

绝密★启用并使用完毕前

山东省实验中学 2021 届高三第二次模拟考试

英语试题 2021. 5

(本试卷共 10 页，共三部分；全卷满分 120 分，考试用时 100 分钟)

注意事项：

- 1. 答卷前，先将自己的姓名、准考证号填写在试卷和答题纸上。
- 2. 选择题的作答：每小题选出答案后，用 2B 铅笔把答题卡上对应题目的答案标号涂黑。如需改动，用橡皮擦干净后，再选涂其他答案标号。
- 3. 非选择题的作答：用 0.5mm 黑色签字笔直接答在答题卡上对应的答题区域内，写在试卷、草稿纸和答题卡上的非答题区域均无效。

第一部分 阅读（共两节，满分 50 分）

第一节（共 15 小题；每小题 2.5 分，满分 37.5 分）

阅读下列短文，从每题所给的 A、B、C、D 四个选项中选出最佳选项。

A

Travelling by rail, you'll get a completely different experience, which can't be matched by flying or driving. The following are four best slow routes.

The Ghan

Where: Australia, from Adelaide to Darwin via Alice Springs.
When: The peak season is usually the winter (June, July, August), but going during the wet season (December, January) will allow you to see more wildlife.
Duration: Going straight through takes 52 hours.

Highlights: Going through Australia's Red Centre with blue skies and red earth, enjoying a beautiful and peaceful experience.

The Royal Scotsman

Where: Travels around the Scottish Highlands or all the way around Great Britain.
When: Up to 20 hours of daylight in June makes it the perfect time to watch birds flying over

mirror-like lakes.
Duration: Trips can be as short as two days or as long as seven.
Highlights: Possibly the most expensive train journey in the world, with a minimum of £2,350 per person for a two-night trip. You'll be treated like a king or a queen. Hearty meals, fine wines and carriages that look like rooms at Balmoral Castle await you.

The Rocky Mountaineer

Where: Canada, from Vancouver to Banff, Jasper and Calgary.
When: In June, which is springtime in the Rockies.
Duration: Between two and eight days, travelling only in daylight.
Highlights: Spectacular views of the Rocky Mountains, traditional native storytelling, wine classes and natural history workshops.

Eastern and Oriental Express

Where: From Thailand, through Malaysia, to Singapore.
When: April and May, for the least humid weather.
Duration: Trips vary from two to eight days.
Highlights: From golden temples and rice fields to metropolitan cities, this luxurious train displays the best of the countries it passes through.

- 1. In which month are more routes available?
A. January. B. April. C. June. D. August.
- 2. What can visitors experience on The Royal Scotsman?
A. A flight over lakes. B. Noble service.
C. Native story-telling. D. Wine making.
- 3. Which route goes through different countries?
A. The Ghan. B. The Royal Scotsman.
C. The Rocky Mountaineer. D. Eastern and Oriental Express.

B

In quiet neighborhoods, you find quiet people going about their lives, doing good things. Harold is one of those people. A quiet man by nature, he finds himself happiest while changing the brake pads on an old truck or replacing a water heater.

As a mechanic, Harold runs a workshop after retiring. His wife Jeannette teaches English at the local high school. With their own kids grown, they don't need a lot or want a lot, so Harold and Jeannette live a simple life. And while his wife is in the classroom, Harold often walks around in the neighborhood. There's always a widow who needs a lamp fixed or a teenager who needs a tire changed.

Each day, Harold pulls on his coveralls(工作服) and goes to work. His wife teaches students to speak, while Harold economizes language. "Yep, you got a leak. I'll get my toolbox." That's about as much as you'll get out of Harold. Even when you thank him, he'll just wave.

In a world of social media, massive information floods our screens, with various ways to communicate. But if you want to talk to Harold, you have to go to his workshop and knock on the door. It's reassuring to know that there's Harold, willing to fix the mechanical things that stress us out. He always works slowly and methodically, removing the old pipe, pulling it to his truck, and cutting a new pipe. He's done this hundreds of times. There's no frustration, no hurry, only an ease and satisfaction, like a gardener taking care of his beloved flowers.

Shortly after Jeannette retired, Harold passed away from a rare disease. Harold saved his words, but his friends and family didn't. A flood of appreciation came pouring out. "He was there when I needed a hand," many said. What a valuable thing in these days! After all, the purpose in life is not to get the most likes, but to like most what you do.

