

Surname		Other Names	
Centre Number		Candidate Number	
Candidate Signature			

For Examiner's Use

General Certificate of Education
January 2007
Advanced Level Examination



**GEOGRAPHY (SPECIFICATION A)
Unit 7 Fieldwork Investigation**

GGA7

Thursday 1 February 2007 1.30 pm to 3.30 pm

<p>For this paper you must have:</p> <ul style="list-style-type: none"> • pre-release material (previously despatched) • a calculator.

Time allowed: 2 hours

Instructions

- Use blue or black ink or ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions in the spaces provided.
- Do all rough work in this book. Cross through any work you do not want to be marked.
- Figures and page numbers pre-fixed **P** are to be found in the pre-release book.

Information

- The maximum mark for this paper is 100.
- The marks for questions are shown in brackets.
- You will be marked on your ability to use an appropriate form and style of writing, to organise relevant information clearly and coherently, and to use specialist vocabulary where appropriate. The legibility of your handwriting and the accuracy of your spelling, punctuation and grammar will also be considered.

Advice

Where appropriate, credit will be given for the use of diagrams to illustrate answers and where reference is made to your personal investigative work. You are advised to allocate your time carefully.

For Examiner's Use			
Question	Mark	Question	Mark
1		5	
2			
3			
4			
Total (Column 1)		→	
Total (Column 2)		→	
TOTAL			
Examiner's Initials			

Answer **all** questions in the spaces provided.

1 Aim

- (a) **With reference to your own experience of planning a fieldwork enquiry**, outline how **Figures P2** and **P3** might have provided the stimulus in formulating the aim and objectives for this enquiry.

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(4 marks)

- (b) In what way(s) does the situation of the study area, shown in **Figures P1a** and **P4**, make it an appropriate location for this enquiry?

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(2 marks)

2 Methods

- (a) **Figure P4** shows the distribution of the 18 study sites used in this enquiry. Outline the distribution of these and suggest what sampling strategy might have been used to determine their locations.

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(5 marks)

Question 2 continues on the next page

- (c) The methods used to collect data on building and environmental quality are described on pages **P19** and **P20**, whilst the results of the surveys are shown in **Figures P7b** and **P8**.

State which method you think is the better one and clearly justify the reasons for your decision.

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(5 marks)

