

Thursday 2 February 2012 – Afternoon

A2 GCE GENERAL STUDIES

F734/01 Culture, Science and Society: Making Connections

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.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- 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**.
- You are advised to divide your time equally between the questions.
- **The quality of your written communication will be assessed, including clarity of expression, structure of arguments, presentation of ideas, grammar, punctuation and spelling.**
- This document consists of **4** pages. Any blank pages are indicated.

Answer **both** questions.

Consider the following source material concerning Genetically Modified Foods and then answer the question which follows in the form of an essay.

SOURCE INFORMATION FOR QUESTION 1

SOURCE 1

Genetically Modified (GM) Foods

A website promoting the benefits of Genetically Modified (GM) Foods states that crops can be engineered in order to:

- produce higher crop yields
- be more economical despite higher initial costs of seed
- reduce the need for pesticides and herbicides
- stay fresher for longer
- survive weather extremes
- provide specific nutrients.

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(adapted from www.geneticallymodifiedfoods.co.uk)

SOURCE 2

The shape of things to come?



SOURCE 3

A website promoting organic farming in the UK gives another view of GM crops:

Organic farming recognises the direct connection between our health and the food we eat. Strict regulations, known as 'standards', define what organic farmers can and cannot do. These regulations place a strong emphasis on the protection of wildlife and the environment. Genetically modified (GM) crops and ingredients are banned under organic standards.

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(adapted from www.soilassociation.org)

- 1 Using the sources together with your own knowledge and personal experience, assess to what extent any advantages of developing GM food production may outweigh any disadvantages. In your answer you should consider cultural, scientific and social issues. **[50]**

Consider the following source material concerning Britain and then answer the question which follows in the form of an essay.

SOURCE INFORMATION FOR QUESTION 2

SOURCE 4

In the year 2012 there are many reasons to be proud to be British. On the other hand newspaper headlines often reflect a negative image of Great Britain. Among recent examples of both positive and negative headlines are:

‘The Queen – 50 Glorious Years!’

‘Britain leads the world
on wind power’

‘Britain lagging on green energy’

‘Why are our streets a tip?’

‘Britain edges closer to another credit crunch’

- 2 Using the source together with your own experience and knowledge, discuss to what extent it is possible to be proud to be British in 2012. In your answer you should consider cultural, scientific and social issues. [50]

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