4. Why does Harold walk around in the neighborhood?

- | | |
|-----------------------|-------------------------|
| A. To keep fit. | B. To lend a hand. |
| C. To look for a job. | D. To pick up his wife. |

5. What will Harold do when you get a leak?

- | | |
|------------------------------|------------------------------|
| A. Go to fix it willingly. | B. Wave a refusal directly. |
| C. Work out the costs first. | D. Check the toolbox slowly. |

6. Which words can best describe Harold?

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|--------------------------------|-------------------------------|
| A. Hard-working and modest. | B. Easy-going and efficient. |
| C. Well-educated and generous. | D. Good-hearted and skillful. |

7. What can we learn from Harold's life?

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| A. Silence is gold. | B. Kindness will be rewarded. |
| C. Like what you do. | D. Live slowly in a fast world. |

C

Blood donations save lives. But blood can only be stored under refrigeration for up to six weeks. After that, it's no longer usable for transfusions. Because of that limitation, people have to continually donate blood to meet the needs.

Jonathan Kopechek, a bioengineer from University of Louisville says suspension to regular blood donations due to COVID-19 has put stress on the blood supply, and the pandemic underscores the need for more reliable long-term storage methods.

Good news is that Kopechek's team has developed a method of preserving blood so it can be stored in a dehydrated(脱水的) state at room temperature. To do so, they turned to a sugar called trehalose(海藻糖), which is a common ingredient in donuts(甜甜圈). Trehalose is intended to help make them look fresh even when they are months old, and you wouldn't know the difference.

The researchers chose trehalose because, in nature, it's made by animals like sea monkeys—famous for their ability to survive dehydration. "So these animals can dry out completely for a long time and then be rehydrated and resume normal function. So we wanted to use the trehalose produced by these organisms and apply that to preserving blood cells in a dried state."

But first, the researchers had to get trehalose into blood cells. To achieve this, they drilled temporary holes in the cell membranes(细胞膜). And they need to have sufficient trehalose on both the inside and the outside of the cell in order to survive the dehydration and rehydration process. At that point, the blood could be dried and made into a powder. "And then we can rehydrate the blood and have it return back to normal."

Kopechek said the technique could be ready for clinical trials in three to five years. If successful, it could be used to create stores of dried blood in case of future pandemics or natural disasters—and for humanitarian aid work, military operations or even missions to Mars. Maybe first aid kits on Mars will include dried red blood cells.

8. Which has the closest meaning with the underlined word in Paragraph 2?

- | | | | |
|-------------|--------------|---------------|---------------|
| A. Satisfy. | B. Decrease. | C. Highlight. | D. Influence. |
|-------------|--------------|---------------|---------------|

9. What can we learn about trehalose?

- | |
|---|
| A. It can only be found in sea monkeys. |
| B. It should be preserved in a dried state. |
| C. It helps to keep donuts fresh and tasty. |
| D. It contributes to long-term blood storage. |

10. Which is the correct order of storing blood with trehalose?

- ① Drying blood and making it into a powder. ② Getting trehalose into blood cells.
③ Rehydrating the blood. ④ Drilling holes in the cell surface.
A. ④②①③ B. ④①②③ C. ②④①③ D. ②③④①

11. What is the text mainly about?

- A. Dried blood has a promising prospect.
B. Trehalose could help stored blood last.
C. The need for stored blood is on the rise.
D. Storing blood longer is very challenging.

D

Although billions of locusts (蝗虫) appearing on East African countries greatly panicked farmers in 2020, they managed to see through this unexpected crisis. "Their success primarily results from a technology-driven anti-locust operation," said Mr. Cressman, an officer in the UN Food and Agriculture Organization.

Normally, these locusts live alone across the deserts of North Africa, Southwest Asia and the Middle East. But when rains arrive, they change from a slightly brown into a deep yellow and form groups of more than 15 million insects per square mile. Such quantities of locusts can consume the equivalent amount of food in a single day as more than 13, 000 people.

Locust trackers in Sudan and Eritrea find the insects by using a tablet-based program to transmit data to authorities so experts can design appropriate control strategies. But people who want to use this system might encounter a technological problem: The version of the tablets that the locust-tracking program was written for is not manufactured and newer tablets are unsuitable for the software.

Rather than rewriting the locust-tracking software for newer tablets, Mr. Cressman thought creating a simple smartphone app would make anyone collect data like an expert. He sought help from Dr. Hughes, who had already created PlantVillage to track a crop pest. Borrowing from this blueprint, Dr. Hughes and his colleagues completed eLocust3m, which anyone with a smartphone can use. The app presents photos of locusts at different stages of their life cycles, which helps users diagnose what they see in the field. The locations are then automatically recorded by GPS and algorithms (算法) double check submitted photos. If necessary, pesticide-spraying aircraft will take position.

