

Всероссийская олимпиада школьников по английскому языку.

Школьный этап. 2022-2023 уч. год.

Задания для участника (9-11 классы)

Время выполнения – 155 минут. Максимальное количество баллов – 90 баллов

**LISTENING - 10 баллов (1 балл за правильный ответ), 15 минут**

**Task 1. Listen and complete the table below. Write NO MORE THAN THREE WORDS for each answer. The recording is played TWICE. Write your answers IN CAPITAL LETTERS on the separate answer sheet.**

**People interested in sharing the flat.**

Name	Job	Description	Special Requirements
<b>Example:</b> Phil Parrot	1) ..... teacher	2) ..... too health conscious	3) ..... (because of equipment)
David 4) .....	lawyer	older quiet 5) .....	to pay less for gas and electricity
Leo Norris	6) .....	funny lazy not 7) ..... or ..... outdoor type	somewhere to keep his 8) .....

**Questions 9 and 10.**

**Complete the notes below. Write no more than THREE WORDS AND/OR A NUMBER for each answer.**

Leo's phone number (mobile) 9) .....

Leo would like to move in on 10) .....

**Task 1. Read the passage below and answer questions 1–14. Write your answers IN CAPITAL LETTERS on the separate answer sheet.**

## **An Eco-House for the Future**

### **A journalist's reports on his visit to a model home**

Imagine a house that switches the lights off for you when the sun comes out; a house that will tell you, while you are at work, that your son has left his Xbox on, a house built with such smart materials that even the paints used on its walls have insulating properties.

This house actually exists - at least as an experimental model - on parkland just north of London in the UK. Currently being tested by scientists at the Building Research Establishment (BRE), it holds out a fascinating glimpse of the kind of energy-saving gadgets and materials which we can expect to see inside our homes in just a few years' time.

I am visiting the prototype house on a chilly November day. From the outside, the large, angled conservatory roof looks like conventional glass. From inside, however, each pane of glass now reveals that it has tiny wires embedded inside it, because it is part of a 5-kilowatt solar electricity circuit. These panes of glass, although transparent, are shaded orange, which is the best colour for tracking ultraviolet light. The colour is slightly confusing, as if a sodium street light were shining directly overhead.

According to John O'Brien, a scientist at the BRE, 'The development of eco materials is moving at such a rapid rate that we have moved from the conventional opaque, blue-coloured solar collectors that you normally see on roofs, to these transparent orange-coloured panes of glass. Very soon, manufacturers will be able to make colourless glass collectors, and then every office, and ultimately every home in the country would, in theory, be able to generate its own electricity unobtrusively.'

Not only is the conservatory roof a giant solar electricity generator, but, acting as a buffer between the main living quarters of the house and the outside, it operates as a 'solar space'. In winter, its design captures warmth from the low-hanging sun and

warms the air inside, protecting the rest of the house from the cold. However, as with all solar panel systems it is affected by seasonal variations, generating more than it needs in the summer and less than it needs in the winter, an obvious weakness in the technology.

‘People used to think that the only way to store excess electricity was in batteries,’ says O’Brien. ‘This is both inefficient and cumbersome: you would need a battery the size of a submarine buried under the house to provide electricity to last the winter.’ However, the BRE is currently working with partners on storing solar electricity as heat, which is converted back to electricity when needed. ‘This development is still a fair way off, but one day it will be achievable. It will avoid the main disadvantage of solar electricity, which is that, in northern latitudes like our own, it doesn’t provide electricity when it is most needed.’

Inside the house, motion and light sensors ensure the most efficient use of the low-energy lighting system. In addition, ‘smart plugs’, which are enabled by a smartphone app, allow socket-by-socket monitoring of electricity use. O’Brien tells me that not only would I be able to find out, remotely, whether my son has left his computer on, but I could also remotely shut it down.

The BRE Smart Home is a renovated house which was originally built in 1988. While the existing walls still perform well, before the refurbishment this year the so-called ‘House of the Future’ only scored an E on current Energy Performance rating. Now it has an A/B rating (the highest), so the Smart Home demonstrates just how much energy-efficiency technologies have improved in a short space of time.

