ADVANCED GCE   2686

GEOGRAPHY A

Investigative Skills

TUESDAY 12 JUNE 2007   Afternoon

Time: 1 hour 30 minutes

Enclosed with this
Question Paper: An Insert
                         Map Extract 1:50 000
Additional materials: Answer Booklet (8 pages)

INSTRUCTIONS TO CANDIDATES

* Write your name, Centre number and Candidate number in the spaces provided on the answer paper/ booklet.

* Answer **two** questions.

* Write your answers in blue or black ink.

* Read each question carefully and make sure you know what you have to do before starting your answer.

INFORMATION FOR CANDIDATES

* The number of marks is given in brackets [ ] at the end of each question or part question.

* The total number of marks for this paper is 90.

* 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.

This document consists of **3** printed pages, **1** blank page, an Insert and an O/S Map.

Answer any **two** of the following questions.

1   Study the O.S. Map extract 1:50 000, which shows an area in which an A level Geographical Investigation is to be undertaken.

   (a) Outline and justify an appropriate Geographical Investigation within the area shown.   [5]

   (b) With reference to the map extract, describe and explain the sampling methodology that you would use to gather the necessary data for the investigation you have outlined.   [15]

   (c) Describe and justify any other preparations necessary before starting your data collection.   [10]

   (d) How would you ensure that the data collected is accurate and reliable?   [15]

2   Study Fig. 1 which shows the results of fieldwork on the severity of gravestone weathering.

   (a) Outline the limitations of the data as shown in Fig. 1.   [5]

   (b) Study Figs 2 and 3 which show graphical representations of the weathering data. Assess the relative merits of the two graphical methods in presenting the data.   [10]

   (c) Describe and justify the measures of central tendency that could be used to analyse the data in Fig. 1.   [15]

   (d) The graph in Fig. 4 plots the relationship between age of the gravestones and the severity of weathering. Describe and justify the use of regression analysis to help in the conclusion of this geographical investigation.   [15]

3   Study Fig. 5 which shows pedestrian flows into the Central Business District for two British towns.

   (a) Suggest and justify a suitable hypothesis which the data shown in Fig. 5 could be used to investigate.   [5]

   (b) Secondary data is usually needed in addition to primary data collected in the field. Describe and justify the secondary data you would need to help explain the pedestrian flows.   [10]

   (c) Describe and justify an appropriate statistical test to examine the difference between the two data sets shown in Fig. 5.   [15]

   (d) The two towns chosen for the investigation are nearly 150 km apart. Assess the validity and reliability of any comparison between the two data sets.   [15]

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