The F. A. O. estimates that this effort in East Africa has prevented the loss of agricultural products with a commercial value of \$ 1.5 billion, saving the livelihood of 34 million people.

12. What does the author intend to do in Paragraph 2?

- A. Summarize the previous paragraph. B. Provide scientific data for readers.
C. Add some background information. D. Introduce a new topic for discussion.

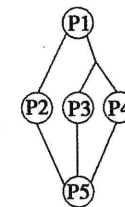
13. What may trouble potential tablet-based program users?

- A. The low adaptability of the software. B. Too many versions of new tablets.
C. The complex process of transmitting data. D. The urgency of rewriting the software.

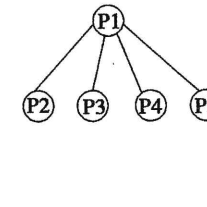
14. What can we infer from Paragraph 4?

- A. Cressman created a smartphone app.
B. ELocust3m is based on PlantVillage.
C. Operating ELocust3m needs much training.
D. Users should record where they find locusts.

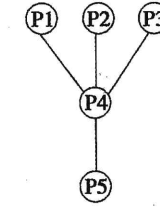
15. Which of the following shows the structure of the whole text?



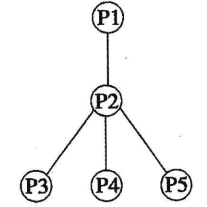
A.



B.



C.



D.

第二节 (共 5 小题; 每小题 2.5 分, 满分 12.5 分)

阅读下面短文, 从短文后的选项中选出可以填入空白处的最佳选项。选项中有两项为多余选项。

Taking an online course is an excellent way to learn a new skill or earn academic credit with a flexible schedule. There are various online courses to choose from, and many physical training institutions offer diverse online courses. 16 But if you take the following tips, it's not difficult for you to distinguish yourself in your online courses.

Talk to an academic advisor. Before enrolling in an online class, talk to your academic advisor about what course you would like to take. If you are taking the class to earn a degree, it is important to talk to an advisor to make sure the course will fulfill a particular requirement. 17

Meet the technical requirements. 18 Having a reliable computer, Internet access, and up-to-date programs is necessary to succeed in an online course. Guarantee your computer can run any particular programs or tools essential for your coursework.

Make a weekly schedule. Once you understand the course's workload and expectations, create a study schedule. 19 Think about how many hours you should spend reviewing the course materials, doing the required reading, and completing your assignments each week. Once you create and stick to a schedule, your new routine will become second nature.

20 While logged into your online classroom, be sure that all other programs are turned off. Pop-ups from instant messages or alerts that you have received a new email can take your attention away. Additionally, considering it will be tempting to grab your phone and look at texts or watch Tiktoks, leave your phone somewhere out of sight.

- A. Get rid of distractions.
- B. Create a space to study.
- C. A specific plan is crucial for success.
- D. Sharpen your tools before making good work.
- E. They enable your computer to function smoothly.
- F. This step is important for ensuring a worthwhile course for you.
- G. Accustomed to traditional ones, you may feel challenged to make a change.

第二部分 语言运用（共两节，满分 30 分）

第一节（共 15 小题；每小题 1 分，满分 15 分）

阅读下面短文，从每题所给的 A、B、C、D 四个选项中选出可以填入空白处的最佳选项。

Both my parents came from towns in Mexico. I was born in El Paso, Texas, and when I was four, my family 21 to a housing project in East Los Angeles.

Even though we 22 to make ends meet, my parents stressed to me and my four brothers and sisters how 23 we were to live in a great country with limitless opportunities. They rooted these concepts of family, faith and patriotism(爱国主义) in our mind.

I got my first real job when I was ten. My dad, Benjamin, injured his back working in a cardboard-box factory and then was 24 as a hairstylist. He 25 space in a little mall and gave his shop the fancy name of Mr. Ben's Coiffure.

The owner of the shopping center gave Dad a 26 on his rent for cleaning the parking lot three nights a week, which meant getting up at 3 a.m. Dad used a little machine that looked like a lawn mower to collect 27. Mom and I picked up litter by hand and 28 garbage cans. It took two to three hours to clean the lot.

I did this for two years, but the 29 I learned has lasted a lifetime. I 30 discipline and a strong work ethic, and learned at an early age the importance of balancing life's competing interests—in my case, school, homework and a job. This 31 helped during my senior year of high school. I worked 40 hours a week packaging burgers at a fast-food restaurant while taking a full load of school courses.