‘When it was first built, this house was at the cutting edge of technology, but a lot of the original materials and designs have become outdated,’ says O’Brien. He points to the original rainwater-harvesting system, which has become obsolete. ‘The water was collected underground, but the pumps failed and leaves clogged up the system,’ he says. The refurbished house uses a rainwater tank which is located under the edge of the roof instead. It is a wide, shallow collector that distributes the weight of the water evenly inside the roof. This means it will feed the toilets and other appliances by gravity rather than needing a pump, which can go wrong. Futuristic materials are also being tested in the house. They include the hi-tech wall paints, as well as insulating panels which are embedded in paraffin-wax. Here store heat in the day and release it at night.

I have caught a glimpse of the future, and it’s full of energy-saving opportunities.

Look at the following features of the house and the list of functions below.  
Match each feature (1-4) with the correct function (A-F).

- 1) wall paints .....
- 2) glass panes .....
- 3) movement and daylight sensors .....
- 4) smart plugs .....

**List of functions**

- A control the electric lighting
- B control the water supply
- C convert heat to electricity
- D contain a section of the power network
- E check energy consumption at individual power points
- F prevent heat from escaping

Complete the notes below. Choose *ONE WORD ONLY* from the passage for each answer.

**The water supply**

1998: The smart Home was built.

Rainwater was collected from beneath the ground.

Problems: The 5)..... stopped working.

The system was blocked by 6)..... .

**Present day:** Rainwater is collected under the house's 7)..... .

It supplies the toilets, etc. using 8)..... .

Complete the test task. Do the following statements agree with the information in the reading passage? Write

*TRUE* if the statement agrees with the information

*FALSE* if the statement contradicts the information

*NOT GIVEN* if there is no information on this

9) In future, all homes and offices will have glass planes which are orange.

10) The solar panels on the experimental house produce as much heat in the winter as in the summer.

- 11) The BRE and others are trying to find an alternative to batteries for strong electricity.
- 12) At present, no one lives in the BRE Smart Home.
- 13) The smart Home is more energy-efficient now than when it was first built.
- 14) There are plans for the Smart Home to collect wind energy soon.

**Task 2. Order the speech. The beginning and ending have been done for you.**

(0) A

15) .....

16) .....

17) .....

18) .....

19) .....

20) .....

21) .....

22) .....

23) .....

24) .....

25) .....

26) .....

27) .....

28) .....

29) .....

(00) Q

A) (0)As you know, I am looking to take over from Sir Richard Cookson as this company's chairman. Sir Richard has publicly stated that he has no intention of standing down and challenged me to come before you and state my case. So here I am. I think you all know who I am. I was chairman of this company fifteen years ago. I freely

- B) honest leader but also a consummate and skilful businessman. Indeed he is so highly
- C) aware that Sir Richard has done a grand job since I was forced to resign. This company is in great shape and for the last six years has made record profits. Thanks to a vastly
- D) admit that during my brief time at the helm of this company I failed
- E) available even in the most isolated and sparsely
- F) regret many of the decisions that I made. I should never have sacked the company accountant and taken charge of the financial side of things myself. You may remember that under my leadership this company borrowed so
- G) expensive that we sold next to nothing for a period of eighteen months. I can but apologise
- H) miserably as both a businessman and a leader. I was young and now, looking back, I deeply
- I) improved distribution system, its products are readily
- J) heavily that we had to sell off all of our assets to pay off our debts. I'm sure you will remember that we very
- K) thought of that he has won businessman of the year on three separate occasions and was knighted last year. There can be no denying that he richly
- L) profusely for the pain and torment shareholders must have suffered when their shares plummeted to such an extent that they were almost worthless. But, gentlemen that is the past. I am no longer the naive young man I used to be. I am back and I have returned with a vision of change. Change, gentlemen. Radical, magnificent change. Change that, as I am sure you all agree, is long
- M) overdue. The first change is to say goodbye to Sir Richard. I am of course well
- N) needed saving. I recognise that Sir Richard is not only a scrupulously
- O) nearly went bankrupt when I decided to double the price of all our products. It pains me to recall the days when our products were so prohibitively
- P) populated corners of this island. I know that all this is down to Sir Richard Cookson, the man who came to this company's rescue when it so desperately

Q (00)       deserves the praise that has been heaped upon him. But I can do better. I can take this company further than Sir Richard. I have learnt, gentlemen, learnt valuable lessons while I have been away. Sir Richard lacks vision, lacks drive. Under my leadership this company could double, no, triple its profits. How? you may ask. The answer is simple. Very simple. All we have to do is double our prices and borrow some money from the bank.

