

GENERAL STUDIES
Higher Tier
Paper 1

3761/1H

H

Monday 19 May 2003 1.30 pm to 3.30 pm

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 test 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 **three** questions, from which you are required to answer **one**.
- In **Sections B** and **C** you will be assessed for quality of written communication.

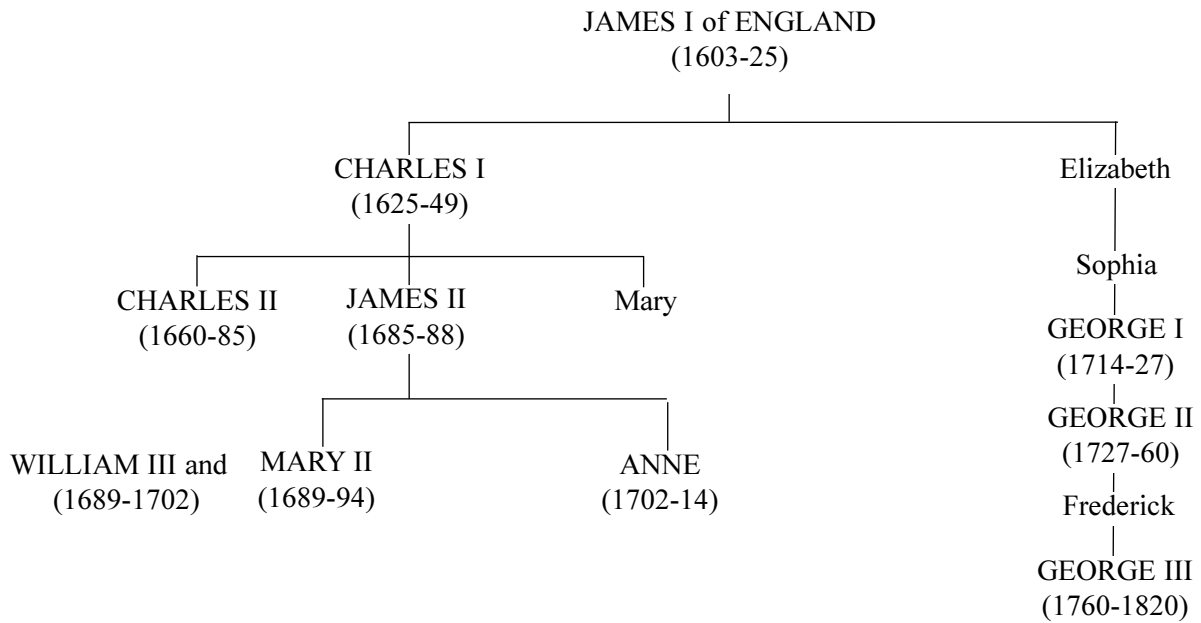
Advice

- 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 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**A meal out:**

Light and airy, the Travellers Restaurant would lift your spirits even on the darkest day. There was, however, a fatal flaw. Fifty happy eaters in full conversational spate assaulted the senses. The effect ricocheted from pillar to floor, back up to the ceiling and bounced off the windows.

The writer is complaining about

- A** light levels.
- B** sound levels.
- C** temperature.
- D** the quality of the food.

A4 To improve the situation outlined above, the restaurant owners could

- 1** put down carpet.
- 2** line the walls with absorbent material.
- 3** cover the ceiling with absorbent material.
- 4** put up curtains.

Answer

- A** if **1**, **2** and **3** only are correct.
- B** if **2** and **3** only are correct.
- C** if **2**, **3** and **4** only are correct.
- D** if all of them are correct.

TURN OVER FOR THE NEXT QUESTION

Turn over ►

A5

How the rest of Europe is coping with the Euro.

<p>Germany Value of Euro: 1.95 DM Last date for old currency: 31/12/02 Distribution problems mean some areas may not receive new notes and coins. Printed £200m of defective euros</p>	<p>France Value of Euro: 6.5 Fr Last date: 10/2/02 A tradition of hoarding cash means that France is now running out of francs as the banks start to print euros instead</p>
<p>Italy Value of Euro: 1936 L Last date: 28/2/02 Organised crime is already sizing up the new currency. Euro may destabilise Italy's finances</p>	<p>Spain Value of Euro: 166 Ptas Last date: 28/2/02 A frenzy to dispose of undeclared pesetas has led to a speculative property boom</p>

The best explanation of the text about Spain is that illegally earned pesetas have been

- A hidden in buildings.
- B sent abroad.
- C kept in secret accounts.
- D used to purchase houses.

