



ADVANCED GCE
GEOGRAPHY A
 Investigative Skills

2686

Candidates answer on the Answer Booklet

OCR Supplied Materials:

- 8 page Answer Booklet
- An Insert (inserted)
- O.S. Map Extract 1:25 000 (inserted)

Other Materials Required:

None

Friday 5 June 2009
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 Study the 1:25 000 O.S. Map extract of the Seaford area, in which an A level geographical investigation is to be undertaken.
 - (a)
 - (i) Outline and justify an appropriate geographical investigation within the area shown on the map. [5]
 - (ii) Describe and justify the primary data you would collect in the investigation you outlined in part (i). [10]
 - (iii) With reference to the O.S. map extract, describe and justify appropriate sampling strategies that you would use to collect the primary data identified in part (ii). [15]
 - (b) To what extent could the effectiveness of an enquiry be influenced by the scale of the maps and diagrams used? Give examples in your answer. [15]

- 2 (a) Study Fig. 1, a flow line map of commuter journeys in North East England.
 - (i) Describe ways in which Fig. 1 could be improved. [5]
 - (ii) Describe the steps involved in constructing this type of flow line map. [10]
 - (iii) Describe and explain how the use of proportional symbols could help in illustrating the outcome of a geographical investigation. Give examples in your answer. [15]- (b) Evaluate the effectiveness of **two** techniques, other than proportional symbols, for showing spatial distributions of population. [15]

- 3 (a) Study Fig. 2, which shows the % organic content and soil depth along a transect in a deciduous woodland.
 - (i) Explain why a histogram is an appropriate method of presenting % organic content. [5]
 - (ii) Describe the advantages and disadvantages of using the mean, median and mode to analyse data such as that shown in Fig. 2. [10]
 - (iii) In what ways would a named statistical technique help in analysing the relationship between the two sets of data shown in Fig. 2? [15]- (b) To what extent is data reliability a compromise between a desire for accuracy and a need for practicality? [15]

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