



**ADVANCED GCE**  
**GENERAL STUDIES**

Domain Exploration: Applying Synoptic Skills

**F733**

Candidates answer on the Answer Booklet

**OCR Supplied Materials:**

- 8 page Answer Booklet

**Other Materials Required:**

None

**Tuesday 26 January 2010**  
**Afternoon**

**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 **all** the questions in Section A and **one** question in Section B.
- 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.
- The total number of marks for this paper is **100**.
- **Where an answer requires a piece of extended writing, the quality of your written communication will be assessed, including clarity of expression, structure of arguments, presentation of ideas, spelling, punctuation and grammar.**
- You are advised to divide your time equally between Sections A and B.
- This document consists of **8** pages. Any blank pages are indicated.

## Section A

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

- 1 The three definitions **A**, **B** and **C** below refer to three key terms in science – theory, hypothesis and experiment.
- A** An act or operation undertaken to discover some unknown principle or effect or to test, establish, or illustrate some suggested or known truth.
- B** A well-tested explanation for a wide range of observations of experimental results.
- C** A tentative explanation for an observation, phenomenon, or scientific problem that can be tested by further investigation.
- (a) Identify which of the definitions **A**, **B** and **C** above fits which term. [2]
- (b) Using an example, **briefly** describe the relationship between the three terms. [8]

- 2 The following is a list of premises found in a suburban high street.

<b>A</b> Poppyknots Delicatessen & Café	<b>M</b> Miltons News and Nosh
<b>B</b> The Seaton Arms	<b>N</b> Lilyclean Dry Cleaners
<b>C</b> Mama Mia Pizza and Pasta	<b>O</b> Mike's Oven Bakery
<b>D</b> Sea Stars Fish and Chips	<b>P</b> Medicentre Insurance
<b>E</b> Multitudes Hair Design	<b>Q</b> Coopers the Chemist
<b>F</b> Handwash Car Valeting	<b>R</b> The Ship Inn
<b>G</b> Countess Jewellers	<b>S</b> Chan's Chinese takeaway
<b>H</b> Sophia's Toyshop	<b>T</b> Standfast Tanning Centre
<b>I</b> Zeb's Curry House	<b>U</b> Halyard Minimart
<b>J</b> Seaton News, Food and Wine	<b>V</b> The Quickbite Café
<b>K</b> Planright Architectural Services	<b>W</b> Anna's News
<b>L</b> Seaton Fruit and Veg	<b>X</b> Helen's Bridal Hire

Sort the list into **three** groups in a way which would be useful to a town planner, using the reference letters provided.

Give **each** of your groups a descriptive label.

Justify the groups that you have created, and suggest, giving a reason, a subdivision that would be possible within **one** of the groups. [10]

- 3 Here are two extracts from books about the Battle of the Atlantic during World War Two. One of these extracts is taken from a novel. The other is from an historical account.

**Extract A**

Strong winds kicked up a lumpy sea and poor visibility dominated 10 September. Rain gave way to fog, and the destroyers in the outer screen criss-crossed the convoy's wake investigating asdic contacts. The ships wallowed north; it was typical Western Ocean weather. At the same time, many miles to the eastward, the submarines *Tribune* and *Tigris* both made unsuccessful attempts to torpedo heavy German units moving north. These were in fact the *Scheer*, *Hipper* and *Köln*, though the pocket-battleship was mistaken for the *Tirpitz*. The following day was as gloomy and overcast as its predecessor, though the rain squalls gave way to snow.

5

Station-keeping in the convoy remained poor, and Commander Boddam-Whetham, flying his broad pendant in the *Temple Arch*, was driven to chastise his flock. He also warned them that enemy action was certain within a day or so: 'Ships should keep closed up to two cables and be prepared to help with mass fire.'

10

**Extract B**

For sailors, the Battle of the Atlantic was becoming a private war: if you were in it, you knew all about it – you knew how to watch-keep on filthy nights, how to surmount an aching tiredness, how to pick up survivors, how to sink submarines, how to bury the dead, and how to die without wasting anyone's time. You knew, though not in such detail as your own particular part of the job, the overall plan of the battle, and the way it was shaping. You knew, for example, that at this moment the score was running steadily against the convoys; you knew by heart the monthly totals of sinkings, the record and the quality of other ships in other escort groups, the names of U-boat commanders who had especially distinguished themselves by their skill or ruthlessness.

15

20

State briefly, drawing your evidence from **both** passages, which of the extracts you think is taken from the novel. [10]

- 4 You are researching an aspect of the area in which you live. Identify the aspect you are researching and outline the skills you would need to make your research paper accurate, authoritative and interesting. [20]

**Section A Total [50]**

## Section B

Answer **one** question from this section. Your answer should be in continuous prose.

- 5 Read the following passage and answer the question which follows.

The proliferation of chain stores across the country is turning the UK into a series of 'clone towns', a think tank has warned. The New Economics Foundation (NEF) said local stores are being driven out of towns as chains 'spring up like weeds' and that once distinctive towns are now losing their character.

Research by the NEF suggests that between 1997 and 2002 specialist stores like butchers, bakers and fishmongers shut at the rate of 50 a week. Also, nearly a thousand communities were left without access to a local bank and 20 traditional pubs were closing every month.

5

The think tank also says that the increasing trend toward small scale 'metro' or 'express' versions of big supermarkets is squeezing distinctive local shops out of the market – leaving shoppers no choices when it comes to shopping.

10

But Sean Rickard, from the Cranfield School of Management, said: 'The truth of the matter is that supermarkets offer a much greater choice. There are many people in this country – people who find it difficult to make ends meet – who choose a cheaper convenient alternative. If supermarkets have grown big, it's by the choices made by individuals – not by anyone forcing anyone through their doors.'

15

The report also suggests that stemming from increasing homogenisation of the high street are wider trends destroying diversity in arts and culture.

[Adapted from a report on the BBC Today programme website.]

Evaluate the potential impact on individuals, communities and cultures of the changing retail structure of 'clone towns'. **[50]**

- 6 'I think that science itself is morally neutral. But scientists themselves need not be morally neutral. They have moral responsibilities.'

[Professor Stephen Hawking]

Evaluate this statement with reference to **one** of the following areas of scientific study.

(a) Genetic Engineering

(b) Nuclear fusion

(c) Artificial Intelligence

**[50]**

7 **Source A** 'The business of the press is disclosure.'

(John Thaddeus Delane, editor of *The Times* 1841–1877)

**Source B** 'I buy wood pulp, process it and sell it at a profit.'

(Harold Harmsworth, Chairman of *The Daily Mail*, 1922–1932)

**Source C** 'After all, we are in the entertainment business.'

(Rupert Murdoch, Chairman of *The Times* 1981 onward)

What changes of emphasis in the nature of the press and the society it serves are implied in these three sources?

Evaluate the effects of these changes.

[50]

**Section B Total [50]**





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