

General Certificate of Secondary Education
June 2005



GENERAL STUDIES
Foundation Tier
Paper 1

3761/1FA

Tuesday 7 June 2005 9.00 am to 11.00 am

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 (for Sections A, B and C)

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 enclosed question paper/answer book.
- At the end of the examination hand in **both** your Section A answer sheet **and** your Section B and C answer book.

Information

- The maximum mark for this paper is 75.
- In **Sections B** and **C** you will be assessed for quality of written communication.

Advice

- You are advised to spend about 30 minutes on **Section A** and about 1 hour 30 minutes on **Sections B** and **C**.

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.

Each of the 20 questions carries 1 mark.

Questions A1 and A2

J.S. Bach was a composer of the Baroque era, who died in 1750, aged 65.

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A1 His famous melody which is now known as “Air on a G string” was originally written to be played by

- A** clarinets.
- B** organ.
- C** trumpets.
- D** violins.

A2 Which of these composers was his contemporary?

- A** Handel (1685-1759)
- B** Mozart (1756-1791)
- C** Beethoven (1770-1827)
- D** Brahms (1833-1897)

Questions A3 and A4



Source: *Leisure* by Martin and Whittle, Hutchinson, 1982

- A3** The message most likely being given in the image above is:
- A** Stonehenge is a great family day out.
 - B** Attractions must always have amenities provided.
 - C** Monuments can cope with any number of visitors.
 - D** Overcrowding is a major issue at popular tourist sights.
- A4** Stonehenge is an example of a 'honeypot site' for tourists. This is best defined as a place which
- A** is designed for huge numbers of tourists.
 - B** is very appealing to visitors.
 - C** has excellent cafes or refreshments.
 - D** requires people to pay to gain entry.

TURN OVER FOR THE NEXT QUESTION

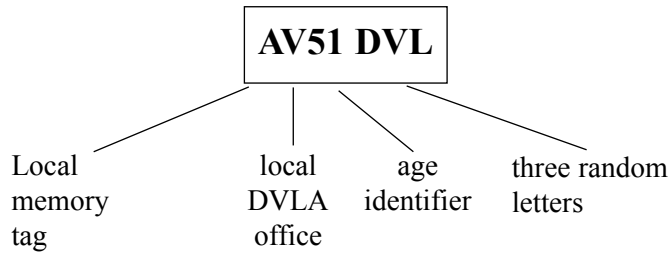
Turn over ►

Questions A5 and A6

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Questions A7 and A8

In September 2001 new style licence plates were issued by the Driver and Vehicle Licensing Agency (DVLA).



Local memory tag	DVLA office	Local identifier
A	Peterborough	ABCDEFGHIJKLMN
	Norwich	OPRSTU
	Ipswich	VWXY
B	Birmingham	A-Z

Year	March	September
2001	–	51
2002	02	52
2003	03	53
2004	04	54

A7 The local DVLA office for the number plate **AV51 DVL** is

- A** Peterborough.
- B** Norwich.
- C** Ipswich.
- D** Birmingham.

A8 The number plate **AB59 DVL** will be issued in

- A** 2009
- B** 2019
- C** 2029
- D** 2059

TURN OVER FOR THE NEXT QUESTION

Turn over ▶

Questions A9 and A10

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Questions A11 and A12

Vitamin	Sources	Function	Deficiency
D	Fatty fish Eggs Margarine	Ensure strong teeth and bones.	Can cause rickets.
K	Leafy vegetables Fruit Cereals Meat Dairy products	Essential to blood clotting.	Could cause internal bleeding.
A	Liver Eggs Yellow & orange fruit and vegetables Dairy products Fish oils	Helps bones to grow. Forms cells of the skin and internal linings of the body.	Dry skin. Slow growth in children.
E	Vegetable oils Nuts Seeds Cereals	Can prevent certain cancers and protect against heart disease.	Rarely found.
B	Cereals/wheatgerm/yeast Meat/fish Eggs Dairy products	Releases energy from food.	Loss of appetite. Poor healing.
C	Citrus fruits Strawberries Tomatoes Potatoes	Protects against infection and allergies.	Poor skin. Scurvy. Slow healing wounds.

A11 According to the table above, poor skin could be remedied by eating foods rich in vitamins

- A** A and C.
- B** A and D.
- C** B and C.
- D** D and E.

A12 Vegetarians eat neither meat nor fish. This may have an effect on vegetarians' intake of vitamins. Which of the following is true?

