



ADVANCED GCE
GEOGRAPHY A
 Investigative Skills

2686

Candidates answer on the Answer Booklet

OCR Supplied Materials:

- 8 page Answer Booklet
- An Insert (2686/I – inserted)
- O.S. Map Extract (inserted)

Other Materials Required:

None

Tuesday 29 June 2010
Morning

Duration: 1 hour 30 minutes



INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the spaces provided on the Answer Booklet.
- 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 **two** questions.
- Do **not** write in the bar codes.

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, diagrams and examples of places you have studied, provided they illustrate your answer.
- The total number of marks for this paper is **90**.
- This document consists of **4** pages. Any blank pages are indicated.

Answer **two** questions.

- 1 (a) Study the 1:50 000 O.S. Map extract of part of Pembrokeshire, an area in which an 'A' level geographical investigation is to be undertaken.
 With specific reference to the map extract, outline and justify an appropriate question or hypothesis for investigation. [5]
- (b) (i) Describe and justify a sampling strategy that could be employed in the investigation outlined in part (a). [10]
- (ii) Describe and justify preparations necessary before starting a geographical investigation. [15]
- (iii) Explain the use of data sources that might be used in this investigation. [15]
- 2 (a) Study Fig. 1, which shows census data by parish in Upper Wensleydale, for 1991 and 2001.
 - (i) Identify **two** other items of census information and suggest how these might be useful in an investigation into population change. [5]
 - (ii) Suggest an appropriate method of mapping population change in Upper Wensleydale based on the data in Fig. 1 and outline its merits and limitations. [10]
 - (iii) Describe the advantages and disadvantages of measures of dispersion that could be used to describe data such as that in Fig. 1. [15]
- (b) Assess the extent to which the appropriate choice of location and scale determines the effectiveness of geographical investigations. [15]
- 3 (a) Study Fig. 2, which shows changes in cross-sectional channel area downstream.
 - (i) Suggest and justify a suitable hypothesis for this data. [5]
 - (ii) With the aid of an appropriate diagram, describe and justify how you would represent the relationship between distance and cross-sectional area. [10]
 - (iii) Describe and justify **one** statistical test you could use to investigate the relationship between distance and cross-sectional area. [15]
- (b) To what extent is evaluation necessary in geographical investigations? [15]

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