

## PAPER 1 LISTENING

**Time: 15 minutes**

*You are going to listen to the article about solar power - how it can be used. Decide whether the statements 1-10 are True (A), False (B) or the fact is not mentioned (C) according to the text you hear. Circle the correct option (A, B or C) in your answer sheet. You will hear the text twice.*

The narrator says that:

1. A solar oven appeared in Europe long ago.
2. Water in tubes heats up in contact with sunlight.
3. A university student who invented a solar-powered handbag was very happy.
4. Photovoltaic cells help to operate satellites in space.
5. A lot of buildings were ruined after the earthquake in Kashmir.
6. The cars of car designers crossing Australia can use both solar power and petrol.
7. Portable solar panels weigh 25 grams.
8. Large solar panels can cover buildings to give people electric power.
9. Turbines in a solar tower in Australia will create much electricity.
10. The best way of using solar power is to make your house face east.

<b>Transfer your answers to the answer sheet!</b>
---

## PAPER 2 READING

**Time: 30 minutes**

*For items 1-15 read the texts A and B and decide whether the statements (1-15) refer to the text A (A), B (B), or both (C), or neither (D). Circle the correct option (A, B, C or D) in your answer sheet.*

### **A**

Thinking of getting somewhere in a hurry? A new gadget from a company called Chaotic Moon Labs proves that the future of travel is only limited by the imagination. A skateboard they have developed, aptly named the Board Of Imagination, takes commands directly from the rider's brainwaves and transfers them to a motor that propels the board forward. You just think of a destination, and how fast you would like to get there, and the Board Of Imagination will set off – hitting a top speed of around 50km per hour. If you think that's too fast, it will slow down.

On the video, the general manager of Chaotic Moon Labs (who calls himself "Whurley") demonstrates how the board is handled. He gets on, looking relaxed and confident. Then, the board seems to take off of its own accord. As he puts it through its paces, he manages to hit fairly high speeds. The computer can be seen attached to the front of the board, and the motor is underneath. Whurley compares the process to imagining pulling yourself along with a rope. If you 'see' the destination in your mind, and how fast you want to get there, the Board Of Imagination's gadgetry will do the rest.

The whole concept started with another motorized board, called the Board of Awesomeness. That gadget used a tablet computer and an adapted computer games console to analyze hand movements. These were then converted into commands for the motor. The new version is more sophisticated and uses a special wireless headset which can detect signals from the brain and process them.

### **B**

Tim Freeman was just twelve years old when he came up with a revolutionary idea that would make school buses more energy efficient. This would not only save money, but also help the environment. Five years later, the schoolboy finally saw his dream come true.

It all began when Tim did a short summer course on aerodynamics, the study of the movement of air around objects. This prompted him to look for a way to use what he had learnt. He realized that the perfect candidate was his school bus.

By the time Tim was fifteen, he had set up a team of young engineers like himself, and been helped by his sister and his local community to obtain another grant to develop his idea further. While Tim and his team were able to build the initial versions, they soon realized that they needed some expert help to really get going. So they began writing to local universities to see if anyone would provide the

advice and knowledge they needed. The person who volunteered was the one who inspired Tim to start thinking about the project in the first place.

The final version of Tim's invention looks rather different from his original idea. Instead of a transparent piece of plastic that covers the windscreen of the bus, it is a smooth ramp-shaped "hat" that gets fixed to the roof of the bus. This design provides the same benefits but costs less to manufacture and install. In tests done on virtual and real roads it has helped increase the efficiency of school bus fuel use by 10-20%. Maybe this ingenious device will eventually help other buses and even cars become more fuel-efficient!

1. Power-saving technologies are applied in a new invention.
2. Man has developed plenty of useful kitchen gadgets.
3. People can move very fast with the help of this invention.
4. It was operated with hand movements from a former computer games console.
5. Modern inventions make our life better in its different aspects.
6. The windscreen has been broken as a result of the car crash.
7. The engine used in the vehicle is fixed under it.
8. The importance of the invention was recognized by the surrounding people.
9. The brain can be compared to the computer.
10. The inventor knew the expert.
11. The initial version of the gadget differed from the final one.
12. The only problem is that users really have to keep their minds focused to operate the invention.
13. Transparent plastic would help to redirect the flow of air around the bus and thus make it move forwards more easily.
14. A group of people worked on the invention.
15. The inventor was sponsored, because the result was expected to be effective.

<b>Transfer your answers to the answer sheet!</b>
---

## PAPER 3 USE OF ENGLISH

Time: 25 minutes

*Part 1. Complete the second sentence so that it has a similar meaning to the first sentence, using the word given. Do not change the word given. You must use between two and five words, including the word given.*

1. You must do exactly what the teacher tells you.

**carry**

You must \_\_\_\_\_ instructions exactly.

2. So that Susan would be fit for the skiing, she went to the gym three times a week.

**order**

Susan went to the gym three times a week \_\_\_\_\_ fit for the skiing.

3. It's not worth inviting her to the party. She will never come.

**point**

There \_\_\_\_\_ in inviting her to the party. She will never come.

4. She had to finish her homework before she went out.

**until**

She had to stay in \_\_\_\_\_ her homework

5. Jo had not expected the film to be so good.

**better**

The film \_\_\_\_\_ had expected.

6. If Patrick does not arrange some more lessons, he will never pass his driving test.

**does**

Patrick will never pass his driving test \_\_\_\_\_ some more lessons.

### PAPER 3 USE OF ENGLISH

*Part 2. For questions 7-16, read the text below. Use the word given in capitals at the end of each line to form a word that fits in the space in the same line.*

#### The Ideal Speech

Giving the ideal speech is a matter of (7) ..... in yourself and in what you're going to say. This may be (8) ..... said than done, but part of the answer lies in your careful (9) ..... Not down your key points, (10) ..... on postcards or other small slips. Don't make the mistake of trying to script your speech word for word. You may gain a sense of (11) ..... from doing this but when you come to deliver your speech it will sound (12).....

Keep it brief. It's no good saying afterwards, "I delivered it well but they fell asleep." To grab their (13) ....., begin your speech with a few arresting thoughts or phrases, but steer clear of jokes. As a (14) ....., you'll show your (15) ..... in your face as you wonder whether your joke will succeed. Be a top-class speaker – not an amateur comedian!

CONFIDENT  
EASY  
PREPEARE  
PREFER  
SECURE  
NATURE

ATTEND  
BEGIN  
NERVOUS

## PAPER 4 WRITING

**Time: 30 minutes**

You have found the following text in the Internet. Comment on this piece of information:

*I know some scientists perform experiments on animals. They say, it will help to solve a great number of problems humans and wildlife are facing nowadays.*

*I refuse to accept that point blank! It's cruel and absolutely unnecessary.*

*Linda Green*

Write 100 -120 words. Remember to

- make an introduction;
- express your personal opinion for and against making experiments on animals and give reasons for your opinion;
- make a conclusion.

Write in your own words. DO NOT quote from the given text.