A6 A woman had 1,000 units of each of the European currencies shown. Which currency would have given her the greatest number of Euros?

- A Italian Lira
- B French Franc
- C German Mark
- D Spanish Peseta

A7

A TURBULENT HISTORY			
DESPITE THE PERENNIAL AGONIZING OVER A POLITICALLY CORRECT VENUE, FEW OLYMPIC GAMES HAVE AVOIDED CONTROVERSY. HERE'S A SAMPLE			
1968	1976	1980	1984
MEXICO CITY	MONTREAL	MOSCOW	LOS ANGELES
CONTROVERSY			
Can the first third-world host cope?	New Zealand breaks the sporting ban in place against South Africa	The Soviet Union invades Afghanistan	Call it tit for tat
RESULTS			
Ten days before the games, the army kills over 260 student protesters	When New Zealand is allowed to play, 26 mainly African nations walked out	Led by the US, 61 countries stay at home	The Soviet Union and 7 European countries refuse to play ball

With reference to the above table, which Olympic Games saw the largest boycott?

- A Los Angeles
- B Montreal
- C Mexico City
- D Moscow

A8 Why did the Soviet Union pull out of the Los Angeles Olympics?

- A It was too expensive to send a team.
- B The Soviet Union invaded Afghanistan.
- C The USA led a boycott of the Moscow games.
- D It was a protest against New Zealand breaking the South African sports ban.

TURN OVER FOR THE NEXT QUESTION

Turn over ►

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.

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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.

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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Which of the following best describes a solar eclipse?

- A** The moon is partly obscured by the reflection of light from the earth.
- B** The sun and the moon in alignment 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 ►

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

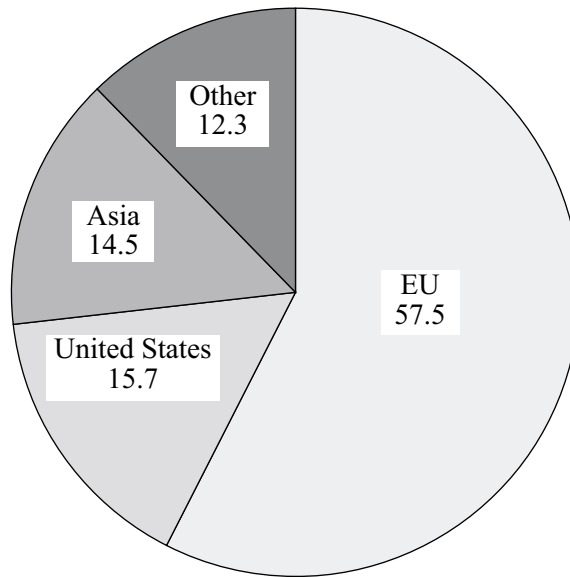
- A** Canary Current.
- B** North Equatorial Current.
- C** North Atlantic Drift.
- D** South Equatorial Current.

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

The pie chart below represents the percentage of Britain's trade with different parts of the world, in the year ending 2000.



Referring to the pie chart above:

If Britain's trade total was £500bn, the value of trade with the USA would be

- A** £61.5bn
- B** £72.5bn
- C** £78.5bn
- D** £287.5bn

A16 Britain's trade with South Africa would appear in the section marked

- A** Asia.
- B** EU.
- C** United States.
- D** Other.

Turn over ►

A17

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

A	London - Penzance 310 miles		
	By coach	By car	By train
Journey cost	£43.40	£30.00	£65.50
Cost per mile	14p	9p	21p
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
C	London - Edinburgh 413 miles		
	By coach	By car	By train
Journey cost	£61.95	£26.00	£90.00
Cost per mile	15p	6p	21p
D	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 adults 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?

