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| **SỞ GIÁO DỤC VÀ ĐÀO TẠO** | **ĐỀ KHẢO SÁT CHẤT LƯỢNG LỚP 12** |
| **HÀ NỘI** | **NĂM HỌC 2020 - 2021** |
| ĐỀ CHÍNH THỨC | **MÔN: TIẾNG ANH** |
| *(Đề thi có 06 trang)* | *Thời gian làm bài: 60 phút, không kể thời gian phát đề* |

*Họ, tên thí sinh:* ……..,

*Số báo danh:* …….

***Mark the letter A, B, C, or D to indicate the word whose underlined part differs from the three in pronunciation in each of the following questions.***

**Question 1. A.** looked **B.** decided **C.** finished **D.** helped

**Question 2. A.** preservation **B.** reputation **C.** respectable **D.** presentation

***Read the following passage and mark the letter A, B, C or D on your answer sheet to indicate the correct answer to each of the questions.***

Robots are useful for exploring and working in space. In particular, many robots have been sent to explore Mars. Such robots have usually looked like a box with wheels. Though these robots are useful, by their very nature they are unreliable, extremely expensive, and they break easily. Also, they cannot do many tasks. Because of these problems, scientists have been developing a new and unusual kind of robot. These new robots move like snakes, so they have been given the name "snakebots."

The way a snake is shaped lets it get into very small spaces, like cracks in rocks. It can also push its way below the ground or climb up different kinds of objects, like high rocks and trees. Such abilities account for the usefulness of a robot designed like a snake. A snakebot would be able to do these things, too, making it much more effective than regular robots with wheels, which easily get stuck or fall over. Since **they** can carry tools, snakebots would be able to work in space, as well. They could, for example, help repair the International Space Station.

But how can such a robot shape be made? A snakebot is built like a chain made of about thirty parts, or modules. Each module is basically the same in that they all have a small computer and a wheel to aid movement. The large computer in the "head" of the snake makes all of the modules in a snakebot work together.

The modular design of the snakebot has many advantages. If one module fails, another can be added easily. Snakebot modules can also carry different kinds of tools, as well as cameras. Since each module is actually a robot in itself, one module can work apart from the rest if necessary. That is, all the modules can separate and move on their own, and then later, reconnect back into a larger robot. Researchers are also trying to develop snakebots made of a special kind of plastic that can change its shape using electricity, almost like animal muscles. Snakebots made with this plastic will be very strong and hard to break

Overall, the snakebot design is much simpler than that of common robots. Thus, snakebots will be much less expensive to build. For example, a robot recently sent to Mars cost over a hundred million dollars, whereas snakebots can cost as little as a few hundred dollars. With their versatility and affordability, snakebots seem to be the wave of the future, at least as far as space robots are concerned.

**Question 3.** What is the focus of this reading?

**A.** Similarities between snakes and robots.

**B.** How snakebots were invented.

**C.** What a snakebot looks like and can do.

**D.** The mission of the first working snakebot.

**Question 4.** What does the word in bold **"they"** in the second paragraph refer to?

**A.** Wheels **B.** these things **C.** snakebots **D.** regular robots

**Question 5.** Which of the following best describes the attitude of the author toward the new kind of robot?

**A.** admire **B.** disapprove **C.** criticize **D.** appreciate

**Question 6.** Why are snakebots useful for exploring other planets?

**A.** They can fly. **B.** They have many modules.



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**C.** They will be made of plastic. **D.** They can move freely.

**Question** 7. What could cause a snakebot to fail?

**A.** If all its modules were broken **B.** If its head came off

**C.** If its tail were broken **D.** If it fell into a hole

***Read the following passage and mark the letter A, B, C or D on your answer sheet to indicate the correct answer to each of the questions.***

The coming decades will witness considerable changes in the way energy is supplied and utilized. In some major oil producing nations, "peak oil" has already been reached, and they are unable to manufacture so much oil as in the past. Consequently, many countries are focusing on the switch to a low carbon economy considering global warming as well. This transition will lead to major changes in the supply and use of electricity. To meet these challenges, countries are investing in Smart Grid technology.

Smart Grid technology basically involves the application of a computer system to the electricity network. The computer system can be used to collect information about supply and demand. With better information about electricity demand, the network will be able to increase the amount of electricity delivered per unit generated, leading to potential reductions in fuel needs and carbon emissions.