The hard work 32. I attended the U.S. Military Academy and went on to receive graduate degrees in law and business from Harvard. Later I joined a big Los Angeles law firm. Nowadays when I reflected on 33 I have done, I've never forgotten my first job in the parking lot. The experience taught me there is dignity in all work and that if people are working to provide 34 themselves and their families, that is something we should 35.

- | | | | |
|---------------------|--------------|----------------|--------------|
| 21. A. returned | B. moved | C. escaped | D. adapted |
| 22. A. determined | B. pretended | C. struggled | D. motivated |
| 23. A. fortunate | B. grateful | C. comfortable | D. pleasant |
| 24. A. recognized | B. dismissed | C. retrained | D. appointed |
| 25. A. purchased | B. possessed | C. expanded | D. rented |
| 26. A. discount | B. privilege | C. deadline | D. choice |
| 27. A. paper | B. rubbish | C. goods | D. remains |
| 28. A. emptied | B. repaired | C. painted | D. abandoned |
| 29. A. knowledge | B. technique | C. skill | D. lesson |
| 30. A. created | B. regained | C. acquired | D. spotted |
| 31. A. occasionally | B. hardly | C. definitely | D. simply |
| 32. A. went off | B. took off | C. broke off | D. paid off |
| 33. A. that | B. what | C. which | D. how |
| 34. A. with | B. of | C. for | D. to |
| 35. A. honor | B. cherish | C. value | D. seize |

第二节（共 10 小题；每小题 1.5 分，满分 15 分）

阅读下面短文，在空白处填入 1 个适当的单词或括号内单词的正确形式。

Taiji enjoys a long history in China and it is 36 unusual form of the Chinese traditional martial arts. Long long ago, it 37 (design) as a unique and profound self-defence technique. There are various forms in Taiji, of which push-hand is well known for its technique. As a 38 (type) Chinese Kongfu, hand-push has been highly popular 39 the small and weak people. The powerful and aggressive opponent can be easily defeated by a small clever attack or an abrupt explosive power.

With their attention 40 (focus) on correct posture and breathing control, Taiji players promote the complete harmony of body and mind. Taiji provides the mental 41 (relax) and physical fitness, which is essential in our modern stress-filled life.

In this sport, softness is stronger than hardness; moving in a curve is better than a straight line. It is especially different from western types of sports, 42 the harder and quicker means the better. 43 you're young or old, male or female, you all can choose Taiji as your ideal physical exercise. When 44 (practise) it quietly and slowly, you can sense the existing of air and 45 (gradual) in the near future this sport will become your new lifestyle.

第三部分 写作（共两节，满分 40 分）

第一节（满分 15 分）

假定你是李华，你校将举办以“美丽校园”为主题的短视频大赛。请你写一封邮件告知你校的交换生 Peter，邮件的内容包括：

- 1.比赛目的和时间；
- 2.视频内容和要求；
- 3.邀请他参加。

注意：

- 1.词数 80 左右；
- 2.可适当增加细节，以使行文连贯。

第二节（满分 25 分）

阅读下面材料，根据其内容和所给段落开头语续写两段，使之构成一篇完整的短文。

It was August. We were on vacation, just my six-year-old son Kevin and I, for my husband was always busy. Having driven from our home in the city to a remote and peaceful place, we wouldn't see friends or family—it would be a nice, safe, socially distanced week away. We had hiked about half a mile to an attractive spot called Diana's Baths, which afforded visitors an expanse of transparent water. The water flows and then falls off a series of big flat stones, making itself a small waterfall, about 7 inches high.

Several couples and their kids in swimsuits were playing to their heart's content in the water. We joined them. I watched as some younger parents nervously drove their babies away from the stones' edges. Fast-moving water made standing there quite dangerous, for I saw a certain kid with curly hair missed a step and almost fell down. The air was full of shouts and laughter. I felt so lucky that I didn't always need to fix my eyes on my son. Kevin could navigate his physical space with more confidence and care. But I was still terrified when I saw Kevin jump between the slippery rocks.

But with the passing of time, I soon relaxed, and we were both having fun, my kid splashing and kicking in the cool water, laughing heartily as I put my head under the cold running water.

Then seconds later, every fear I'd ever had rose to the surface. I lifted my head, turned and saw Kevin sitting between two stones, with the rushing water flowing around him. I could see he was shaking sometimes because of the water rapids. I yelled at him to get out. He yelled back something that I couldn't hear.

注意：

1. 续写词数应为 150 左右；
2. 请按如下格式在答题卡的相应位置作答。

Suddenly he disappeared in front of my eyes.

When Kevin returned to normal, I learned the woman was a nurse.