



ADVANCED SUBSIDIARY (AS)  
General Certificate of Education  
2012

Centre Number

71

Candidate Number

## Geography

### Assessment Unit AS 2

*assessing*

Human Geography

[AG121]

TUESDAY 19 JUNE, MORNING



#### TIME

1 hour 30 minutes.

#### INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Section A: candidates must answer this section.

Section B: answer **all three** questions in this section.

Section C: answer **any two** questions from this section.

You should write your answers in the spaces provided in this question paper.

#### INFORMATION FOR CANDIDATES

The total mark for this paper is 90.

Quality of written communication will be assessed in **all** questions.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

#### For Examiner's use only

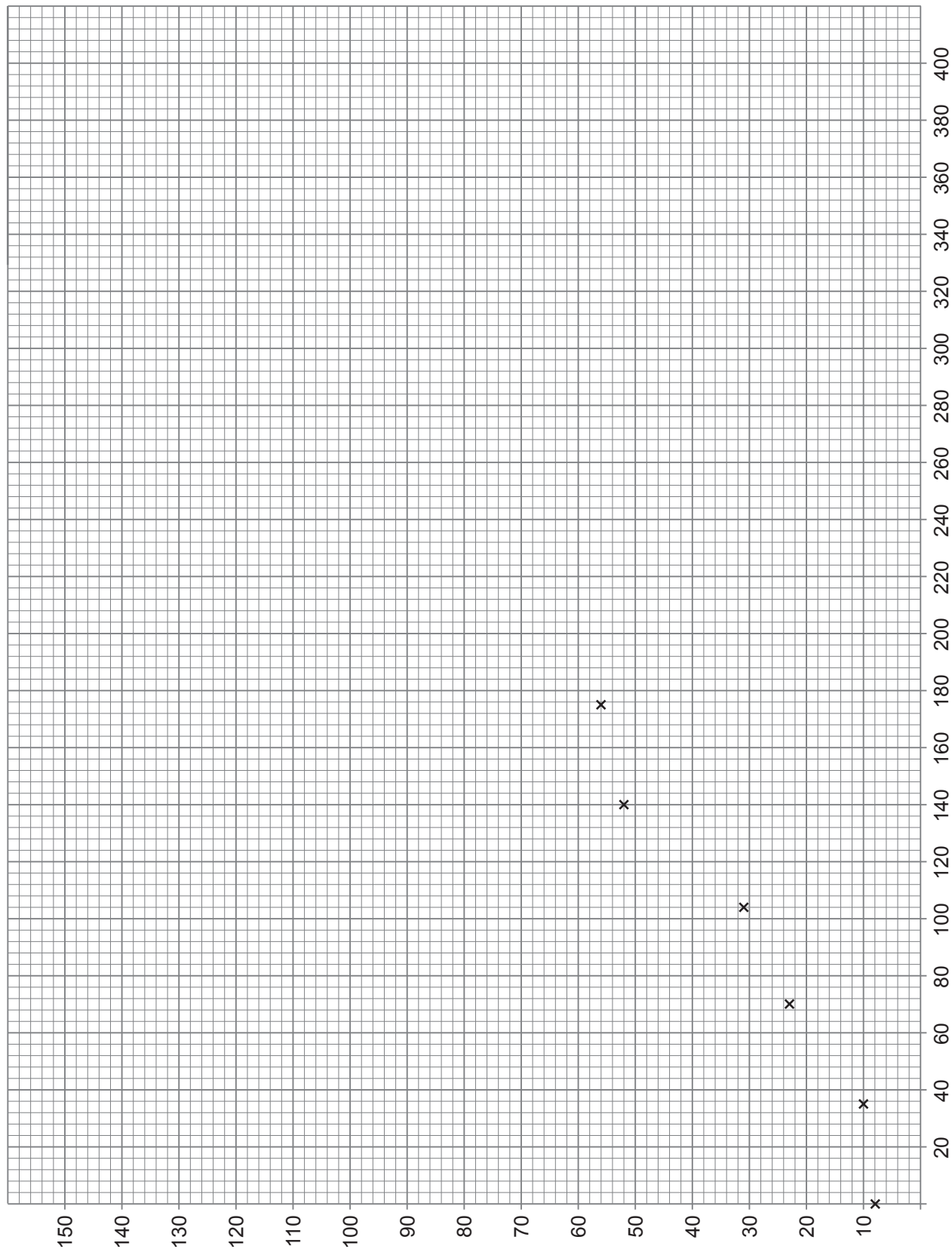
Question Number	Marks
1	
2	
3	
4	
5	
6	
7	