Smart Grid technology brings benefits to the consumer too. They will be able to collect real-time information on their energy use. Varying tariffs throughout the day will give customers the incentive to use appliances at times when supply greatly exceeds demand, leading to great reductions in bills. Smart meters can also be connected to the internet or telephone system, allowing customers to switch appliances on or off remotely.

However, we are facing a range of challenges related to these changes. The first involves managing the supply and demand. Sources of renewable energy, such as wind, wave and solar, are notoriously unpredictable, and nuclear power, which is also set to increase as nations switch to alternative energy sources, is inflexible. With oil and gas, it is relatively simple to increase the supply of energy to match the increasing demand during peak times of the day or year. With alternative sources, this is far more difficult, and may lead to blackouts or system collapse. Potential solutions include investigating new and efficient ways to store energy and encouraging consumers to use electricity at off-peak times.

Another problem is that a number of renewable power generation sources are located in remote areas, such as windy uplands and coastal regions, where there is a lack of electrical infrastructure. New infrastructures therefore must be built. Thankfully, with improved smart technology, this can be done more efficiently by reducing the reinforcement or construction costs.

Though Smart Technology is still in its infancy, pilot schemes to promote and test **it** are already **underway.** Consumers are currently testing the new smart meters which can be used in their homes to manage electricity use. There are also a number of demonstrations being planned to show how the smart technology could practically work, and trials are in place to test the new electrical infrastructure. Cities are prime candidates for investment into smart energy, due to the high population density and high energy use. It is here where Smart Technology is likely to be promoted first, utilising a range of sustainable power sources, transport solutions and an infrastructure for charging electrically powered vehicles. The infrastructure is already changing fast. By the year 2050, changes in the energy supply will have transformed our homes, our roads and our behaviour.

**Question 8.** According to paragraph 1, what has happened in some oil producing countries?

**A.** They are unwilling to sell their oil any more.

**B.** The supply of oil is unpredictable.

**C.** Global warming is more severe here than in other countries.

**D.** They are not producing as much oil as they used to.

**Question 9.** Which of the following is NOT a benefit of Smart Grid technology to consumers?

**A.** It can tell them how much energy each appliance is using.

**B.** It can reduce the amount of energy needed to power appliances

**C.** It can reduce their electricity bills.

**D.** It can allow them to turn appliances on and off when they are not at home.

**Question 10.** According to paragraph 4, what is the problem with using renewable sources of power?


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**A.** They always cause system failure and blackouts.

**B.** They do not provide much energy

**C.** They can't be used at off-peak times.

**D.** They do not supply a continuous flow of energy.

**Question 11.** In paragraph 6, what can be inferred about cities in the future?

**A.** All buildings will generate their own electricity

**B.** More people will be living in cities in the future than nowadays.

**C.** People in cities will be using cars and buses powered by electricity

**D.** Smart Grid technology will only be available in cities.

**Question 12.** What does the word in bold **"it"** in paragraph 6 refer to?

**A.** pilot **B.** infancy **C.** energy **D.** Smart Technology

**Question 13.** The word in bold **"underway"** in paragraph 6 is closest in meaning to _____.

**A.** in progress **B.** beneficial **C.** permanent **D.** complete

**Question 14.** What is the main idea of paragraph 6?

**A.** To describe who will benefit from Smart Grid technology first.

**B.** To describe how, where and when Smart Technology will be introduced

**C.** To outline the advantages of Smart Grid technology.

**D.** To summarise the main ideas in the previous paragraphs.

***Mark the letter A, B, C, or D on the answer sheet to indicate the sentence that best combines each pair of sentences in the following questions.***

**Question 15.** Her ambition of emulating her father's success was realised after all of the hardship she had to overcome without anybody's help.

**A.** After getting over all obstacles by herself, she became as successful as her father, achieving her ambition.

**B.** She attained success after sailing through the ordeals thanks to the valuable assistance from her father.

**C.** The realization of her aim did not happen until she finished all of the challenging tasks set by her father without any aid.