16

Turn over for the next question

Turn over ►

3 Skills, Techniques and Interpretation

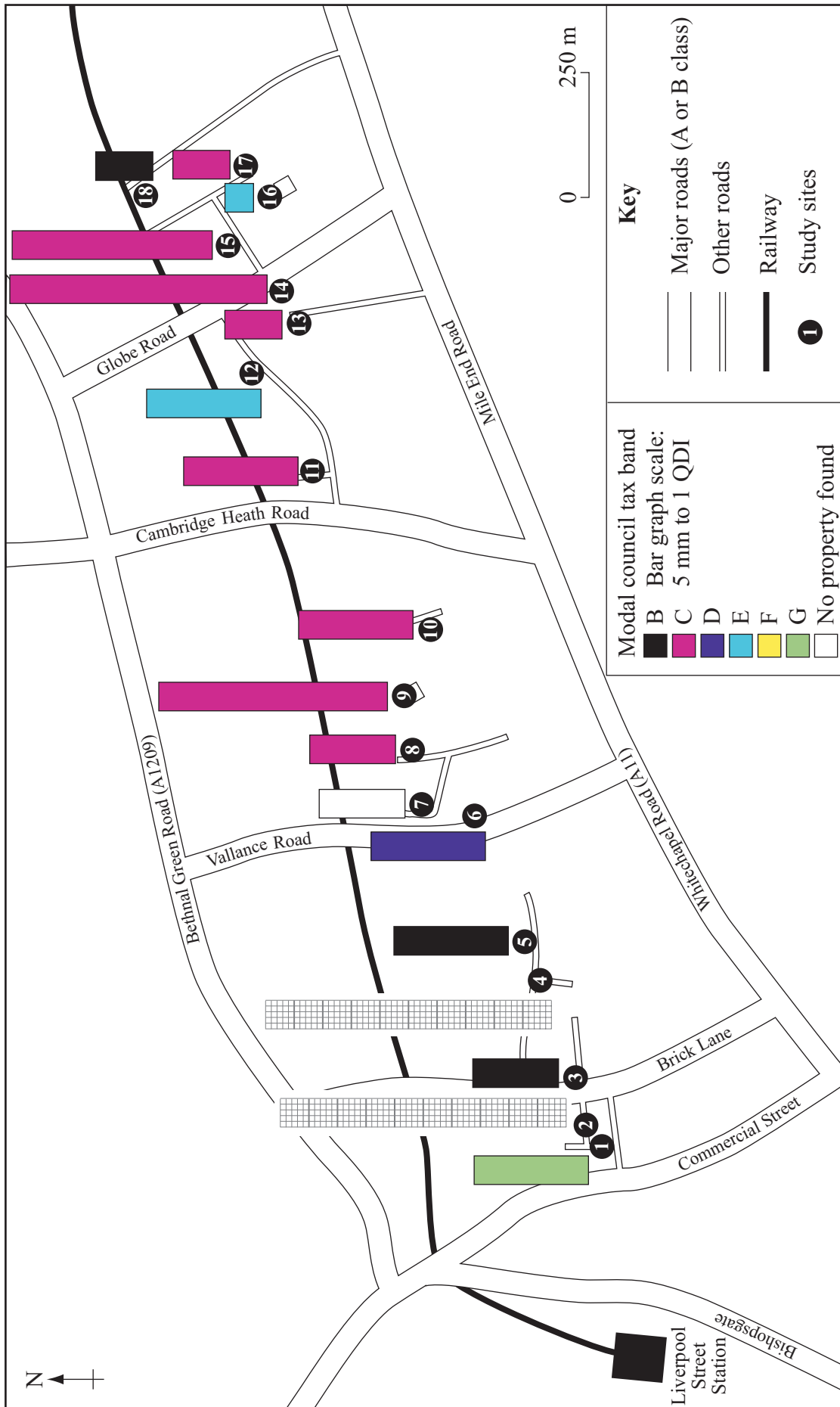
- (a) (i) Using **Photograph 16** on **Figure P5b**, label **Figure 1** to show the characteristics of the housing and evidence for the process of re-urbanisation.

Figure 1



(6 marks)

