

**Monday 25 June 2012 – Morning**

**A2 GCE GENERAL STUDIES**

**F733/01** Domain Exploration: Applying Synoptic Skills

Candidates answer on the Answer Booklet.

**OCR supplied materials:**

- 8 page Answer Booklet  
(sent with general stationery)

**Other materials required:**

None

**Duration:** 1 hour 30 minutes



**INSTRUCTIONS TO CANDIDATES**

- Write your name, centre number and candidate number in the spaces provided on the Answer Booklet. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Read each question carefully. Make sure 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**.
- **The quality of your written communication will be assessed including clarity of expression, structure of arguments, presentation of ideas, spelling, punctuation and grammar.**
- This document consists of **4** pages. Any blank pages are indicated.

## Section A

Answer **all** questions in this section.

1 Read the following statements about vegetarianism.

**A** Research has proven that vegetarians suffer less from many of the diseases linked to a modern Western diet: obesity, coronary heart disease, hypertension, type II diabetes, diet-related cancers, diverticular disease, constipation, gall stones.

[Source: The British Medical Association.]

**B** I don't eat meat because meat brings out negative qualities such as fear, anger, anxiety, aggressiveness, etc. Vegetables peacefully offer themselves to the earth when ripe, thus allowing a sublime and peaceful thought-consciousness.

[Source: Carlos Santana, musician, born 1947.]

Identify which of these statements is based on a belief, and which is based on a fact. **Briefly** justify your choice. **[10]**

2 Table 1 below contains data concerning the spending habits of boys and girls aged between ten and fifteen years. It shows the four items on which money is most frequently spent by boys and girls in each age group, with the highest spend in column 1 and the lowest spend in column 4.

**Table 1**

AGE & SEX	1	2	3	4
<b>10–11 BOY</b>	Sweets	Computer Games	Leisure/Sports Centres	CDs and Music
<b>10–11 GIRL</b>	Sweets	Magazines and Comics	CDs and Music	Leisure/Sports Centres
<b>12–13 BOY</b>	Sweets	Soft Drinks	Computer Games	CDs and Music
<b>12–13 GIRL</b>	Sweets	Clothes and Shoes	Soft Drinks	Magazines and Comics
<b>14–15 BOY</b>	Sweets	Soft Drinks	Fast Food	Clothes and Shoes
<b>14–15 GIRL</b>	Sweets	Clothes and Shoes	Soft Drinks	Cosmetics/ Toiletries

[Source: Schools Health Education Unit.]

Choose any **two** of the items on which money is spent. For **each** item you have selected, briefly describe the pattern of spending shown in the Table and suggest an explanation for this pattern.

**[10]**

- 3 “Give a man a fish and you feed him for a day. Teach him how to fish and you feed him for a lifetime.” [often attributed to Lao Tzu]

**Briefly** show how this idea is central to the use of intermediate technology in less economically developed countries. [10]

- 4 Read the following source and answer the question that follows.

An eminent doctor specialising in the treatment of AIDS believes he has discovered a new and inexpensive medication which will effect a cure. He proposes to conduct a clinical trial using three groups of people. One group will receive the new medication. One control group will receive the standard anti-retroviral therapy; a second control group will receive no treatment at all.

He chooses to conduct the trial in a poor African nation where no standard AIDS treatment is available.

[Adapted from a case study on the website of the Howard Hughes Institute.]

**Briefly** evaluate the doctor’s plan from scientific, social and cultural perspectives. [20]

**Section A Total [50]**

**TURN OVER FOR SECTION B**

## Section B

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

5 Read the source material below and answer the question that follows.

In *The Grand Design*, published in 2010, the mathematician Stephen Hawking concluded that science rules out the possibility of a deity. It is unnecessary to “invoke God to light the blue touch paper and set the universe going”.

In answer to this, Chief Rabbi Jonathan Sacks said, “there is a difference between science and religion: science explains things; religion interprets things. The Bible does not explain how the universe came into being. Equally, science cannot tell us why we are here or how we should live”.

[Adapted from an article in *The Guardian*, 2 September 2010.]

Using these views as a starting point, evaluate the idea that religious belief and science can co-exist. [50]

6 Scientific objectivity attempts to describe and explain the nature of an object or phenomenon being studied in a way that does not depend on the ideas and views of the person or persons conducting the study.

Can social science be objective? [50]

7 Technological advances have made significant contributions to each of the following art forms:

- fashion
- photography
- painting
- sculpture
- stage
- music
- architecture
- written word
- screen.

Select **two** of the art forms above and evaluate the contributions that technology has made to their development.

In your answer, refer to relevant examples from the art forms you have selected. [50]

**Section B Total [50]**

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