

绝密★启用前



# 高三英语考试

(考试时间:100分钟 试卷满分:120分)

## 注意事项:

1. 答卷前,考生务必将自己的姓名、考生号、考场号和座位号填写在答题卡上。
2. 回答选择题时,选出每小题答案后,用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。回答非选择题时,将答案写在答题卡上。写在本试卷上无效。
3. 考试结束后,将本试卷和答题卡一并交回。

## 第一部分 阅读理解(共两节,满分40分)

### 第一节 (共15小题;每小题2分,满分30分)

阅读下列短文,从每题所给的A、B、C和D四个选项中,选出最佳选项。

#### A

From life-saving medical technologies to everyday household items, these four brilliant women left an indelible mark on history with their inventions.

#### Modern ironing board by Sarah Boone

Before the invention, clothing used to be ironed on wooden planks balanced between chairs. Though it seems like a simple invention, Boone put a lot of thoughts into it, which was evident in the end product. Aside from solving the initial problem of uneven ironing, Boone also made the ironing board's legs folded for storage and designed a curved (弧形的) shape for the body to accommodate sleeves and curved areas. Alongside her invention, Boone also became one of the first African-American women to receive a patent.

#### Silk by Empress Lei Zu

Though there is no way of confirming the account, ancient writings (including Confucius') attribute the first invention of silk to the Chinese Empress Lei Zu, who was fourteen at the time and had been enjoying tea in the imperial gardens when a fateful incident took place. A cocoon (茧) fell into her teacup and lost its cohesiveness (粘结性) upon contact with the hot water. The fact that the cocoon was a single strand of silk had drawn Lei Zu's attention and she wove the thread into fabric, creating silk cloth.

#### Caller ID and call waiting by Shirley Ann Jackson

Dr Shirley Ann Jackson broke the glass ceiling as the first African-American woman to be awarded a doctorate from MIT. She contributed to the invention of caller ID and call waiting during her research period at AT&T Bell Laboratories, so we can now see the phone number and name of whoever is ringing our phones.

【高三英语 第1页(共8页)】

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### Spray-on skin repair technique by Fiona Wood

Dr Fiona Wood introduced spray-on skin repair technique to the world in the 1990s. The technique changed the way in which burn victims used to be treated, as spray-on skin repair technique can be directly applied to wounds to form a new layer of skin that promotes healing and minimises the risk of infection.

1. What can we learn about Sarah Boone?
  - A. She learned a lot from ironing.
  - B. She solved the problem of washing.
  - C. She created a piece of useful furniture.
  - D. She was the first person to receive a patent.
2. What inspired Lei Zu to find silk?
  - A. Her interest in drinking tea.
  - B. A cocoon dropping into her cup.
  - C. A desire to write something crucial.
  - D. Her working in the imperial gardens.
3. Who made a contribution to medical cause?

<input checked="" type="checkbox"/> A. Sarah Boone.	<input checked="" type="checkbox"/> B. Lei Zu.
C. Shirley Ann Jackson.	D. Fiona Wood.

### B

My father was the kind of guy who could walk into a room full of strangers and leave with new best friends for life! He was a hard worker and was known as “Mr Fix-It” to everyone. He was also one of the most cheerful, affable (和蔼可亲的) and gentle people you would ever meet, which made us, his beloved daughters feel proud.

But when Dad was in his fifties, my family began to notice him struggling. His work and skills began to become worse and worse, and he became depressed and withdrawn. This was not the man I knew. At the age of fifty-eight, Dad was diagnosed with early-onset Alzheimer’s disease. As for our family, it was the worst.

Our first step was to attend a meeting hosted by the Alzheimer’s Association to learn more about the disease and programs that might help us. That meeting inspired me to start a Walk to End Alzheimer’s® team. But I still wanted to do more. In 2017, I became a board member of the Alzheimer’s Association Delaware Valley Chapter.

The loss from this disease is gradual. My father’s decline continued for several years. Losing my father more and more each day was leaving a big hole in my heart and my life. I decided to fill that hole with action to honor my father.

That’s why I recently decided to leave a gift to the Alzheimer’s Association by naming it as a beneficiary of my retirement plan. My future gift will provide money to support research

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because I don't want another person in my family or someone in other families to have to suffer from Alzheimer's disease.

I am so proud to be able to honor my father and other family members who lost their fights to Alzheimer's in this way. My dad was an inspiration to me, and I hope, through my gift, I can inspire others to join in the fight to end Alzheimer's.

