

**GENERAL STUDIES**  
**Foundation Tier**  
**Paper 1**

**3761/1F**

Monday 19 May 2003 1.30 pm to 3.30 pm

**F**

**In addition to this paper you will require:**

- an objective test answer sheet for Section A;
  - a question paper/answer book for Sections B and C, provided as an insert;
  - a black ball-point pen.
- You may use a calculator.

Time allowed: 2 hours

**Instructions**

**SECTION A**

- Use a black ball-point pen for recording your answers to Questions A1 to A20 on your objective answer sheet.
- Answer **all** questions.
- For each question there are several alternative responses. When you have selected the response which you think is the best answer to a question, mark this response on your answer sheet.
- Mark all responses as instructed on your answer sheet. If you wish to change your answer to a question, follow the instructions on your answer sheet.
- Do all rough work in this book, **not** on your answer sheet.

**SECTION B and SECTION C**

- Answer **all** questions in **Section B** and **one** question from **Section C**.
- Write your answers to **Section B** and **Section C** in the spaces provided in the combined question paper/answer book which is provided as a separate booklet inside this one.

**Information**

- The question paper consists of three sections, **Section A, B and C**.
- **Section A** consists of 20 compulsory objective test questions; for each question there are four responses.
- All questions in **Section A** carry equal marks, i.e. 1 mark for each question.
- **Section B** consists of one compulsory problem-solving exercise.
- **Section C** consists of **two** questions, from which you are required to answer **one**.
- In **Sections B and C** you will be assessed for quality of written communication.

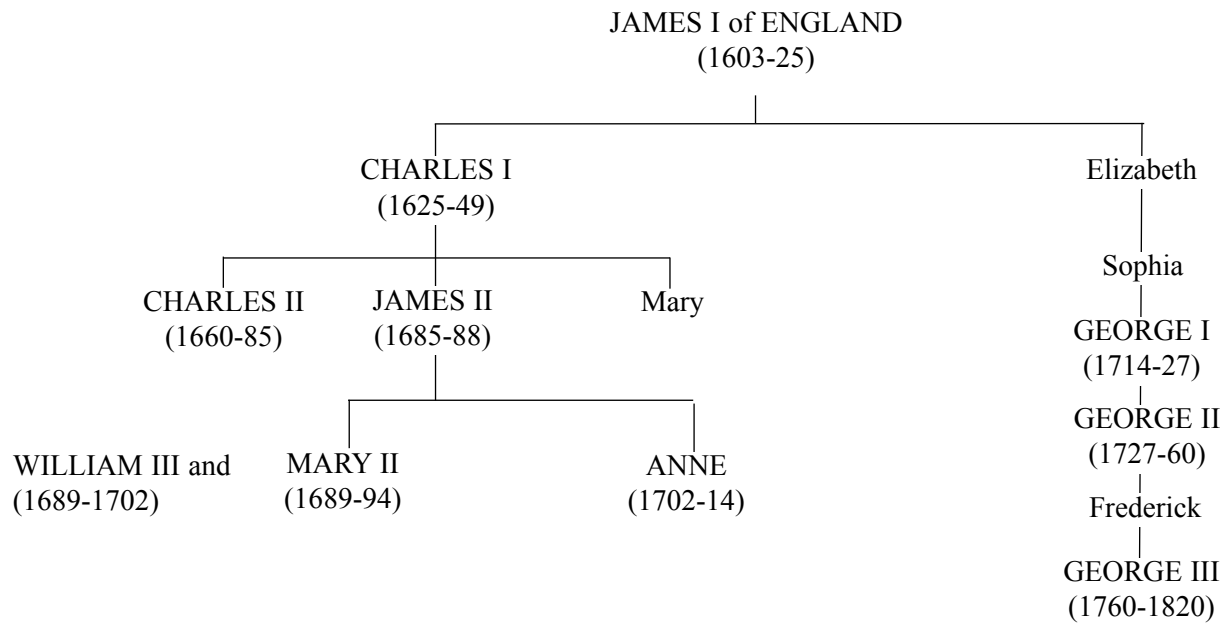
**Advice**

- Do not spend too long on any question. If you have time at the end, go back and answer any question you missed out.
- You are advised to spend about 30 minutes on **Section A** and about 1 hour 30 minutes on **Sections B and C**.
- Make sure that you hand in **both** your Section A answer sheet **and** your Section B and C answer book at the end of the examination.