- A** Some vitamins can only be obtained from meat.
- B** All necessary vitamins can be obtained from a vegetarian diet.
- C** Eggs and cheese contain all of the necessary vitamins.
- D** Vitamin E is rarely found in the human body.

Turn over ►

Questions A13 and A14

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Questions A15 and A16

The following codes are taken from the Police and Criminal Evidence Act.

Code A	The exercise by police officers of their powers of stop and search.
Code B	Relating to the searching of premises by police officers and the seizure of property found by police officers on people or in premises.
Code C	Deals with the detention, treatment and questioning of persons by police officers. The Code is designed to ensure that all persons who are held in police custody are treated fairly and properly and in accordance with the law.
Code D	Deals with the procedure to be adopted for the identification of persons suspected to have been involved in a criminal offence by police officers such as by video identification or by an identification parade.

If the police do not follow the codes of practice, any evidence they obtain as a result may not be able to be used in court. This is because it might then be regarded as unreliable or unsafe.

A15 The code which deals with the way prisoners are treated is

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

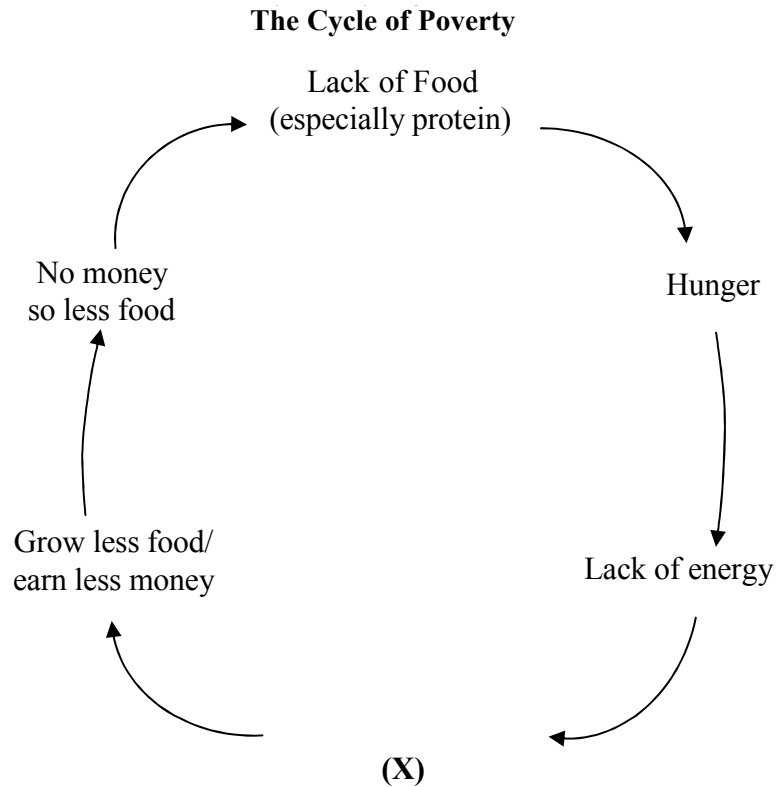
A16 The purpose of the codes is to ensure that the police

- A** always videotape people suspected of committing crimes.
- B** regard evidence gathered as unsafe.
- C** allow suspects to determine how interviews are carried out.
- D** apply standard practice to prisoners and evidence.

TURN OVER FOR THE NEXT QUESTION

Turn over ►

Questions A17 and A18



A17 The missing component (X) to complete this cycle is

- A often ill.
- B poor soil.
- C no education.
- D borrow money.

A18 Each of the following is a method of breaking the cycle of poverty **except**

- A education on farming methods.
- B improving food and seed storage.
- C restricting exports of grain.
- D eating more protein.

Questions A19 and A20

Emissions of Carbon Dioxide (CO₂) gas are the main cause of the Greenhouse Effect and Global Warming. CO₂ is emitted from burning fossil fuels but its effects can be worked out in terms of money (equivalent debt) and then off-set by planting trees which remove CO₂ from the atmosphere.

Each tree costs £5.00

A19 A car, driven 9000 miles in a year, produces 3.15 tonnes of CO₂. The effects of this CO₂ emission can be calculated as an 'equivalent debt' of £20.45. How many trees would have to be planted to off-set this emission completely?

- A 2
- B 3
- C 4
- D 5

A20 If the average mileage of the car above is 12 000 miles per year, how much CO₂ does it produce?

- A 3.75 tonnes
- B 4.2 tonnes
- C 4.5 tonnes
- D 6.8 tonnes

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

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Item B

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Item C

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Turn over ►

SECTION C

Answer **one** question, **EITHER C6 OR C7**.