**D.** As she had a successful father, she did not bother to set herself a goal to achieve.

**Question 16.** I did not do a careful preparation for the final test. I got the disappointing result.

**A.** If I had prepared carefully for the final test, I would have got the disappointing result.

**B.** If I didn't prepare carefully for the final test, I would not get the disappointing result.

**C.** If I had prepared carefully for the final test, I wouldn't have got the disappointing result.

**D.** If I hadn't prepared carefully for the final test, I would have got the disappointing result.

**Question 17.** The airplane took off, then Paul realized he was on the wrong flight.

**A.** Not until the airplane had taken off did Paul realize he was on the wrong flight.

**B.** No sooner had the airplane taken off than Paul had realized he was on the wrong flight.

**C.** Hardly had Paul realized he was on the wrong flight when the airplane took off.

**D.** It was not until the airplane had taken off, did Paul realize he was on the wrong flight.

***Read the following passage and mark the letter A, B, C or D on your answer sheet to choose the word or phrase that best fits each of the numbered blanks.***

People all around the world are more and more associated with social networking, (**18**) _____ is a useful tool for those in the digital era. Social networking aims at promoting and aiding communication. (**19**) _____, this type of technology may be doing more (**20**) _____ than good. It is not only changing how we communicate, but how we associate with each other in every day life. Sarah Zay, of USA Today, expressed that "With the growth of websites such as Facebook, social networking may be (**21**) _____ of replacing traditional personal interactions for the future generation". Traditional interactions will continue to be at risk if we don't (**22**) _____ the impacts of our social media. Social networking affects our lives in many ways, including our communication, self-expression, bullying, isolations, companionships, and even our very own sense of humanity.



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**Question 18. A.** that **B.** is **C.** it **D.** which

**Question 19. A.** Moreover **B.** However **C.** As a result **D.** Otherwise

**Question 20. A.** harm **B.** drawbacks **C.** disadvantages **D.** benefits

**Question 21. A.** at danger **B.** on the verge **C.** on edge **D.** at risk

**Question 22. A.** find **B.** admit **C.** realize **D.** recognize

***Mark the letter A, B, C, or D on your answer sheet to indicate the sentence that is closest in meaning to each of the following questions.***

**Question 23.** I didn't have a chance to visit my hometown until recently.

**A.** Only recently I had a chance to visit my hometown.

**B.** Recently my dream of visiting my hometown would come true.

**C.** Only recently did I have a chance to visit my hometown.

**D.** A chance to visit my hometown came up by sudden until recently.

**Question 24.** It is a good idea to drink as much fruit juice as possible in order to get enough vitamins for our bodies.

**A.** We ought not to drink as much fruit juice as possible in order to get enough vitamins for our bodies.

**B.** We should drink as much fruit juice as possible in order to get enough vitamins for our bodies.

**C.** We can drink as much fruit juice as possible in order to get enough vitamins for our bodies.

**D.** We must drink as much fruit juice as possible in order to get enough vitamins for our bodies.

***Mark the letter A, B, C, or D on your answer sheet to indicate the word(s) OPPOSITE in meaning to the underlined word(s) in each of the following questions.***

**Question 25.** Working long hours in basement offices, the human body clock and the hormonal system can be disrupted by **artificial** light, which can cause health problems.

**A.** real **B.** true **C.** natural **D.** genuine

**Question 26.** Suddenly my best friends are **at odds with** each other so now I have to see them separately.

**A.** on good terms with **B.** on the outs with

**C.** in conflict with **D.** in disagreement with

***Mark the letter A, B, C, or D on your answer sheet to indicate the underlined part that needs correction in each of the following questions.***

**Question 27.** What happened in the center of the city yesterday were a reaction from city workers, including firemen and policemen who had been laid off from their job.

**A.** What **B.** were **C.** had been laid off **D.** including

**Question 28.** Echoes occur as sound waves strike a smooth surface and bounces backwards.

**A.** bounces **B.** waves **C.** smooth **D.** as

**Question 29.** These newly developed tablets have big batteries and are very responsible to screen taps.

**A.** batteries **B.** responsible **C.** newly developed **D.** to screen

***Mark the letter A, B, C, or D on your answer sheet to indicate the word CLOSEST in meaning to the underlined word in each of the following questions.***

**Question 30.** In many western cultures, the White Lily is a flower that is **representative** of purity and sweetness.