4. What can we infer about the author's father before having Alzheimer's?
- A. He was an outgoing man.      B. He hiked with strangers.  
 C. He made a living by sales.      D. He was a popular repairer of cars.
5. What did the author initially do for her father's disease?
- A. She consulted many experts.      B. She established a research team.  
 C. She gained more relevant information.      D. She funded the Alzheimer's Association.
6. What gift does the author leave to the Alzheimer's Association?
- A. Research funds for the disease.  
B. A record of her father's mental state.  
C. Her research papers on families like hers.  
 D. Experts' suggestions on her father's disease.
7. What does the author focus on in the last paragraph?
- A. Her precious gift.      B. Her father's firm confidence.  
 C. Her future expectation.      D. Her father's original motivation.

C

Conifers (针叶树) are generally better than broad-leaved trees at purifying air from pollutants. But deciduous (落叶的) trees may be better at taking in particle-bound pollution. A new study led by the University of Gothenburg shows that the best trees for air purification depend on the type of pollutants involved.

Trees and other greenery in cities provide many benefits that are important for the well-being of residents. Leaves and needles on trees filter air pollutants and reduce exposure to poisonous substances in the air. But which trees purify the air most effectively? Researchers from the University of Gothenburg have collected leaves and needles from eleven different trees growing in the same place in the Gothenburg Botanical Garden (GBG) to analyse which substances they have absorbed.

"This tree collection provides a unique opportunity to test many different species of trees with similar environmental conditions and exposure to air pollutants," said Jenny Klingberg, a researcher of the GBG.

A total of 32 different pollutants were analysed, some of which are bound to particles of various sizes. Others are gaseous. This project has focused on PAHs (多环芳烃). In cities, traffic is the biggest source of these pollutants, which are released due to incomplete burning

【高三英语 第3页(共8页)】

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第二部分 语言知

第一节 (共20小

阅读下面短文

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"Our analyses show that different species of trees have different abilities to absorb air pollutants. Conifers generally absorb more gaseous PAHs than broad-leaved trees. Another advantage of conifers is that they also act as air purifiers in winter, when air pollution is usually at its highest," said Jenny Klingberg.

"This study contributes to improving our understanding of the ability of trees to clean the air and which species are best at absorbing air pollutants," said Jenny Klingberg. This knowledge is important for urban planning when designing sustainable cities. While trees and greenery can contribute to better air quality in cities, at the end of the day, the most important measure is to reduce emissions.

8. Which is the determining factor in choosing the most suitable trees to purify air?

- A. Air quality. B. Geographical location.  
C. The height of plants. D. The kind of pollutants.

9. Why did the researchers collect leaves and needles from GBG?

- A. To compare their shapes. B. To create a tree collection.  
C. To figure out what they absorb. D. To display them on exhibition.

10. What may cause more PAHs to be released

- A. Fuel vehicles. Electric engines.  
C. Traffic accidents. D. Complete burning.

11. What is the most effective way to better air quality in cities?

- A. Decreasing emissions. B. Planting more conifers.  
C. Raising public awareness. D. Designing sustainable cities.

D

Diplomacy (外交) is an art. It requires not only strategy, but also other aspects, including intuition, persuasion, and even tricks, human skills that have long been unreachable to even the most powerful artificial intelligence (AI) approaches. Now, an AI algorithm (算法) from a high-tech company has shown it can beat many humans in a game of diplomacy, which required both strategic planning and negotiations with other players. The work, researchers said, could point the way toward virtual exercise coaches and conflict mediators (调解员).

AI has already beaten humans in some games of strategy. It is also proving powerful at natural-language processing, in which it can generate humanlike text and carry on conversations. In the game of diplomacy, seven players vied for control of Europe. On each turn, players issued orders regarding the movement of army and naval units, following discussion with other players, whom they could attack or support.

There are two technical innovations noted by Jonathan Gratch, a computer scientist at the University of Southern California who studies negotiation agents. First, the AI agent's communication is grounded in multistep planning. Second, the AI agent keeps its remarks and

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game play within the range of human common practice.

To test its skill, the researchers had the AI agent play 40 online games against humans. It placed in the top 10% of players who'd played at least two games. "In a game that involves language and negotiation, that agents can reach human equal level is very exciting," said Yu, a computer scientist at Columbia University.