## SECTION A

Each of Questions A1 to A20 is followed by four responses, A, B, C and D. For each question select the best response and mark its letter on the answer sheet provided.

- A1** The diagram below has the names of Kings and Queens of England and the dates of their reign. Other members of the royal family are shown without dates.



What is the relationship between Charles I and James II?

- A** uncle and nephew  
**B** father and son  
**C** grandfather and grandson  
**D** cousins
- A2** George I is George III's
- A** great-grandfather.  
**B** grandfather.  
**C** father.  
**D** brother.

**A3** Aristophanes (c.448 to 380 BC) was one of the first writers of comic drama. He wrote about issues such as the power of women.

Aristophanes was a

- A** journalist.
- B** musician.
- C** novelist.
- D** playwright.

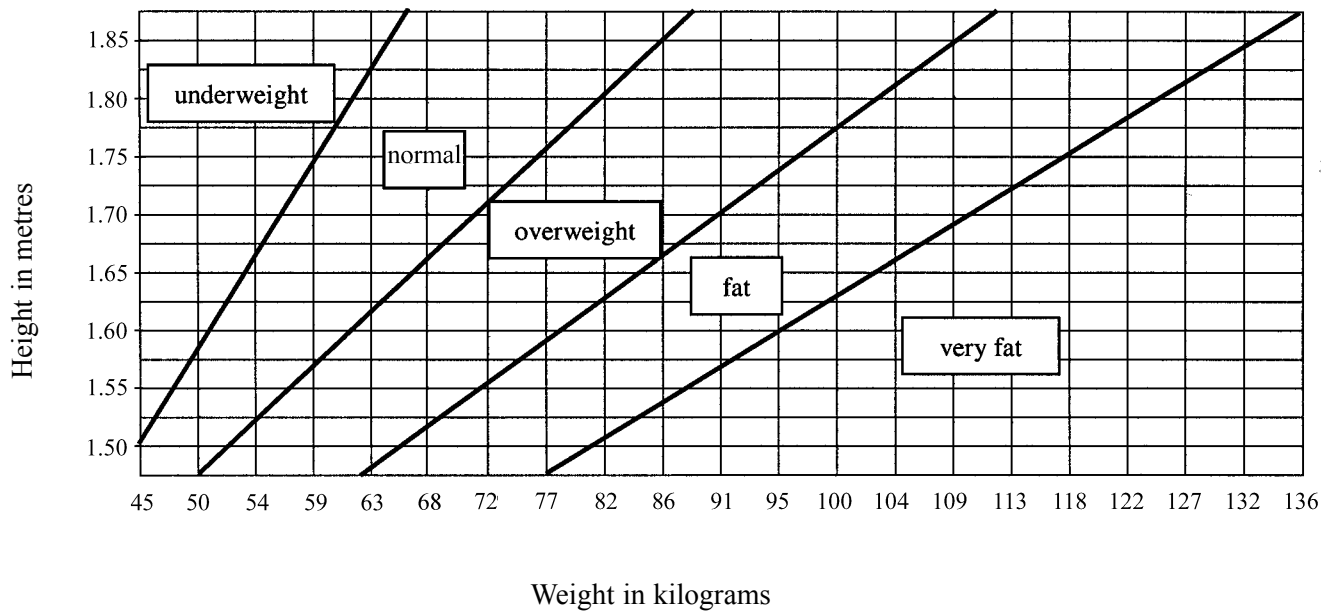
**A4** When he died Aristophanes was about

- A** 58.
- B** 62.
- C** 68.
- D** 72.

**TURN OVER FOR THE NEXT QUESTION**

**Turn over ►**

A5



Use the chart above to answer the following.

A man is 1.80 m tall and weighs 100 kg. Which category does he fall into?