Total Marks

Examiner Only	
Marks	Remark

# Resource 1B

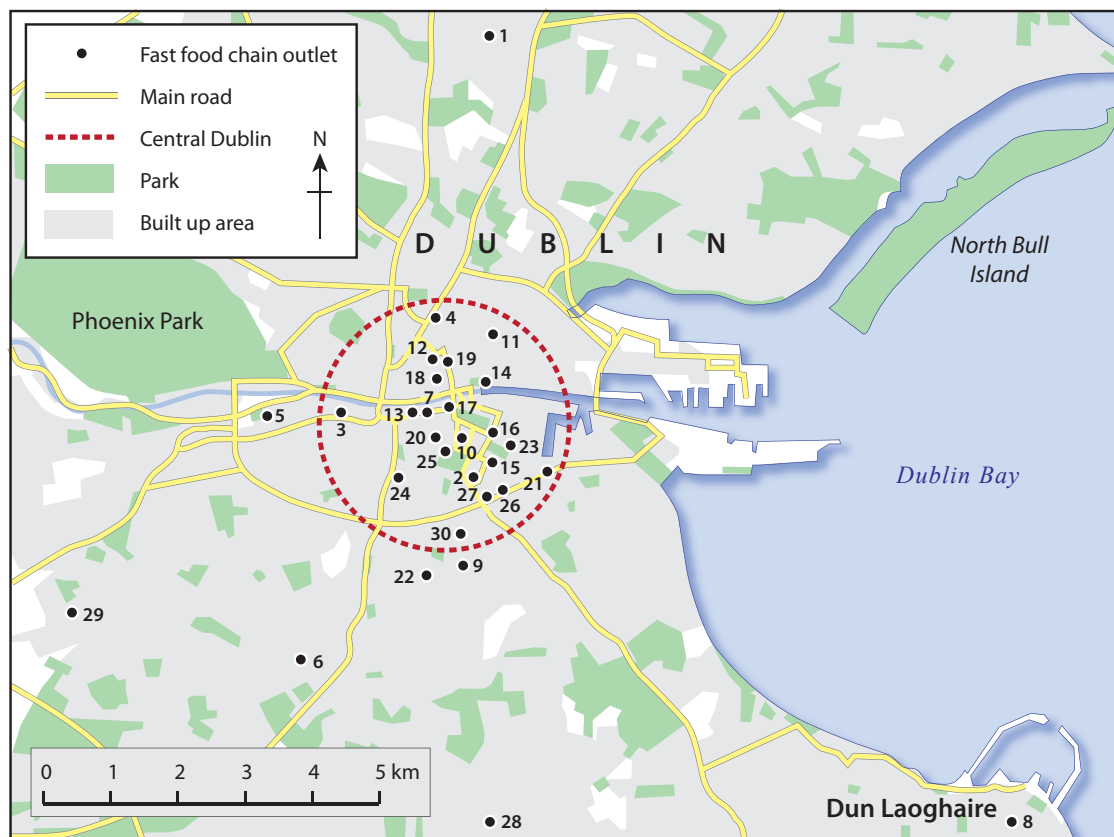
Title of graph: \_\_\_\_\_





- (b) A geographer studying service distribution in Greater Dublin, Ireland mapped the distribution of a chain of fast food restaurants within this area as illustrated in **Resource 1C** below.

**Resource 1C**



Source: Principal Examiner



Area = 194.21km<sup>2</sup>

Type of distribution \_\_\_\_\_

[6]

- (iii) Discuss how the  $R_n$  value and type of distribution may have been affected if this study had only covered the Central Dublin area rather than the Greater Dublin area.

