

2024 届河南省名校学术联盟高考信息卷&押题卷英
语试题（三）

学校:_____姓名:_____班级:_____考号:_____

一、阅读理解

Let's review some of the year's best books so far.

The Astronaut's Guide to Leaving the Planet

In this book, retired astronaut and pilot Terry Virts paints a lively picture of life aboard the International Space Station. And he describes what it takes to conduct a successful mission. Young space enthusiasts will enjoy this guide. Ambitious astronauts will treasure it.

Lasagna Means I Love You

In this touching realistic novel by Kate O'Shaughnessy, Mo and her grandma, Nan, live together. But after Nan dies, Mo's uncle can no longer take care of her. To deal with these changes, she starts cooking, using family recipes that she collects from friends and through her food blog. There's only one problem: She doesn't have family recipes of her own. Hoping to define what really makes a family, Mo learns there's no perfect recipe.

The Enchanted Life of Valentina Mejia

In this fast-paced adventure by Alexandra Alessandri, 12-year-old Valentina and her brother Julian are searching for mysterious creatures. Falling into another world during an earthquake, they discover a different, magical Colombia. Valentina learns that all of the legends about her country are true. But will they be able to leave this place and return home?

Just Jerry

It's written by Jerry Pinkney, who writes about his growing up in Philadelphia, Pennsylvania, during the 1940s and 1950s. He struggled with dyslexia (阅读障碍), but he always pursued his artistic calling. When he got a job at a newsstand, his boss gave him a chance to draw and sell his work. He was able to go to college to study art, and eventually built a career in publishing.

1. What do we know about Mo?

- | | |
|--------------------------------------|---|
| A. She grows up with her uncle. | B. She tries to find what family is. |
| C. She cooks to support her grandma. | D. She makes a living by selling recipes. |

2. Whose book tells about a story of a sister and her brother?

- | | |
|------------------|--------------------------|
| A. Terry Virts'. | B. Kate O'Shaughnessy's. |
|------------------|--------------------------|

C. Jerry Pinkney's.

D. Alexandra Alessandri's.

3. What kind of book is *Just Jerry*?

A. A biography.

B. A folk tale.

C. A love story.

D. A horror story.

Most of us have an unclear memory of learning about the Pythagorean Theorem (勾股定理) many years ago in math class.

If you're anything like us writer-types, that 2,000-year-old theorem went in one ear, and immediately out the other! But for two students at St. Mary's Academy in New Orleans, Louisiana, the theorem presented a challenge they simply couldn't resist taking on. As a reminder for those of us who aren't potential mathematicians, the Pythagorean Theorem is the basis of trigonometry (三角学). For over 2,000 years, math scholars have stated it's impossible to use trigonometry to prove the Pythagorean Theorem because doing so would be circular logic. In other words, an idea cannot prove itself.

Calcea Johnson and Ne'Kiya Jackson have challenged that concept in their new abstract. The two high school seniors recently presented their abstract in front of the American Mathematical Society (AMS) at their annual southeastern conference. Unsurprisingly, they were the only teenagers there in a sea of math scholars! Their abstract states, "We present a new proof of the Pythagorean Theorem which is based on a fundamental result in trigonometry." In plain English, that means Calcea and Ne'Kiya proved the theorem using trigonometry after all, and without using circular reasoning.

How did a pair of teenagers solve a riddle that has stumped so many mathematicians before them? Countless math scholars can do nothing facing this theorem. According to Calcea and Ne'Kiya, they have their teachers to thank!

The St. Mary's school slogan is "No Excellence Without Hard Labor", and they mean it! Both girls say their teachers push them to think outside the box and encourage them to discover new concepts. "We have really great teachers," Ne'Kiya said with a smile. Calcea is proud of herself and her friend for doing something no other high school students have ever done.

4. What does the author think of the Pythagorean Theorem in paragraph 2?

A. It has too short a history.

B. It's unattractive to writers.

C. It's too academic to understand.

D. It needs to be proved once more.

5. What did Calcea and Ne'Kiya do about the theorem in front of the AMS?

- A. They proved it using trigonometry. B. They showed it was based on trigonometry.
- C. They said circular reasoning couldn't prove it. D. They introduced a kind of theory similar to it.
6. What does the underlined word "stumped" in paragraph 4 mean?
- A. Helped. B. Excited. C. Puzzled. D. Changed.
7. What do Calcea and Ne'Kiya's teachers ask them to do?
- A. Think creatively. B. Act independently. C. Study curiously.
- D. Live thankfully.

A huge mass of rock slid down a mountainside above a Swiss village Brienz that was evacuated (撤离) last month, stopping just short of the settlement, relieved local officials said Friday.

Brienz is a small village in the mountains of Switzerland. For hundreds of years, the mountain rocks above the village have appeared as if it might fall on the village at any moment.

It didn't just look that way. The mountain was actually moving. Research indicates that since the 1920s, the mountain has been shifting a little over an inch a year. But the movement increased about 20 years ago. Since then, the mountain's rocks have been moving about a yard every year.