- A very fat
- B overweight
- C normal
- D underweight

A6 The recommended weight range for a healthy adult 1.70 m tall is

- A 57 – 71 kg.
- B 45 – 110 kg.
- C 89 – 110 kg.
- D 45 – 66 kg.

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**A7**

<b>SALMON KEDGEREE</b> (serves 4 persons)
150 g white rice
3 hard boiled eggs
250 g natural yoghurt
2 tsp curry powder
2 salmon fillets

If rice is sold in 500 g bags, how many bags of rice would be needed to feed 40 people using the above recipe for salmon kedgerree?

- A** 3
- B** 6
- C** 20
- D** 40

**A8** A measuring cup holds 250 g of rice. Another recipe asks for 875 g of rice. What is the correct number of cups to use?

- A** 2.5 cups
- B** 3 cups
- C** 3.5 cups
- D** 4 cups

**TURN OVER FOR THE NEXT QUESTION**

**Turn over ►**

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**A9**

The diagram showing an investigation of some different conditions for the growth of seedlings is not reproduced here due to third-party copyright constraints.

The full copy of this paper can be obtained by ordering 3761/1F  
from AQA Publications  
Tel: 0161 953 1170

An experiment was set up as shown above. Each of the four test tubes held cress seeds under different conditions.

Tube D was kept at 5°C. What is the best way of doing this?

- A** Put it in a freezer.
- B** Put it on a windowsill.
- C** Put it in a cupboard.
- D** Put it in a fridge.

**A10** The test tube which would give the best conditions for successful germination of cress seedlings is

- A** Tube A.
- B** Tube B.
- C** Tube C.
- D** Tube D.

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**A11**

The diagram showing the conditions for solar and lunar eclipses is not reproduced here due to third-party copyright constraints.

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from AQA Publications  
Tel: 0161 953 1170

Which of the following best describes a solar eclipse?

- A** The moon is partly hidden by the reflection of light from the earth.
- B** The sun and the moon together cause a high tide.
- C** The moon is full and bright in the night sky.
- D** The moon blocks all sunlight from an area of the earth.

**A12** Which of the following best describes a lunar eclipse?

- A** The moon stops light reflecting from the earth.
- B** The earth stops light falling on the moon.
- C** The sun passes between the moon and the earth.
- D** The moon passes between the earth and the sun.

**TURN OVER FOR THE NEXT QUESTION**

**Turn over ►**

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**A13**

The diagram showing ocean currents in the Atlantic is not reproduced here due to third-party copyright constraints.

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The part of the Gulf Stream that carries warm water to Northern Europe is called the

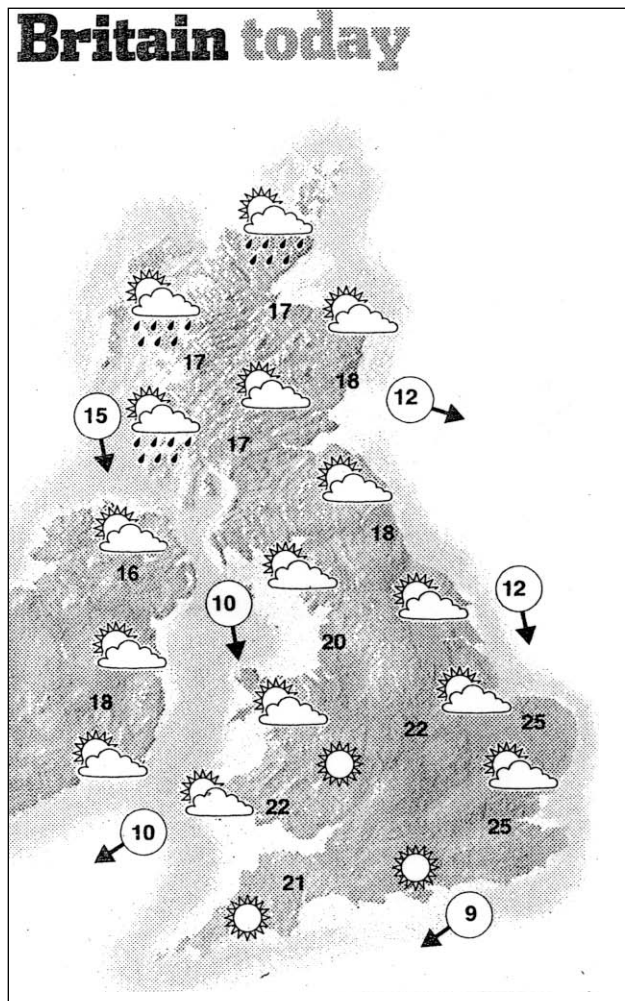
- A** Canary Current.
- B** North Equatorial Current.
- C** North Atlantic Drift.
- D** South Equatorial Current.

