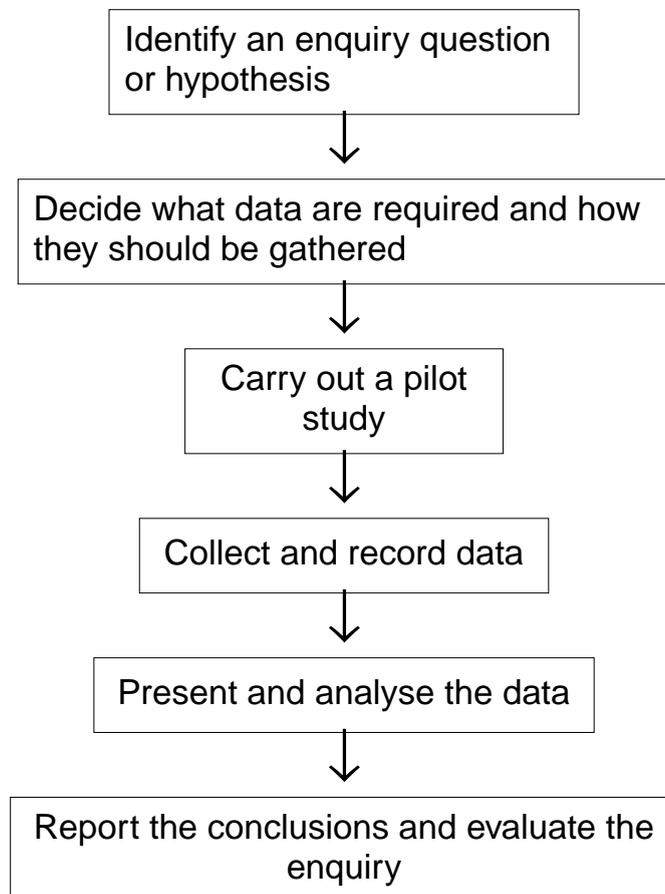


Fig. 4

- (a) The sequence of enquiry shown below is a useful way to organize research.



Choose one of the students A, B or C from Fig. 4, and write down the letter of the student you have chosen. Describe how the research enquiry could be carried out. Use the ideas in the section on carrying out a research enquiry to organize your answer.

- (b) Describe and explain any difficulties which you think the student you have chosen might have in carrying out this enquiry. [4]
- (c) Describe what you think should be done to reduce pollution of the environment in the area shown in Fig. 1. [5]