According to Brown, a computer scientist at the company who co-authored the paper, the work could lead to practical applications in fields that now require a human touch. One specific example is that virtual personal assistants might help consumers negotiate for better prices on plane tickets. Gratch and Yu both see opportunities for agents that persuade people to make healthy choices or open up during therapy.

12. Who is likely to benefit from the research work?

- A. A famous cyber athlete. ~~B. A professor of civil law.~~  
C. A professional accountant. ~~D. A virtual fitness instructor.~~

13. What does the underlined word "vied" mean in paragraph 2?

- A. Accounted. ~~B. Apologized.~~ C. Searched. D. Competed.

14. Why does the author mention AI agent

- ~~A. To understand the thought of AI.~~ B. To illustrate the advantages of AI.  
~~C. To describe the importance of AI.~~ D. To introduce the strategy of AI.

15. What is the best title for the text?

- ~~A. Diplomacy, a Popular Game~~ ~~B. AI Learns the Art of Diplomacy~~  
C. AI Will Become a Perfect Diplomat D. An Excellent Game Player

第二节 (共5小题;每小题2分,满分10分)

根据短文内容,从短文后的选项中选出能填入空白处的最佳选项。选项中有两项为多余选项。

How to prepare for a thrilling hike? Hiking needs mental and physical preparation weeks before the material day. If you're a fan of hiking mountains, here is a guide to help you.

#### Train hard and train in time

You need to train your body at least three months before the challenge \_\_\_\_\_. You can start with baby steps and gradually take more demanding exercises and distance. You can often carry your hiking stick to promote stability. Keep track of your progress to help you achieve your goal.

#### Choose your clothes carefully

\_\_\_\_\_ 1 \_\_\_\_\_ wear light absorbent pants to reduce friction and promote absorption of sweat. Long \_\_\_\_\_ keep you safe from stinging weeds, insects and tough weather.

\_\_\_\_\_ 18 \_\_\_\_\_

You must consider various factors before purchasing the most appropriate hiking shoes. First, mind the terrain (地形) of the hiking ground. A mild terrain will do fine with light

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shoes. On the other hand, a tough, hard and mountainous terrain requires hardy boots to help navigate the rocky ground.

### Adequately pack your bag

Your bag is your lifeline when hiking. Water is the most essential item when hiking. The body performs best when you hydrate frequently throughout the challenge. Carry adequate clean water and sip often. 17 These are primary tools to help you find your way, water points, emergency towers, and other places. Hope for the best but always prepare for emergencies. Thus, ensure you have a flashlight, a lighter and a whistle.

Hiking is a refreshing way of keeping fit, having fun and building resilience. 20

- A. Choose appropriate footwear
- B. Search for the route you will be hiking
- C. Carry a compass, a map and a GPS with you
- D. Adequate water can help you be in good condition
- E. Create a regular schedule and be disciplined to follow it
- F. Wear appropriate clothes that allow your free movement
- G. Adequate planning will help have a fantastic experience of it

## 第二部分 语言知识运用 (共两节, 满分 45 分)

### 第一节 (共 20 小题; 每小题 1.5 分, 满分 30 分)

阅读下面短文, 从短文后各题所给的 A、B、C 和 D 四个选项中, 选出可以填入空白处的最佳选项。

The world is full of opportunities. Ignoring them or seizing one depends on one's attitude. Mike seized the chance and did what he wanted to do.

Mike used to be a janitor (看门人) at a(n) 21 school. He collected and cleared away the 22 for the school too. This school has a 23 place in Mike's heart. He went to this school as a young boy and was a 24 there for 19 years. However, before his career in teaching, he 25 in the same school as a janitor. He has always been good at 26 with students. They loved chatting with him and they treated him like a 27.

Seeing this, the teachers 28 him to pursue a teaching career. After years of hard work and fierce 29, Mike finished his degree in 2003 and 30 a teaching job at the elementary school after he 31 with a degree. Since then, he has become a constant 32 in the school.

Mike found teaching a very 33 job. For him, it was important that the students grow up not just remembering the 34 but also how a teacher made them feel. Mike was excited to teach the children at the school and was 35 to teach the fifth grade. He was shocked when the directors offered him the 36 of principal a week before the school year started.