**Task 1. For questions 1-10, complete the text with suitable prepositions. Write your answers IN CAPITAL LETTERS on the separate answer sheet.**

**Buses in Singapore**

1)..... the last 11 years, wheelchair-accessible buses have been serving more routes right 2)..... the island. 3) ..... 2015, 85 percent 4) ..... the bus fleet has been fitted 5) ..... ramps. We aim to have all buses fully wheelchair accessible 6) ..... the next few years. All bus stops 7) ..... Singapore provide bus route information guides to help you plan your journey 8) ..... your destination. Several bus stops are equipped 9) ..... real-time bus arrival information, to keep commuters better informed. You can use a mobile app to get more information 10) ..... bus arrival times.

**Task 2. For questions 10-16 complete the spaces by finding one word which fits in all three sentences. Write your answers IN CAPITAL LETTERS on the separate answer sheet.**

11) The ..... to ban fox hunting was rejected by five votes.

And now we'll see the goal again in slow .....

The constant swaying ..... of the ship made Jan feel sea sick.

12) We are very pleased with Susan's effort – she ..... herself very well to the task in hand.

Incidentally, the comment I have just made to Smith ..... equally to everybody in this room.

I really hope my sister ..... for that new job; she will be so good at it.

13) The actor's performance was a highly ..... mix of songs, poetry and stories.

My ..... plan was to drive to Greece, but I eventually decided it was too far.

There is a copy in an art gallery in St. Petersburg, but the ..... painting was lost many years ago.

14) When this party was elected to power, it was a ..... moment in the history of the country.

The company director refused to resign, even though the report was ..... of his working performance.



Recent research has shown that diet is ..... to the prevention of many types of cancer.

15) After quarrelling with David, Martina was ..... to tears.

Tom stopped to take a ..... look at the car.

In such sweltering heat, it was unbearably ..... and humid on the underground.

16) Jane's father ..... with rage when she told him that she had been dismissed.

Events in oil-producing countries ..... the confidence of investors.

The lion ..... its magnificent mane and gave an almighty roar.

**Task 3. If you think the word or phrase in bold is wrong, correct it and write the new word or phrase. Write your answers IN CAPITAL LETTERS on the separate answer sheet.**

17) He was in Dubai for work, but he had to **cut** the trip **down** because his wife was taken ill.

18) We're going on a **parcel** holiday.

19) What was your **travel** to Hong Kong like?

20) We never bother to **take on** travel insurance when we go on holiday.

21) What time are you **setting away** tomorrow morning?

22) The resort was far too **touristic** for us.

23) Our hotel is up in the hills and completely **off the bitten track**.

24) There are two flights to New Zealand – a direct one (which is more expensive) and another one with a **stayover** in Bangkok.

25) I think the cathedral is **overstated**. It's not as nearly beautiful as people say.

**Task 4. Translate the following expressions into Russian. Write your answers IN CAPITAL LETTERS on the separate answer sheet.**

26) watery eyes

27) aerated chocolate

28) academic year

29) instant coffee

30) moral law

31) pine nuts

**WRITING - 20 баллов, 50 минут**

The regional teenagers' magazine has announced the competition.

We are offering a prize for the best article!

Offer 2 new subjects that you think should be taught at schools.

Why do you think these subjects might be interesting for students to study?

What difficulties might teachers face when teaching these subjects?

Remember to write an introduction and a conclusion. Remember to give a title.  
Involve the audience.

Write your answer in 200-280 words in a neutral style.