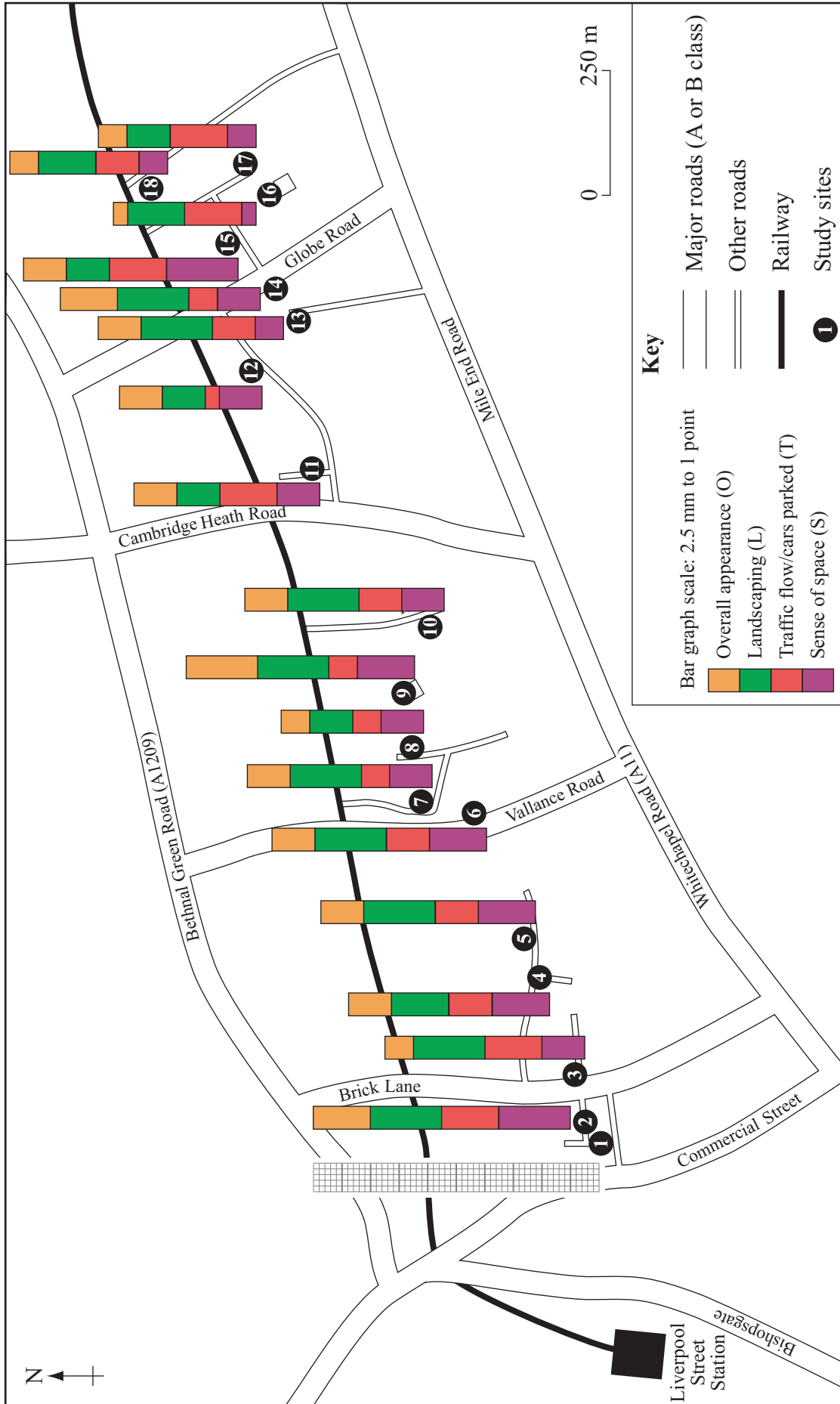
Figure 2



(4 marks)

Turn over ►

Figure 3



(4 marks)

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- (iii) The links between environmental and building quality can be investigated by applying Spearman's Rank Correlation (r_s) to the data. With specific reference to the aim of this enquiry, state your expected/alternative hypothesis.

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(2 marks)

- (iv) Complete **Figure 4** to calculate the value of r_s .

Figure 4

Study Site	QDI (X)	X Ranked	Environmental Quality (Y)	Y Ranked	d	d^2
1	4	10.5	16	16.5	-6	36
2	6	15	18	18		
3	3	6	14	10.5	-4.5	20.25
4	5	14	14	10.5	3.5	12.25
5	4	10.5	15	14	-3.5	12.25
6	4	10.5	15	14	-3.5	12.25
7	3	6	13	7	-1	1
8	3	6	10	2	4	16
9	8	17	16	16.5	0.5	0.25
10	4	10.5	14	10.5	0	0
11	4	10.5	13	7	3.5	12.25
12	4	10.5	10	2	8.5	72.25
13	2	3	13	7	-4	16
14	9	18	14	10.5	7.5	56.25
15	7	16	15	14	2	4
16	1	1	10	2	-1	1
17	2	3	11	4.5	-1.5	2.25
18	2	3	11	4.5	-1.5	2.25

$$\sum d^2 = 285.50$$

$$r_s = 1 - \left(\frac{6 \sum d^2}{n^3 - n} \right)$$

$$= 1 - \left(\frac{\quad}{\quad} \right)$$

$$= 1 - \left(\frac{\quad}{\quad} \right)$$

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(3 marks)

- (v) Using the table of critical values below, interpret the value of r_s that you have calculated.

	Significance level	
Sample size	0.05	0.01
18	0.399	0.564

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(3 marks)

Question 3 continues on the next page

Turn over ►

Reliability

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Improvements and Extension

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(13 marks)

13

END OF QUESTIONS

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Figure P3: 'Poverty and despair in Britain's lost generation', 13/12/2004, *The Independent*

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