"I am 37 grateful. I don't do anything special. I just 38 and try my best," said Mike. He was also very excited to take on the challenges of being the new 39 of the

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|----------------------|-----------------|----------------|------------------|
| 21. A. secondary     | B. advanced     | C. particular  | D. elementary    |
| 22. A. bag           | B. mouse        | C. refuse      | D. beggar        |
| 23. A. special       | B. formal       | C. mobile      | D. confusing     |
| 24. A. guard         | B. cleaner      | C. teacher     | D. cook          |
| 25. A. lived         | B. worked       | C. studied     | D. arrived       |
| 26. A. quarrelling   | B. debating     | C. fighting    | D. communicating |
| 27. A. boy           | B. student      | C. friend      | D. citizen       |
| 28. A. commanded     | B. encouraged   | C. constructed | D. allowed       |
| 29. A. determination | B. appreciation | C. suffering   | D. impression    |
| 30. A. rejected      | B. obtained     | C. offered     | D. reformed      |
| 31. A. quit          | B. responded    | C. hesitated   | D. graduated     |
| 32. A. candidate     | B. reporter     | C. figure      | D. cyclist       |
| 33. A. convincing    | B. rewarding    | C. disturbing  | D. entertaining  |
| 34. A. sufferings    | B. classmates   | C. pleasures   | D. lessons       |
| 35. A. prepared      | B. guided       | C. pressed     | D. depressed     |
| 36. A. role          | B. desire       | C. concern     | D. behavior      |
| 37. A. despairingly  | B. truly        | C. nearly      | D. exactly       |
| 38. A. let in        | B. get out      | C. set aside   | D. show up       |
| 39. A. operator      | B. visitor      | C. leader      | D. performer     |
| 40. A. improve       | B. search       | C. attain      | D. rebuild       |

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。

When was the last time you flew too high 41 a swing and lost your stomach, or burst out laughing so hard that you started crying?

A lot of us may be still recovering from antisocial habits 42 (form) in the tough time. And so far, some events out of our control 43 (have) a bad effect on our health. Last fall, 76% of adults surveyed by the American Psychological Association said stress from politics, race relations and violence had affected their health. They reported 44 (experience) headaches, depression, nervousness and exhaustion.

But 45 (solution) may be hiding in plain sight. Two recent books argue that making room for more fun in your life could counteract (抵消) both the stress and the tendency 46 (escape) it by zoning out online.

In a book published in January, psychologist Mike Rucker makes the case that pursuit of fun experiences may be even more valuable than seeking the sometimes abstract goal of happiness. In Rucker's opinion, happiness is 47 state of mind, but fun is something we can do for 48 (we). It doesn't require education, money or power. All it requires is intentionality.

We 49 (actual) ignore the importance of fun. We are so casual and careless about 50 we use things around us to make us fun, but it is important for our happiness and health.

第三部分 写作(共两节,满分 35 分)

第一节 短文改错(共 10 小题;每小题 1 分,满分 10 分)

假定英语课上老师要求同桌之间交换修改作文,请你修改你同桌写的以下作文。文中共有 10 处语言错误,每句中最多有两处。每处错误仅涉及一个单词的增加、删除或修改。

增加:在缺词处加一个漏字符号(Λ),并在其下面写出该加的词。

删除:把多余的词用斜线(\)划掉。

修改:在错的词下划一横线,并在该词下面写出修改后的词。

注意:1. 每处错误及其修改均仅限一词;

2. 只允许修改 10 处,多者(从第 11 处起)不计分。

Last month, I finish reading *Romance of the Three Kingdoms* writing by Luo Guanzhong. It is a Chinese historical novel based upon the events what happened between the late Eastern Han Dynasty or the Three Kingdoms. It is praised as one of the Four Great Classical Novels of Chinese literature. I've learned a lot of from the novel. I really like reading, which can broaden your horizon and make me learn knowledges. A good book is like a wise man, a teacher, a friend and a partner. I do advise chose a good book to read. If everyone does it regular, the history, culture and many other aspects will handed down from generation to generation.

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第二节 书面表达(满分 25 分)

假定你是李华,你校英语角上个月举办了为期一个月的关于二十四节气(24 solar terms)的系列讲座。请你为校英文报写一篇短文报道此事,内容包括:

1. 活动的目的;
2. 活动的内容;
3. 活动的反响。

注意:

1. 词数 100 左右;
2. 短文题目已为你写好。

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自主选拔在线是致力于提供新高考生涯规划、强基计划、综合评价、三位一体、学科竞赛等政策资讯的升学服务平台。总部坐落于北京，旗下拥有网站（[网址: www.zizzs.com](http://www.zizzs.com)）和微信公众平台等媒体矩阵，用户群体涵盖全国 90% 以上的重点中学师生及家长，在全国新高考、自主选拔领域首屈一指。

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