**A14** A possible outcome of the failure of the Gulf Stream could be that

- A** the ice at the North Pole would melt.
- B** North Africa would become warmer.
- C** Northern Europe would become warmer.
- D** Northern Europe would become colder.



A15



Source: *Independent on Sunday 26.8.01*

The temperature in London is shown as

- A 18°C.
- B 21°C.
- C 22°C.
- D 25°C.

**A16** The coldest place in the UK on that day was forecast to be

- A Northern Ireland.
- B Western Scotland.
- C South West England.
- D South Wales.

Turn over ►

A17

**Travel Costs Compared****Approximate journey cost per mile**

<b>A</b>	London - Penzance 310 miles		
	By coach	By car	By train
Journey cost	£39.51	£30.00	£65.50
Cost per mile	12p	9p	21p
<b>B</b>	London - Manchester 202 miles		
	By coach	By car	By train
Journey cost	£25.75	£16.50	£92.50
Cost per mile	12p	8p	45p
<b>C</b>	London - Edinburgh 413 miles		
	By coach	By car	By train
Journey cost	£52.64	£26.00	£90.00
Cost per mile	12p	6p	21p
<b>D</b>	London - Heathrow 16 miles		
	By coach	By car	By train
Journey cost	£2.03	£7.00	£12.00
Cost per mile	12p	43p	75p

For which of these journeys would it be cheaper for three people to travel by public transport than by sharing a car?

- A** A
- B** B
- C** C
- D** D

**A18** Which method of transport has the least variation in costs per mile?

- A** Coach
- B** Car
- C** Train
- D** None of them.

**A19** Percentage of children in England immunised by their first birthday, 1988-89 to 1997-98

Year of 1st birthday	Diphtheria	Tetanus	Polio	Pertussis (Whooping Cough)	Haemophilus Influenzae b
1988-89	63	62	62	56	-
1989-90	67	67	67	62	-
1990-91	81	81	81	77	-
1991-92	91	91	91	88	-
1992-93	93	93	93	90	-
1993-94	92	92	92	90	83
1994-95	92	92	92	91	90
1995-96	93	93	93	92	93
1996-97	93	93	93	92	93
1997-98	93	93	92	91	92

Study the table of figures shown above. What is the overall trend in the figures for the period 1988-1998?

- A** No change in the percentage of children immunised.
- B** A decrease in the percentage of children immunised.
- C** An increase in the percentage of children immunised.
- D** Large swings in the percentage of children immunised.

**A20** All of the following are factors contributing to the trend above **except**

- A** government assurances as to vaccine safety.
- B** more advertising for the need to vaccinate.
- C** more parental awareness for the need to vaccinate.
- D** a rise in the birthrate.

**QUESTION A20 IS THE LAST QUESTION IN SECTION A**

**ON YOUR ANSWER SHEET IGNORE ROWS 21 TO 50**

**TURN OVER FOR SECTION B STIMULUS MATERIAL**

**Turn over ►**

## SECTION B Stimulus Material

Study the following information and answer **all** the questions in Section B,  
which are printed in the enclosed question paper/answer book.