**A.** marvelous **B.** advantageous **C.** symbolic **D.** universal

**Question 31.** I can't figure out Daisy's attitude toward the trip - she **is blowing hot and cold** about it. First she's all excited, but then she seems reluctant to go.

**A.** keeps talking about trivial things **B.** keeps going

**C.** keeps changing her mood **D.** keeps making you confused

***Mark the letter A, B, C, or D to indicate the word that differs from the other three in the position of the primary stress in each of the following questions.***

**Question 32. A.** counterpart **B.** dynamic **C.** argument **D.** excellence

**Question 33. A.** invite **B.** attract **C.** promise **D.** divide



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***Mark the letter A, B, C, or D on your answer sheet to indicate the sentence that best completes the following exchanges.***

**Question 34.** Binh is inviting Nam to join the football club.

- Binh: "I know you are very good at playing football. Would you like to join our club?"
- Nam: "_____"

**A.** Yes. I am very busy. **B.** What a good friend you are!
**C.** What do you think? **D.** Yeah. That's a good idea. I'd love to

**Question 35.** Jane is talking to Billy about the plan for the field trip next week.

- Jane: "Are you happy with the plan we have just made?"
- Billy: "_____"

**A.** Yes, it is certainly. **B.** No, have you?
**C.** That sounds like fun. **D.** Not really

***Mark the letter A, B, C, or D on your answer sheet to indicate the correct answer to each of the following questions.***

**Question 36.** Being burnt out after a hard day, she sat down on a _____ sofa to relax.

**A.** black comfortable leather **B.** comfortable leather black
**C.** comfortable black leather **D.** black leather comfortable

**Question 37.** Mr. John has just cleaned his motorbike, _____?

**A.** hasn't he **B.** didn't he **C.** did he **D.** has he

**Question 38.** When Rose arrived home after a day at work, _____.

**A.** her children slept soundly
**B.** her children are sleeping soundly
**C.** her children have been sleeping soundly
**D.** her children were sleeping soundly

**Question 39.** The harder students study for the test, _____.

**A.** the higher will be their scores **B.** the more higher their scores
**C.** the higher their scores will be **D.** their scores will be higher

**Question 40.** Computers offer a much greater degree of _____ in the way work can be organised.

**A.** flexibility **B.** flexible **C.** inflexible **D.** flexibly

**Question 41.** _____ the ancient palace is still popular with modern tourists

**A.** Constructing hundreds of years ago **B.** Constructed hundreds of years ago
**C.** To have constructed hundreds of years ago **D.** It was constructed hundreds of years ago

**Question 42.** The gardener told me that everything _____ by the end of the year.

**A.** will have been planted **B.** would have been planted
**C.** have been planted **D.** had been planted

**Question 43.** Smoking cigarettes can cause several health problems for smokers. _____ it can affect the health of others who breathe in second.

**A.** However **B.** Therefore **C.** Subsequently **D.** Moreover

**Question 44.** "Roger, remember that you won't be able to cancel the contract _____."

**A.** after you are signing **B.** until you have signed
**C.** once you've signed **D.** as soon as you signed

**Question 45.** These fish live _____ small sea creatures such as the shrimps.

**A.** with **B.** by **C.** on **D.** from

**Question 46.** I'll give you some _____ of advice that can help you escape from the trouble.

**A.** pieces **B.** packs **C.** sheets **D.** piles


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**Question 47.** When it comes to finding a new house, all the conditions for the sake of the children such as education and entertainment should be _____ by parents.

**A.** made room for **B.** taken care of **C.** taken into account **D.** kept pace with

**Question 48.** The preparations for the Olympic Games 2022 in Beijing are on _____ according to the committee in charge.

**A.** aim **B.** target **C.** progress **D.** goal

**Question 49.** We must get to the _____ of the problem and solve it once and for all.

**A.** seed **B.** fruit **C.** root **D.** stem

**Question 50.** Linda and I have been together through _____ in our friendship, and we won't desert each other now.

**A.** thick and thin **B.** collar and tie **C.** high and low **D.** null and void

-----HẾT------

ĐỊA CHỈ CUNG CẤP TÀI LIỆU WORD CHẤT LƯỢNG CAO CHO GV:
Website: sachmoi24h.com
Fb: Long Thành Vũ
Zalo: 0984456582



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