

OCR

Oxford Cambridge and RSA

Thursday 7 June 2018 – Afternoon**AS GCE GENERAL STUDIES****F732/01** The Scientific Domain

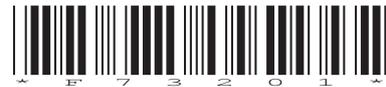
Candidates answer on the Question Paper.

OCR supplied materials:

None

Other materials required:

- Scientific calculator

Duration: 1 hour

Candidate forename		Candidate surname	
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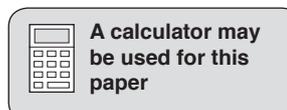
Centre number						Candidate number				
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INSTRUCTIONS TO CANDIDATES

- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions in Section A and **one** question in Section B.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
- 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 **60**.
- You are advised to divide your time equally between Sections A and B.
- **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 **12** pages. Any blank pages are indicated.



SECTION A

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

- 1 **Table 1** shows the predicted amounts of greenhouse gas emissions from three different industry sectors in the UK from 2017 to 2022. The amounts are measured in millions of kilograms.

Table 1

	2017	2018	2019	2020	2021	2022
Transport sector	115	114	112	105	104	103
Energy Supply sector	130	127	118	112	94	87
Business sector	87	85	85	83	77	75

- (a) (i) Which industry sector has the same predicted amount of greenhouse gas emissions for two consecutive years?

..... [1]

- (ii) Which industry sector is predicted to reduce their greenhouse gas emissions the most from 2017 to 2022?

..... [1]

By how much will that sector's emissions be reduced during this time?

..... [1]

- (iii) The total predicted amount of emissions for all three industry sectors in 2020 is 300 million kilograms. What percentage of this amount comes from the Transport sector?

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..... [3]

- (b) The information in **Table 1** could be displayed in a pie chart or a line graph. Which of these formats would be the most useful way to display a trend and why?

.....

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.....

..... [3]

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END OF QUESTION PAPER

ADDITIONAL ANSWER SPACE

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).

A large area of lined paper for writing answers. It features a vertical margin line on the left side and horizontal dotted lines for writing. The lines are evenly spaced and extend across the width of the page.

A writing template consisting of a vertical solid line on the left side, creating a margin. To the right of this line, there are 25 horizontal dotted lines spaced evenly down the page, providing a guide for handwriting.

A large area of the page is reserved for writing, featuring a vertical solid line on the left side and horizontal dotted lines extending across the page.



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