### Item A

#### WHAT IS ORGANIC FOOD?

- \* It is grown by natural farming methods.
- \* Farmers do not use artificial fertilisers.
- \* Farmers do not use chemicals to kill pests, weeds or fungi.
- \* Animal manures are used to enrich the soil.
- \* Organic farmers care for wildlife, water and the environment.
- \* Consumers are often prepared to pay more for organic food as it is seen as 'better' or 'healthier'.

### Item B

The screenshot shows a web browser window with the following content:

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address <http://www.Burgermania.co.uk> Go

Links

# BURGERMANIA

**FIND A BETTER BURGER IF YOU CAN !**

For your nearest Burgermania Bar  
enter your postcode:

WE ARE THE UK'S FASTEST GROWING ORGANIC BURGER COMPANY !

[GO](#)

HOME | ABOUT BURGERMANIA | FOOD | DETAILS | NEWS | KIDS SECTION | JOBS

**£**

We make a donation to children's charities for each Kid's Meal sold

[GO](#)

FAST FOOD IS FUN BUT

BURGERMANIA BURGERS ARE BETTER!

TRY OUR NEW

**SPICIN' STRIPS**

**KID'S MEALS: EACH MONTH A NEW PROMOTION!**

[GO](#)

- Our meals aren't dull, processed or boring
- Totally ORGANIC food!

All our food is fresh not frozen and all meals are cooked to order

[GO](#)

Done Internet

Burgermania's proposed web page

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**Item C**

### **FACTS ABOUT BURGERMANIA BARS**

Burgermania Bars only serve good, wholesome, healthy organic food which has not been frozen. Every meal is quickly cooked to order. All our beef comes from specially selected and carefully tested UK herds.

Our burgers contain fresh ground beef, onions and ten herbs and

spices. Burgermania Bars also offer a range of freshly baked buns, a wide variety of salads, healthy but tempting sweets and drinks which do not contain large amounts of sugar, caffeine or additives.

There are currently 700 Burgermania Bars in the UK,

serving 6,982,500 customers each week. Each customer spends, on average, £2.50 per visit.

Burgermania was set up for £500 when its founder, Bill Hughes, was 65 years old. When he finally retired 12 years later, he sold the company for £1,000,000.

Adapted from a Burgermania Press Release

**TURN OVER FOR SECTION C**

**Turn over ►**

## SECTION C

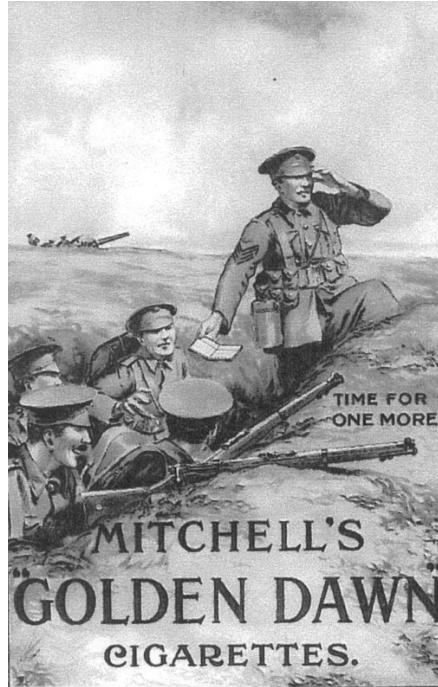
Answer **one** question, **EITHER C1 or C2.**

Write your answers in the spaces provided on pages 5 to 8 of the other booklet.

Each question carries 30 marks.

C1

## Item D



A First World War  
cigarette advertisement

Source: Imperial War Museum

## Item E



Advertising in  
Piccadilly Circus,  
London

- (a) Give **two** reasons explaining why cigarette advertising is now banned on television. (4 marks)
- (b) **Item D** shows an officer in a First World War trench giving out cigarettes to his men. Why is this advertisement not very realistic? (8 marks)
- (c) What do you consider makes a good advertisement? In your answer you should consider television, magazines and advertising you may see in the street. (18 marks)

**C2**

Item F (depicting a dog used for medical research) and Item G (a scene showing fox hunting with dogs) are not reproduced here due to third-party copyright constraints.