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

A19 The UK's top ethical funds (by size)

The table (from *Geographical Magazine*, February 2000) is not reproduced here due to third-party copyright constraints.

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The fund with the greatest percentage increase over the period 1997-1999 is

- A** 2
- B** 4
- C** 5
- D** 6

A20 People with a conscience are likely to invest in ethical funds because they

- A** invest money with firms proven not to back arms traders, polluters and human rights abusers.
- B** invest money in new technologies such as GM, medicines from animal testing, communications.
- C** invest money ensuring the top returns for their clients.
- D** invest money in recycling companies only.

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

Item A about organic food (adapted from 'The Organic Super Site', John Murray) is not reproduced here due to third-party copyright constraints.

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Item B

Item B giving some UK farming statistics, adapted from learn.co.uk (The Guardian) is not reproduced here due to third-party copyright constraints.

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Item C

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

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

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

KID'S MEALS: EACH MONTH A NEW PROMOTION!

Done Internet

Burgermania's proposed web page

Item D

A VEGETARIAN DIET IMPROVES HEALTH

Research has shown that a well-balanced, low-fat, high-fibre vegetarian diet is healthier for you and your family.

As a vegetarian you could:

- * Reduce your risk from certain cancers by up to 40%;
- * Decrease the possibility of heart disease by over 30%;
- * Restrict your chance of suffering from kidney and gall stones, diet-related diabetes and high blood pressure;
- * Lower your cholesterol levels and reduce health problems due to obesity;
- * Avoid fatal diseases such as nvCJD, E. coli and food poisoning.

So why not eat your way to better health?

Source: The Vegetarian Society

SECTION C

Answer **one** question, **EITHER** C1, C2 or C3.

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

Each question carries 30 marks.

C1

Item E (showing the decreasing number of catholic marriages in England and Wales over 1981-2000) and Item F (drawings of two Cumbrian churches) are not reproduced here due to third-party copyright constraints.

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- (a) Why have most organised religions in the UK suffered from an overall fall in attendance in recent decades?
Explain how this trend might be reversed. *(10 marks)*
- (b) What are the arguments for **and** against using public money to repair and conserve places of worship thought to have architectural value? *(20 marks)*

C2

Item G

A First World War
cigarette advertisement

Source: Imperial War Museum

Item H

Advertising in
Piccadilly Circus,
London

- (a) **Item G** shows a World War I officer handing out cigarettes before his soldiers in the trench go ‘over the top’ to attack the enemy.

Explain the features of **Item G** which would make it unacceptable as an advertisement today.

(10 marks)

- (b) What are the positive **and** negative effects which advertising of all varieties has on society today?

(20 marks)

Turn over ►

C3

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

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- (a) ‘Animal testing should be banned.’ (**Item I**)

How far do you agree with this statement?

(10 marks)

- (b) What are the arguments for **and** against the hunting and shooting of wild animals and birds?

(20 marks)

END OF QUESTIONS

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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.

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

(a) people who buy goods or services for their own use?

..... (1 mark)

(b) growing a sequence of different plants on the same ground to maintain soil fertility?

..... (1 mark)

(c) meals requiring little preparation before being served?

..... (1 mark)

(d) the state of being excessively fleshy or fat?

..... (1 mark)

B2 (a) Explain what is meant by ‘herbicides’. (**Item A**)

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

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

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

(c) Explain what is meant by ‘nvCJD’. (**Item D**)

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

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4

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6

B3 (a) **Item C** shows a page from the Burgermania Company’s proposed website.
Explain **two** ways in which the Company tries to sell its products.

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

(2 marks)

(b) How could this web site page have been made more appealing and informative?

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

(2 marks)

—
4

B4 Refer to **Item B**.

(a) How many hectares of agricultural land are **not** farmed organically?
Show how you arrived at your answer.

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

(2 marks)

(b) On average, what size was an organic farm in the year 2000?

.....

(1 mark)

(c) Why might farming income have fallen again **after** the year 2000?

.....

(1 mark)

(d) A UK farmer earned £180 250 in 1995.
By 2000, his income had fallen by the national average for farmers.
How much less did he receive in the year 2000?
Show how you arrived at your answer.

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

(2 marks)

—
6

Turn over ▶

