Surname				Other	Names					
Centre Number				Candida	ite Number					
Candidate Signature		re								

For Examiner's Use

General Certificate of Education January 2007 Advanced Level Examination

ASSESSMENT and QUALIFICATIONS

GEOGRAPHY (SPECIFICATION A) Unit 7 Fieldwork Investigation

GGA7

Thursday 1 February 2007 1.30 pm to 3.30 pm

For this paper you must have:

- 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	Question Mark Question		Mark		
1		5			
2					
3					
4					
Total (Column 1)					
Total (Column 2)					
TOTAL					
Examiner	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.
		(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?
		(2 marks)

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2 Methods

(a)

Outline the distribution of these and suggest what sampling strategy might have been used to determine their locations.
(5 marks)

Question 2 continues on the next page

(b)	Information on Tower Hamlets (Figure P2), the value of housing (Figure P6a) and the socio-economic characteristics of the residents (Figure P9) was obtained from the internet.					
	Describe the advantages and disadvantages of obtaining data for this enquiry in this way.					
	(6 marks)					

(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.
	(5 marks)

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

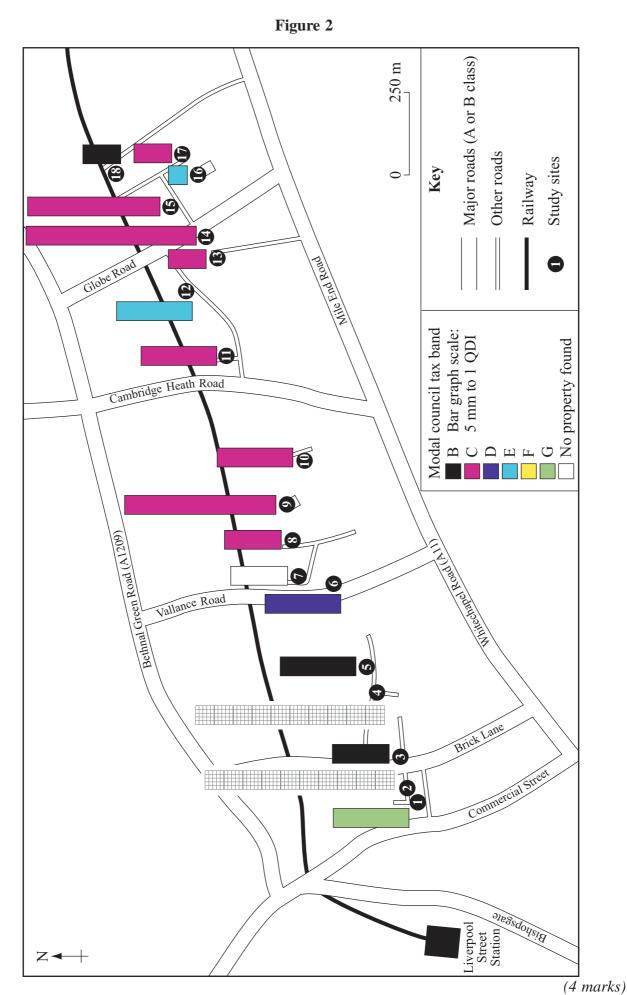


(6 marks)

(ii)	Using Figures P5a and P5b , assess the extent to which there is evidence of reurbanisation with reference to the type and quality of buildings (Objective 1).
	(8 marks)