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[3]

Examiner Only	
Marks	Remark

## Resource 1E

## Nearest Neighbour Index Equation

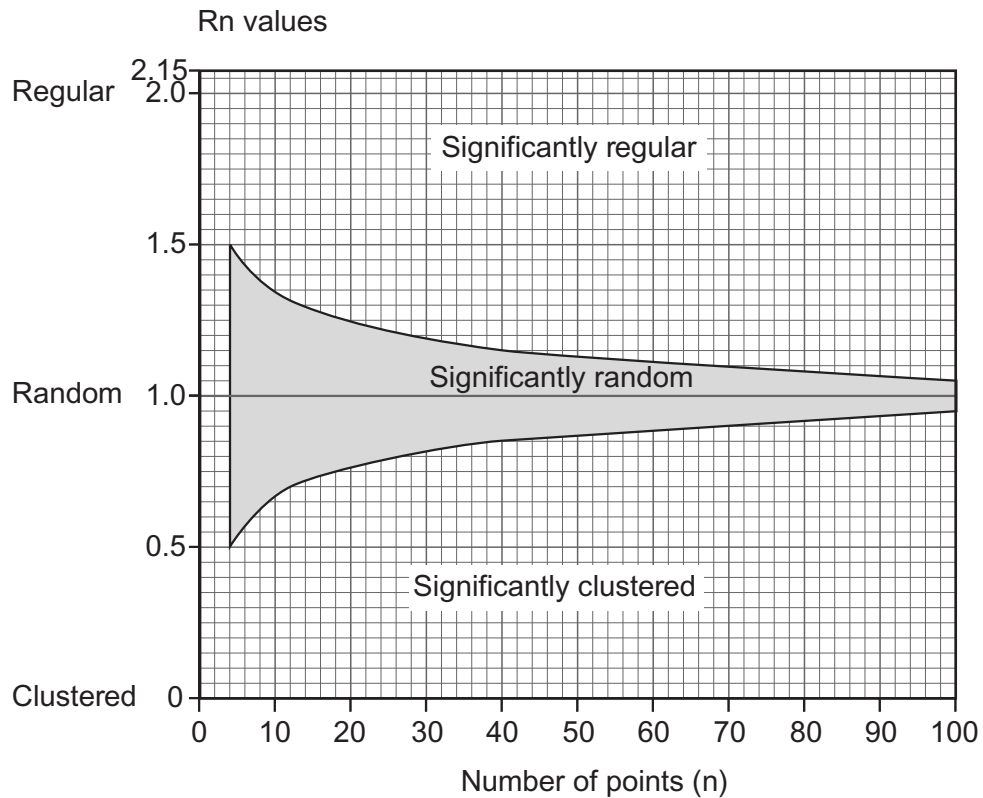
Formula:  $R_n = 2\bar{d} \sqrt{\frac{n}{A}}$

where  $\bar{d}$  = the mean distance between nearest neighbours

$n$  = number of points

$A$  = area in question

## Nearest Neighbour Index Significance Graph





	Mean life expectancy for males (years)	Mean life expectancy for females (years)
England	78.3	82.3
Wales	77.2	81.6
Scotland	75.4	80.1
Northern Ireland	76.8	81.4

(i) Identify which sampling method would be most appropriate for the researchers to have used in this study and justify your choice.

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[3]

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- [2]

Examiner Only	
Marks	Remark

## Section B

Answer **all three** questions in this section.

- 2 (a) Study **Resource 2A** showing the population distribution of Egypt and **Resource 2B** showing the main physical features of Egypt and answer the questions that follow.

