Edexcel
Functional Skills

Centre Number | Candidate Number

English
Level 2
Component 2: Reading

06–10 February 2012
Time: 45 minutes

Paper Reference
E202/01

You may use a dictionary.

Total Marks

My signature confirms that I will not discuss the content of the test with anyone until the end of the 5 day test window.

Signature: _____

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Sign the declaration.
- Answer **all** questions.
- Answer the questions in the spaces provided
  – *there may be more space than you need*.

Information

- The total mark for this paper is 25.
- The marks for **each** question are shown in brackets
  – *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ▶

P40704A0112

PEARSON

Read Text A and answer questions 1 – 6.

Text A

You read this factsheet at your local library.

Global Warming

Global warming is caused by an increase in certain gases building up in the atmosphere. These are known as greenhouse gases and are produced by human activities. What are these human activities?

Deforestation (forest clearance) – As trees grow they take in *carbon dioxide* (CO_2) from the air. This is the main greenhouse gas. When trees die CO_2 is returned to the air. Forest clearance and wood burning add to the CO_2 in the atmosphere. The loss of forests also means that there are fewer trees to absorb CO_2. Deforestation creates about 50% of the yearly total of CO_2 released into the atmosphere.

Burning of fossil fuels: coal, oil and gas – These fuels are burned in cars, factories and power stations. As we use more energy we are releasing more CO_2 into the atmosphere. In other words, every time you leave a light on in an empty room, leave the TV on standby or forget to switch off your computer you are adding to global warming.

Farming – Some farming activities release another greenhouse gas – *methane*. Since the 1960s the amount of methane in the air has increased by 1% per year – twice as fast as the build up of CO_2. A methane particle traps 30 times more heat than a CO_2 particle and survives in the atmosphere for 10 years.

Using fridges, air conditioners, aerosols, etc. – These produce the most harmful greenhouse gases, known as *chlorofluorocarbons* (CFCs). A CFC particle traps 10 000 times more heat than a CO_2 particle and stays in the atmosphere for 110 years. This means that CFCs cause much more damage than the other gases.

Why does all this matter?

If no action is taken the greenhouse effect could lead to a rise in average global temperatures of between 1.5 – 4.5 degrees Celsius as early as the year 2030. This is bound to have a major impact on how we live and work. Global warming is the biggest problem the world faces today.

P40704A0212

1 What is the **main** purpose of Text A?

You do **not** need to write in sentences.

....

....

(Total for Question 1 = 1 mark)

Answer questions 2 and 3 with a cross in the box ⊠. If you change your mind about an answer, put a line through the box ⊠ and then mark your new answer with a cross ⊠.

2 According to Text A, what is the yearly percentage of CO_2 released into the atmosphere through deforestation?

⊠ **A** 6 per cent

⊠ **B** 10 per cent

⊠ **C** 25 per cent

⊠ **D** 50 per cent

(Total for Question 2 = 1 mark)

3 According to Text A, which **one** of the following statements is true?

⊠ **A** There is less CO_2 than CFCs in the atmosphere.

⊠ **B** Methane particles survive for 110 years in the atmosphere.

⊠ **C** A methane particle traps 30 times more heat than a CO_2 particle.

⊠ **D** A CFC particle traps 1,000 times more heat than a CO_2 particle.

(Total for Question 3 = 1 mark)

4 According to Text A, give **two** ways CO$_2$ is released into the atmosphere.

You do **not** need to write in sentences.

1 ....

....

2 ....

....

(Total for Question 4 = 2 marks)

5 Place a tick in the correct column for **each** of the six statements to show which are presented in the article as facts and which are opinions.

	Fact	Opinion
As trees grow they take in carbon dioxide.		
CO$_2$ is the main greenhouse gas.		
Since the 1960s the amount of methane in the air has increased yearly by 1%.		
Global warming is bound to have a major impact on the way we live and work.		
Global warming is the biggest problem the world faces today.		
Fridges, air conditioners and aerosols produce CFCs.		

(Total for Question 5 = 3 marks)

6 In Text A the writer claims that global warming is due to human activities.

Give **two** ways in which the writer supports this viewpoint.

You do **not** need to write in sentences.

1 ....

....

2 ....

....

(Total for Question 6 = 2 marks)

TOTAL FOR SECTION A = 10 MARKS

SECTION B

Read Text B and answer questions 7 – 11.

Text B

For environmental reasons you are considering buying a bicycle. You find this article on the internet.

---

cycle for transport

http://www.getonyourbike.org.uk

File   Edit   View   Favorites   Tools   Help

Page ▾   Tools ▾

GET ON YOUR BIKE

working for cycling

Join us
Renew Membership
Member Login

About us
Go Cycling
What I Need
Campaigning
Bikes & Bits

Road & Touring
Off Road
Commuting

News & Publications
Cycle Training
Activities & Events
Games & Clubs

Get on your bike!

Cycling is pollution-free, noise-free and congestion-free. Every time you choose the bike in preference to the car you are reducing your CO_2 footprint. As well as environmental benefits, there are benefits for you personally.