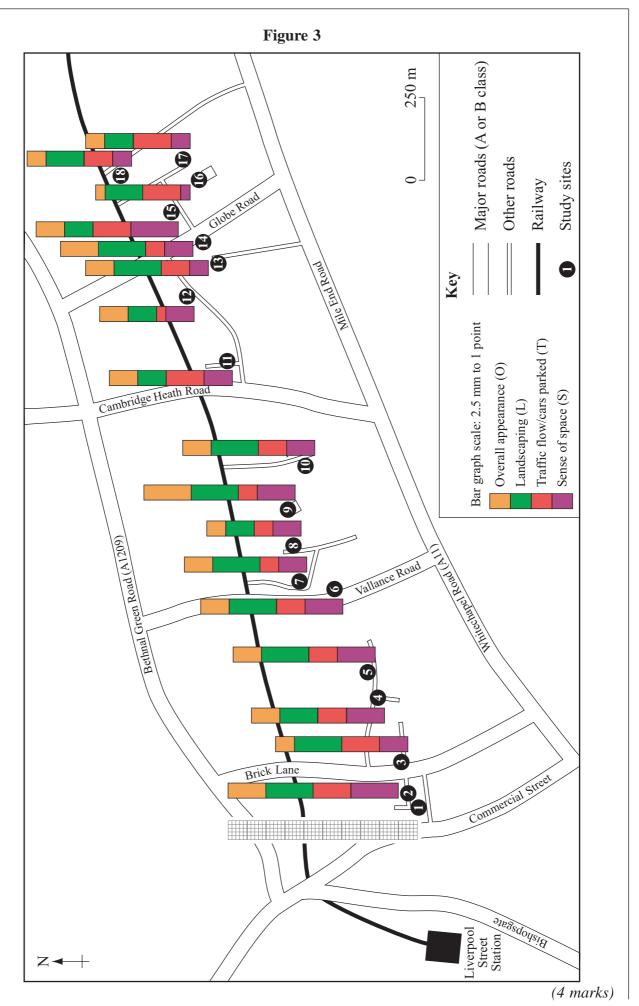
Question 3 continues on the next page

(b)	(i)	Figures P6a and P7b show the results of the council tax bands survey and the Quality/Decay Index (QDI). This information is partly presented on Figure 2 . Complete Figure 2 by adding the information for study sites 2 and 4, using the appropriate colour or letter codes.					
	(ii)	With specific reference to Objective 1, investigate the links between housing value and quality and suggest reasons for the strength of the link determined.					
		(8 marks)					



Turn over ▶

(c)	(i)	Figure P8 shows the results of the environmental survey. These are partly presented on Figure 3 . Complete Figure 3 , by adding the information for study site 1, using the appropriate colour or appropriate letter code.
	(ii)	To what extent does the evidence in Figure 3 suggest that the quality of the environment reflects that of an area experiencing re-urbanisation?
		(8 marks)



(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.
	(2 marks)

(iv) Complete Figure 4 to calculate the value of $r_{\rm s}$.

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

 $\sum d^2 = 285.50$

(3 marks)

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

$$= 1 - \left(\frac{1 - \left(\frac{1}{n^{3} - n}\right)}{n^{3} - n}\right)$$

$$= 1 - \left(\frac{1 - \left(\frac{1}{n^{3} - n}\right)}{n^{3} - n}\right)$$

$$= 1 - \left(\frac{1 - \left(\frac{1}{n^{3} - n}\right)}{n^{3} - n}\right)$$

$$= 1 - \left(\frac{1 - \left(\frac{1}{n^{3} - n}\right)}{n^{3} - n}\right)$$

(v) Using the table of critical values below, interpret the value of $r_{\rm s}$ that you have calculated.

	Significance level			
Sample size	0.05	0.01		
18	0.399	0.564		

 •••••
(3 marks)

Question 3 continues on the next page

)	Provide evidence for and against the suggestion that the socio-economic characteristics of the residents reflect those expected in an area experiencing re-urbanisation (Objective 3).
	(9 marks)

Write a summary of your findings for this enquiry, with specific reference to the aim and objectives given on page **P3**. Using your own experience of conducting an enquiry, you

4 Conclusion

should, in addition, consider the reliability of these findings and suggest how this enquiry could be improved and extended.		
Summary		
Question 4 continues on the next page		
Question 4 continues on the next page		

Reliability
Improvements and Extension
(10 marks)

5 Enquiry-Related Issues

Some of the amenities available in or near the study area are shown in **Figure P10**. The adequacy of service provision has not been investigated in this enquiry. Following the structure below, outline how you would investigate this additional aspect:

- use of a questionnaire include two questions worded as you would ask in the field;
- justify your questions with reference to this additional aspect;
- the practical problems of conducting a questionnaire in the study area;
- one other way of investigating the adequacy of the services;

• state one risk to your safety in conducting this aspect of the investigation and one way in which you would try to minimise the risk.

(13 marks)

END OF QUESTIONS

There are no questions printed on this page

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Figures P1b, P2 & P9: www.towerhamlets.gov.uk Crown copyright material is reproduced with the permission of the Controller of HMSO and the

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

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