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

Each question carries 30 marks.

C6**Item D**

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The picture showed two students smoking and a headline about the negative effect of a ban on smoking on the profits of a student bar.

Students object to smoking ban in student bar.

Item E

Source: Sara Cuff, *Lancashire Life*, February 2003

Drinks at a golf club's anniversary.

- (a) Explain **two** dangers caused by people smoking in public places. (4 marks)
- (b) 'Young people should not be allowed to drink alcohol until they are 21 years of age.'
How far do you agree with this statement? (8 marks)
- (c) Explain what causes people to drink to excess **and** explain the results of excessive drinking. In your answer you should consider advertising, cheap drinks, peer pressure, addiction, health issues and financial problems. (18 marks)

C7

Item F

The Source Material related to this Question is not reproduced here due to third-party copyright constraints. The full copy of this paper can be obtained by ordering Paper 1 Tier F (3761/FA/FB) from our publications section. Tel: 0161 953 1170.

Tower blocks of flats at Red Road, Glasgow

Item G

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Thatched cottages, Cracklington Haven, near Bude, Cornwall.

- (a) Give **two** reasons explaining why life in a city high-rise flat might be very difficult for an elderly person. *(4 marks)*
- (b) What are the main difficulties facing a young couple of teachers who have decided to live in the city. *(8 marks)*
- (c) 'Living in the countryside has far more advantages than disadvantages.' How far do you agree with this statement? In your answer you should consider air quality, lack of noise, open spaces, scenery, travel costs, shopping and facilities. *(18 marks)*

END OF QUESTIONS

Surname					Other Names				
Centre Number					Candidate Number				
Candidate Signature									

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General Certificate of Secondary Education
June 2005

GENERAL STUDIES
Foundation Tier
Paper 1 Sections B and C

3761/1FB

F



Tuesday 7 June 2005 9.00 am to 11.00 am

In addition to this paper you will require:

- the Section B stimulus material in the other booklet;
- the Section C questions in the other booklet.

You may use a calculator.

Time allowed: 2 hours (for Sections A, B and C)

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.
- At the end of the examination hand in **both** your answer sheet for Section A **and** this answer book .

Information

- The maximum mark for Section B is 25.
- The maximum mark for Section C is 30.
- Mark allocations are shown in brackets.
- In Sections B and C, 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.

For Examiner's Use			
Number	Mark	Number	Mark
B1			
B2			
B3			
B4			
B5			
C6			
C7			
Total (Column 1)			
Total (Column 2)			
TOTAL			
Examiner's Initials			

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.

Mark allocations are shown in brackets.

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

(a) a ‘greenhouse gas’ caused by burning fossil fuel? **(Item A)**

.....
(1 mark)

(b) the network of high voltage power lines connecting major UK power stations? **(Item A)**

.....
(1 mark)

(c) a highly toxic metal used in nuclear weapons? **(Item B)**

.....
(1 mark)

(d) the act of recycling spent radioactive fuels? **(Item C)**

.....
(1 mark)

B2 (a) Explain what is meant by ‘redundant nuclear facilities’. **(Item A)**

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

(b) Explain what is meant by ‘Greenpeace campaigners’. **(Item B)**

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

(c) Explain what is meant by ‘nuclear weapons’. **(Item C)**

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

—
4

—
6

B3 Explain **three** ways in which the Sellafield nuclear site has posed a threat to those living nearby.
(Item B)

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

(3 marks)

—
3

B4 Refer to **Item A**.

- (a) On average, each BNFL employee earns £35 000 a year.
A billion is 1 000 000 000.
What percentage of BNFL’s annual turnover is spent on pay?
Show how you arrived at your answer.

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

(2 marks)

- (b) How many countries do **not** have BNFL employees running any of their nuclear reactors?

.....

(1 mark)

- (c) Approximately how much more carbon dioxide would be given off into the atmosphere if coal-fired generators replaced all the nuclear-powered generators?

.....

(1 mark)

—
4

TURN OVER FOR THE NEXT QUESTION

Turn over ▶

SECTION C

Answer **one** question, **EITHER C6 or C7**.

Look at Section C (pages 14-15) of the other booklet and write the answers to your chosen question in the space below. Remember to write the question number (C6 or C7).
Each question carries 30 marks.

You should answer this question using continuous prose.

A series of horizontal dotted lines provided for writing the answer to the question.

Turn over ▶

Blank lined area for writing with horizontal dashed lines.

A large rectangular area with horizontal dotted lines, intended for writing or drawing.

Turn over ▶

Blank writing area with horizontal dotted lines.