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- (a) Give **two** reasons explaining ways in which dogs can help humans. *(4 marks)*
- (b) ‘Animal testing should be banned.’ (**Item F**)  
How far do you agree with this statement? *(8 marks)*
- (c) What are the arguments for **and** against the hunting or shooting of wild animals and birds?  
In your answer you could discuss jobs, traditions, pest control, cruelty, damage to farm land and firearm accidents. *(18 marks)*

**END OF QUESTIONS**

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Surname		Other Names	
Centre Number		Candidate Number	
Candidate Signature			

General Certificate of Secondary Education  
June 2003



**GENERAL STUDIES**  
**Foundation Tier**  
**Paper 1 Sections B and C**

**3761/1F**

**F**

Monday 19 May 2003 1.30 pm to 3.30 pm

- In addition to this paper you will require:**
- the Section B stimulus material in other booklet;
  - the Section C questions in other booklet.
- You may use a calculator.

For Examiner's Use			
Number	Mark	Number	Mark
B1			
B2			
B3			
B4			
B5			
C			
Total (Column 1)	→		
Total (Column 2)	→		
TOTAL			
Examiner's Initials			

Time allowed: 2 hours

**Instructions**

- Use blue or black ink or ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions in Section B and **one** question in Section C.
- Write your answers to Section B and Section C in the spaces provided in this answer book.
- Do all rough work in this book. Cross through any work you do not want marked.

**Information**

- The maximum mark for Section B is 25.
- The maximum mark for Section C is 30.
- Mark allocations are shown in brackets.
- You will be assessed on your ability to use an appropriate form and style of writing, to organise relevant information clearly and coherently and to use specialist vocabulary, where appropriate. The degree of legibility of your handwriting and the level of accuracy of your spelling, punctuation and grammar will also be taken into account.

**Advice**

- You are advised to spend about 40-45 minutes on Section B and about 40-45 minutes on Section C.
- Make sure that you hand in **both** your answer sheet for Section A **and** this answer book at the end of the examination.



**SECTION B**

Study the stimulus material provided on pages 12 and 13 of the other booklet.

Answer **all** the questions below in the spaces provided.

Marks allocations are shown in brackets.

**B1** In the stimulus material provided, what word or phrase is used for:

(a) man-made? **(Item A)**

.....  
(1 mark)

(b) moulds, mushrooms and toadstools? **(Item A)**

.....  
(1 mark)

(c) meals needing little preparation before being served? **(Item B)**

.....  
(1 mark)

(d) strong-tasting plants, dried leaves and seeds used in cookery? **(Item C)**

.....  
(1 mark)

**B2** (a) Explain what is mean by ‘environment’. **(Item A)**

.....  
.....  
.....  
(2 marks)

(b) Explain what is meant by ‘organic food’. **(Item A)**

.....  
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.....  
(2 marks)

○  
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4

(c) Explain what is meant by ‘promotion’. **(Item B)**

.....  
.....  
.....

(2 marks)

6

**B3** **Item B** shows a page from Burgermania’s proposed web page. Explain **three** ways in which the company tries to sell its products.

.....  
.....  
.....  
.....

(3 marks)

3

**B4** (a) Refer to **Item C**.

How many customers does a Burgermania Bar serve on average each day?

Show how you have arrived at your answer.

.....  
.....  
.....  
.....

(2 marks)

(b) When Bill Hughes finally retired, by how many times had his original investment in Burgermania increased?

.....

(1 mark)

(c) Bill Hughes, Burgermania’s founder, died in 1980 aged 90. In what year did he set up Burgermania?

.....

(1 mark)

4

Turn over ▶

**B5** A town council has to decide whether to allow a well-known burger chain to open a restaurant in the main street. What arguments can be made for **and** against allowing the restaurant to open?

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*(8 marks)*

      
8

### **SECTION C**

Answer **one** question, **EITHER** C1 **or** C2.

Look at Section C (pages 14-15) of the other booklet and write the answers to your chosen question. Remember to write the question number (C1 or C2).

Each question carries 30 marks.

Blank writing area with horizontal dotted lines.