Why cycle?
- Cycling is the fastest mode of urban transport and delivers the fastest door-to-door journey in urban areas, according to all independent studies.
- Average motor traffic speed in our towns and cities is now less than half the average cycle speed.
- When cycling there are no delays of walking to and from car parks, bus stops and train stations, so you are saving time you would normally have wasted.
- Only walking is 100% efficient. However, cycling runs a close second as the mode where you spend well over 90% of the journey time making progress from A to B.
- Cycling eliminates waiting at a bus stop for your connection or driving around looking for a parking space, and queuing to get in and out of a big car park.

Get on your bike is a voice for cyclists to lobby for action. We want to ensure that all cycle journeys on public roads can be made conveniently and safely by arguing for more cycle lanes to make our cities safer for cyclists.

Another of our current campaigns is to lobby for more dedicated cycle routes in towns and cities to make it easier for cyclists to get around.

If you want to convince others – the government, employers, etc – take time to look at our <u>campaigning pages</u>.

Internet   100%

7 What is the **main** purpose of Text B?

You do **not** need to write in sentences.

....

....

(Total for Question 7 = 1 mark)

8 Give **three** features of Text B that help to convey information.

You do **not** need to write in sentences.

1 ....

....

2 ....

....

3 ....

....

(Total for Question 8 = 3 marks)

9 From Text B, give **two** cycling issues that *Get on your bike* is campaigning for.

You do **not** need to write in sentences.

1 ....

....

2 ....

....

(Total for Question 9 = 2 marks)

10 According to Text B, where can you find out more about *Get on your bike* campaigns?

You do **not** need to write in sentences.

....

....

(Total for Question 10 = 1 mark)

11 Your friend works in a city and is thinking about using a bicycle.

Using Text B, give **three** reasons why using a bicycle in a city is a good idea.

You do **not** need to write in sentences.

1 ....

....

2 ....

....

3 ....

....

(Total for Question 11 = 3 marks)

TOTAL FOR SECTION B = 10 MARKS

BLANK PAGE

SECTION C

Read Text C and answer questions 12 – 14.

Text C

You find three adverts for second-hand bikes.

Mountain bike for sale – nearly new.

Asterias Mountain Bike in excellent condition.
Ideal as a starter bike for off-the-road riding
or general recreational riding.
Front suspension forks and 18-speed gearing
make the ride smooth over most surfaces.
Bike can be altered for those still growing!

£100. Tel 07563458765 (after 5.00pm)

Advert 1
Local shop window

Advert 2
Classified advert in
newspaper

**Brand new Adult Road Bike for sale
Never used – unwanted present**

**Lightweight aluminium frame with
16-speed gearing.**

22" wheels with good grip tyres.
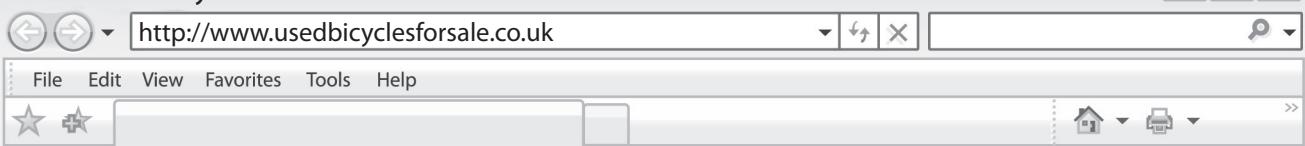
Safety helmet, night lights and reflective
strips and security lock included.

only £125. 08765435645

Advert 3
Online

www.usedbicyclesforsale.co.uk

http://www.usedbicyclesforsale.co.uk

File   Edit   View   Favorites   Tools   Help

Folding bike for sale – 6 gears. In good condition. Ideal for city centre
cycling. A very light bike that can be folded and carried easily. Steering and
saddle can be adjusted to suit. Water repellent saddle bag with rain cover
and high visibility jacket included in the price.
£99 – Contact seller on 013275667865

12 Your friend works in the city and has £100 to buy a bike.

Which of the bikes in Text C is the most suitable?

Remember to give the number of the advert in your answer.

You do **not** need to write in sentences.

....

....

(Total for Question 12 = 1 mark)

13 A member of your family would also like a bike. She will be cycling in the early evening, when it is starting to get dark.

Which of the bikes in Text C is the most suitable?

Remember to give the number of the advert in your answer.

You do **not** need to write in sentences.

....

....

(Total for Question 13 = 1 mark)

Question 14 begins on next page.

14 Consider the information provided in the three adverts in Text C. Based on this information, which bike would you choose to go and look at?

Give **three** reasons. Your reasons **must** refer **only** to the advert you choose.

Remember to give the **number** of the advert in your answer.

You do **not** need to write in sentences.

Number of advert

....

Reason 1

....

....

Reason 2

....

....

Reason 3

....

....

(Total for Question 14 = 3 marks)

TOTAL FOR SECTION C = 5 MARKS
TOTAL FOR PAPER = 25 MARKS