

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

Culture, Science and Society: Making Connections

2968

Candidates answer on the Answer Booklet

OCR Supplied Materials:

- 8 page Answer Booklet

Other Materials Required:

None

Monday 14 June 2010
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.
- If you use additional sheets of paper, fasten the sheets to the Answer Booklet.
- Answer **both** 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.
- The total number of marks for this paper is **100**.
- You are advised to divide your time equally between Sections A and B.
- In both your answers you should draw upon your studies from the Cultural, Scientific and Social Domains to demonstrate a broad understanding of the issues.
- **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, grammar, punctuation and spelling.**
- This document consists of 4 pages. Any blank pages are indicated.

Section A

Read the following source material which offers views of the future and answer the question that follows in the form of an essay.

SOURCE 1

‘...the likelihood is that, in 100 000 years’ time, we shall either have reverted to wild barbarism, or else civilisation will have advanced beyond all recognition into colonies in outer space...’

(Richard Dawkins, Vol. 328, Economist, 09-11-1993, pp 87)

‘if you want a picture of the future, imagine a boot stamping on a human face – forever.’

(George Orwell, Nineteen Eighty-Four, Part 3, Chapter 3, 1949)

‘It is a day we should treasure. Today is about a promise of a bright future, a day when we hope a line will be drawn under the bloody past.’

(Bertie Ahern, talking about the Northern Ireland Peace Treaty, The Guardian, 11-4-1998)

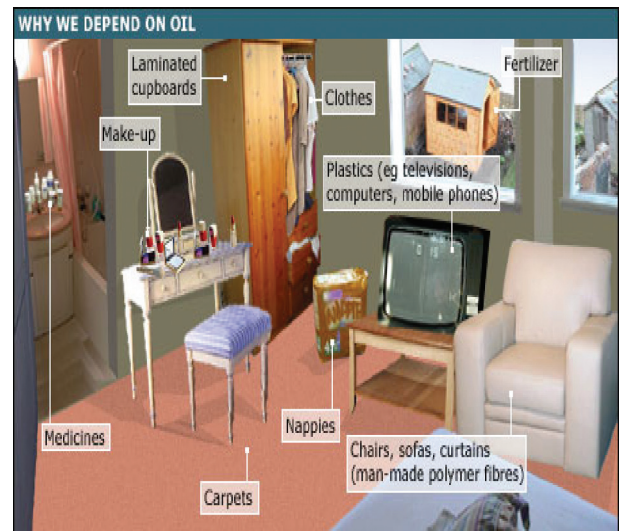
‘The distinction between past, present and future is only an illusion, however persistent.’

(Albert Einstein, Letter to Michaelangelo Besso, 21-3-1955)

SOURCE 2



SOURCE 3



- 1 Outline and justify your view of the future using the source material and your own ideas. In your answer you should refer to scientific, social and cultural aspects. [50]

SECTION B

Consider the following source material about children's health in the UK and answer the question that follows in the form of an essay.

SOURCE 4

It would be difficult not to be aware that our children's diets are a serious cause for concern, given the recent publicity through the media. There have been a number of reports highlighting the unhealthy state of children's diets and the media can be congratulated for taking the issue seriously and helping to raise awareness across the nation. National surveys have highlighted the problem of children's food and exercise patterns.

New research findings that reinforce the crucial links between diet, lifestyle and health are regularly published these days. Alongside the science are the frightening statistics concerning obesity rates, heart disease, cancer and most recently type II diabetes. The basic link between lifestyle and health is no longer in question, but the best way to go about improving the health of the nation remains a constant debate and struggle – there appears to be no simple solution, but complex science often loses sight of the fact that we are what we eat!

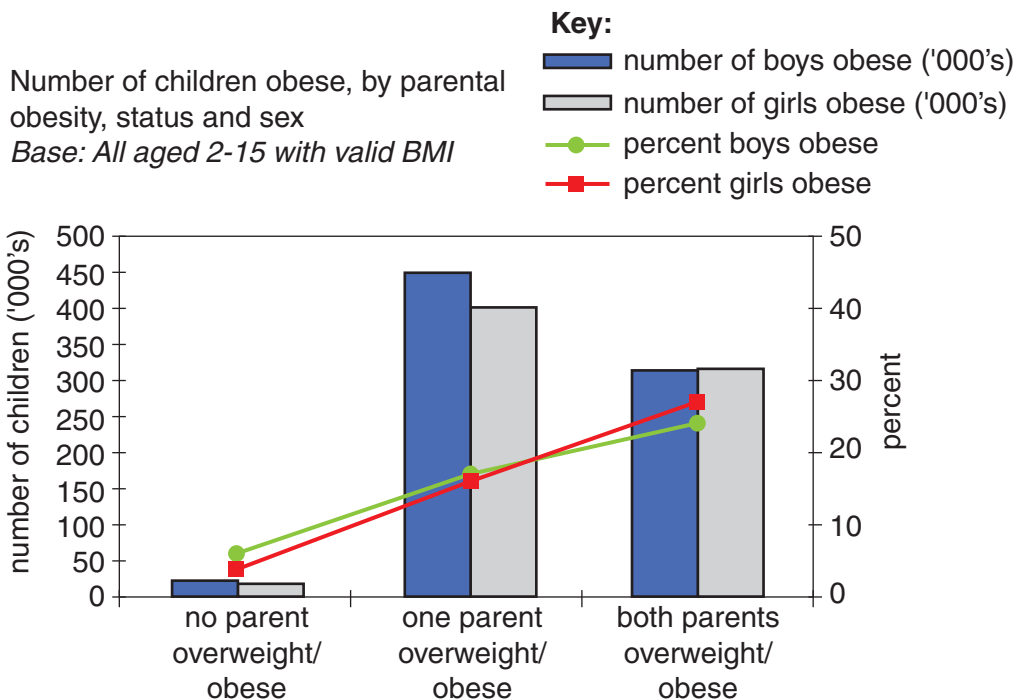
Food plays an important role in health throughout the life cycle: starting in the foetus, where nutrients are required in specific amounts to ensure the correct development of all organs and linear growth; throughout childhood, where maximum growth is achieved; and into adulthood, where weight maintenance is important along with a balanced diet to prevent or delay the initiation of disease.

However, we have known for some time that the increasing rates of obesity over the last 30 years are more closely related to TV viewing figures (hours/week) and the number of cars per household, than to how much we eat. It has now become a high profile media issue, with the slimming industry experiencing major growth. The fact is our energy and fat intake has reduced but energy expenditure has reduced by even more – hence a net increase in weight over time.

Even more disturbing is the revelation that type II diabetes is now occurring in children as young as 13. Type II diabetes is increasingly common in overweight older adults, who are at significantly increased risk of developing the disease, although until now it has been rare in children.

(www.healthedtrust.com)

SOURCE 5



(Forecasting Obesity to 2010, P. Zaninotto, H. Wardle, E. Stamatakis, J. Mindell and J. Head)

- 2 Consider and analyse the ways in which parents and other agencies might attempt to solve the problems concerning obesity which are raised by the source material. You should refer to scientific, social and cultural aspects of obesity. **[50]**

Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations, is given to all schools that receive assessment material and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact the Copyright Team, First Floor, 9 Hills Road, Cambridge CB2 1GE.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.