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Oxford Cambridge and RSA

Wednesday 20 June 2018 – Afternoon**A2 GCE GENERAL STUDIES****F734/01** Culture, Science and Society: Making Connections

Candidates answer on the Answer Booklet.

OCR supplied materials:

- 12 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 **both** questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Do **not** write in the barcodes.

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.

INFORMATION FOR QUESTION 1

Consider the following source material relating to population and then answer the question which follows in the form of an essay.

SOURCE A

Age distribution of the UK population, 1975 to 2045 (projected)

Year	UK Population	0 to 15 years (%)	16 to 64 years (%)	65 years and over (%)
1975	56,226,000	24.9	61.0	14.1
1985	56,554,000	20.7	64.1	15.2
1995	58,025,000	20.7	63.4	15.8
2005	60,413,000	19.3	64.7	15.9
2015	65,110,000	18.8	63.3	17.8
2025	69,444,000	18.9	60.9	20.2
2035	73,044,000	18.1	58.3	23.6
2045	76,055,000	17.7	57.8	24.6

Source: Office for National Statistics

Totals may not add up to 100% due to rounding

SOURCE B

In January 2017, Age UK stated that there were more people in the UK aged 60 and over than there were under 18. By 2040 it is expected that one in four people will be over the age of 65. However, the 'elderly' appear to be victimised on a regular basis. The age at which women can receive a state pension has increased from 60 years to 65 in recent years. For both men and women, the state pension age is expected to steadily increase to 70 or beyond for those who are teenagers in 2017.

Ageism appears to be commonplace. It happens in the workplace, in bars, in the media, electronically, financially, and often there is the assumption that older people are deaf or lacking abilities in one way or another. A spokeswoman for Age UK said 'being discriminated against because people leap to conclusions about you due to your age can have a huge impact on everyday life and particularly self-esteem'.

- 1 Evaluate and discuss the key cultural, scientific and social issues that affect older people. To what extent do you agree that this age group is subject to discrimination? **[50]**

INFORMATION FOR QUESTION 2

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

SOURCE C

Apps have been developed which can monitor and control a central heating system wirelessly.

SOURCE D

At the World Government Summit held in Dubai in February 2017, Elon Musk, CEO of Tesla and Space X, expressed concern about employment opportunities for humans. 'There are many people whose jobs are to drive. Driving in its various forms might be the single largest employer of people. Driverless cars are being developed and this is going to happen much faster than people realise. So, we need to figure out new roles for those people to do.' Many experts envisage a day when machines will walk alongside humans and act in a similar manner to us. However, as Artificial Intelligence has the potential to teach itself, it has the capability to become a lot smarter than people, which could spell the end for humanity.

- 2 Evaluate and discuss cultural, scientific and social ways in which developments in technology can affect our daily lives. To what extent do you agree that technology is progressing so fast that humans may become redundant? [50]

END OF QUESTION PAPER



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