

Candidate Forename						Candidate Surname					
Centre Number						Candidate Number					

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
ADVANCED SUBSIDIARY GCE**

2682/01

GEOGRAPHY

Geographical Investigation

TUESDAY 19 MAY 2009: Afternoon

DURATION: 45 minutes

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the question paper

OCR SUPPLIED MATERIALS:

None

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes on the first page.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer ALL the questions.
- Write your answer to each question in the space provided, however additional paper may be used if necessary.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- You will be awarded marks for the quality of written communication where an answer requires a piece of extended writing.
- Even where not specifically asked for, credit will be given for sketch maps and diagrams, provided they illustrate your answer.
- The total number of marks for this paper is 60.

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Answer ALL questions.

State the title of your Geographical Investigation below:

- 1 (a) Identify and justify the factors taken into account when choosing the sample size for your investigation.**

[illegible]

[10]

[illegible]

[10]

[Total: 20]

2 Study Fig. 1 which shows the strategy developed by a group of 12 students investigating factors affecting rural migration.

Sampling	Systematic sampling. 10 villages varying in size from 300 to 3000 people. Villages located up to 40 miles from a town with a population of 120 000 people. Villages situated on a mixture of A and B roads.
Dates, times and types of data collection	7 students working in 5 villages: Wednesday 5th November 2008 (evening) Door-to-door survey
	5 students working in 5 villages: Friday 7th November 2008 (09:00 – 15:00) On-street survey at village shops and centre of village
Planned sample size	400. Same number in each village.
Risk assessment	Being knocked over by cars Mugging
Additional information to collect	Village services Environmental attractiveness of villages (rating 1 to 5) Village population

Fig. 1 Strategy for Data Collection

[illegible]

[illegible]

[20]

[Total: 20]

- 3 (a) Study Fig. 2 which shows data for two different locations that are being compared in a geographical investigation.

<u>TIME</u>	<u>LOCATION A</u>		<u>LOCATION B</u>	
	Temperature (°C)	Wind speed (km/h)	Temperature (°C)	Wind speed (km/h)
00:00	6	8	3	18
04:00	7	7	3	30
08:00	8	7	7	42
12:00	12	10	15	60
16:00	10	11	12	55
20:00	8	9	6	43
24:00	4	5	4	40

Fig. 2 Temperature and wind speed at two locations

Describe and justify an appropriate way of comparing the data for the two locations using ONE of the following methods of representation: scattergraph, line graph or bar chart.

You may use a sketch diagram if you wish.

[illegible]

[10]

- (b) State a question for investigation or a hypothesis that would benefit from being analysed by a test of difference between samples. Describe how you could interpret the outcome and significance of this test.**

Test of difference between samples:

[illegible]

[10]

[Total: 20]

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