Resource 2A



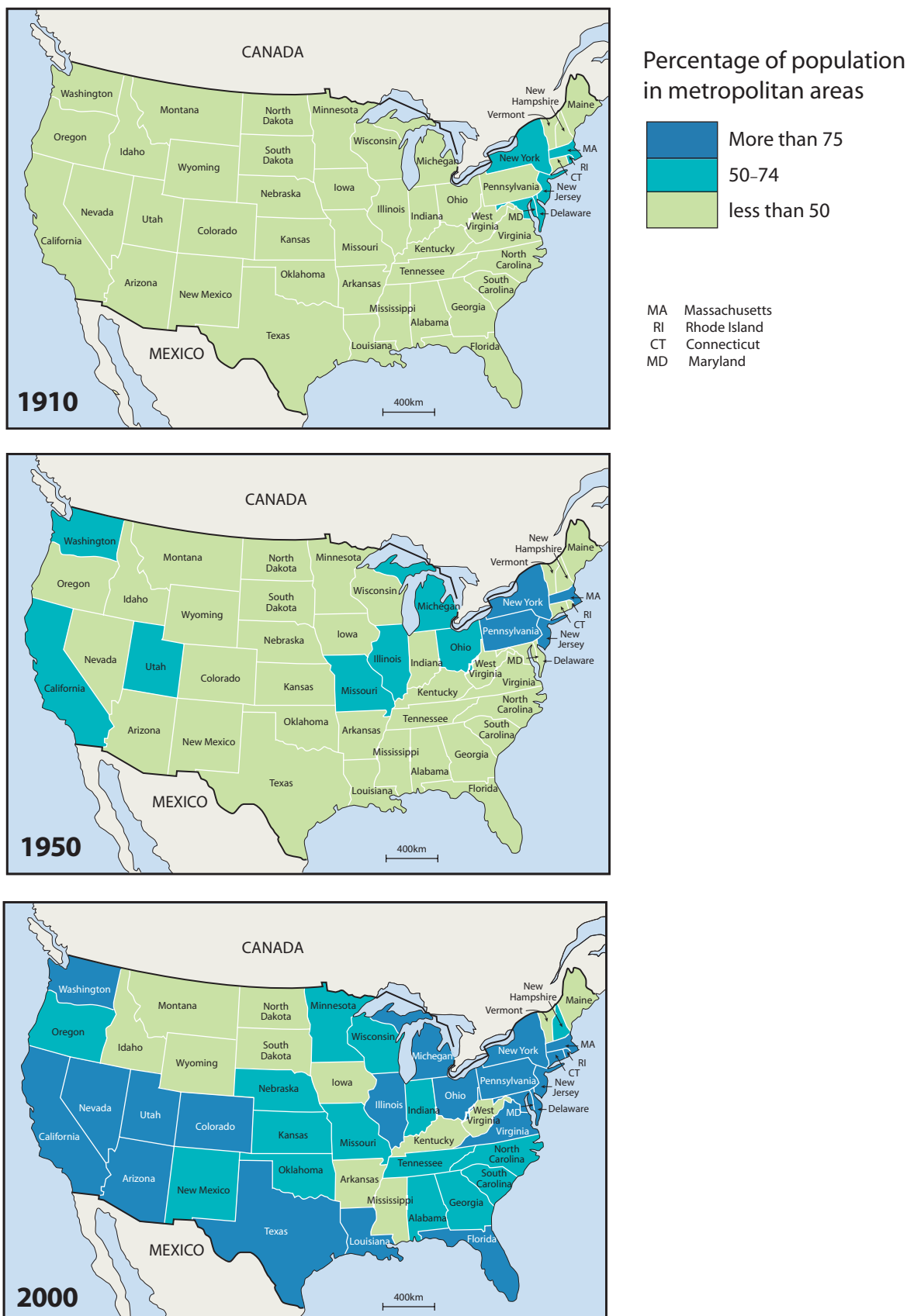
Resource 2B





- 3 (a) Study **Resource 3** which shows the percentage of the population living in metropolitan areas by state in the United States of America (USA) in 1910, 1950 and 2000 and answer the questions which follow.

**Resource 3**



*A metropolitan area is a region consisting of a populous urban core and its surrounding territory.*

*Source: U.S. Census Bureau, decennial census of population*





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**(Questions continue overleaf)**

(i) Using the resource, describe the changes in GDP in Sub-Saharan Africa and explain how these could affect the rate of development in the region.

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Examiner Only	
Marks	Remark



Question  
Number

Number your answers clearly

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

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**THIS IS THE END OF THE QUESTION PAPER**

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