In May, the government told the people of Brienz to evacuate. They warned that rock and dirt were expected to slide off the mountain, and it could happen in as little as a week. Last Thursday night, it did happen. It completely covered the road and left a pile of rubble (碎石) as high as a four-story building. But somehow, it missed the village by a "hair".

The building closest to the mountain is the village school. The rubble stopped just a few yards from the school. But villagers are still worried about their church, St. Calixtus, which is over 500 years old. Last Friday, a helicopter flew over the village to check the area. The system that's used to keep an eye on the mountain's movements was damaged in the rockslide. Experts have been working day and night to rebuild it. The local government won't have enough information to decide when the villagers can go back to Brienz until the system is repaired.

According to scientists, it was climate change that made some other recent landslides in

Europe happen. But they say the rockslide that threatened Brienz was not caused by it. In fact, nature has long eaten away the rock in the region, causing the rockslide.

8. On what basis is the author's statement about the movement of the mountain?
- A. The villagers' reports. B. The published statistics.
C. The local people's experience. D. The government's warnings.
9. What are the experts most concerned about?
- A. Moving the village school in danger. B. Protecting the time-honored church.
C. Repairing the monitoring system. D. Rebuilding the homes of the people.
10. What caused the rockslide at Brienz according to the scientists?
- A. Human activity. B. Climate change. C. Heavy rain.
D. Rock weathering.
11. Where is the text most likely taken from?
- A. A science magazine. B. A local newspaper. C. A geography textbook.
D. A guide book.

Scientists at the University of Washington (UW) have come up with an unusual way to help farmers get information about the plants in their fields.

Farmers already use drones (无人机) to collect information about their crops. But they can only fly for 10 to 20 minutes, and can only travel for a few miles. Last year, the team at UW showed off "RoboFly", a tiny robot that weighed as much as a toothpick and could fly. But it can't fly far at all and it needs a laser (激光) for power. So the scientists began to think about things that already knew how to fly, which led them to the bumblebees (大黄蜂) that fly all day. Compared to many flying insects, bumblebees are so large and strong as to fly carrying almost as much as their own weight.

The UW scientists created a special device with sensors, a small battery, and a way of storing tiny amounts of information. This "backpack" weighs about as much as seven grains of dry rice.

To track the bee, the scientists send radio signals from several spots along the edges of the field where the bee is. The tiny computer on the bee's back uses the strength of the signals to figure out where it is. The backpack records information about the temperature and light. When the bee returns home at the end of the day, a device can wirelessly download the information the bee has collected. Another device can wirelessly recharge the backpack's

In the UW experiment, the scientists cooled the bumblebees down so that they stopped moving, and then glued the backpacks onto the bees. But it would be difficult for farmers to do the same thing for hundreds of bumblebees. Besides, bumblebees don't live long — about a month. Farmers would need to be careful as the bees got older, otherwise the trackers could die while they are out in the field, leaving the electronic litter behind.

A. They cost much. B. They need charging. C. They can't travel long.

D. They aren't strong.

A. Send radio signals. B. Guide the bee home.

C. Collect crops' situations. D. Exchange the battery.

A. Putting them on the bees more effectively. B. Making sure the bees live much longer.

C. Recycling the electronic litter on time. D. Making them cheaper and cheaper.

A. Bees Work Better Than Drones and RoboFly B. Scientists Invent Bee Robots to Help Farmers

C. Bees Tell Farmers How Crops Get AlongD. Scientists Make Sensors Bees Can Wear

The best game designers are people who have a wide range of interests, because you want to bring those into games. ____17____, but you might also be someone who loves painting or writing stories, or making music, or even just listening to music. For instance, I

love listening to hip-hop and rap. Whatever your interests are, there is a space for that in games to tell these amazing new stories.

___18___?

I would love for my work to change the way people think about representation in games. I'm all about telling stories that make people feel seen. For me, growing up as a little brown girl, I didn't see any characters who looked like me. ___19___.

What's your advice for future game designers?

___20___, if you want to be a game designer. If you like writing stories, or you like drawing or painting or designing board games—whatever it is—there is a place for you in games. Don't take no for an answer. That's how I got to where I am.

- A. You might love playing games
- B. How do you become a game designer
- C. That's something I really want to change
- D. One minute, I might be fixing some code
- E. What effect can you have as a game designer
- F. What inspires you to start your own game-development company
- G. I would say absolutely follow your passion and believe in yourself

二、完形填空

Lilyma Khan wished to be a chef like her father. When she was three years old, she'd watch her father ___21___ for the entire neighbourhood in his restaurant. But these evenings, filled with food, laughter, and warmth, were ___22___ —at the age of 5, her parents died.

___23___ five years old, Lilyma had to face the ___24___ of her parents. At the same time she would also face the struggle to ___25___ herself, looking for food from dustbins.

Later she went into Kilkari Rainbow-Home where everything ___26___ for Lilyma. She got access and opportunity to give ___27___ to her dreams. After finishing Class 12, she was able to earn money by working at a ___28___ thanks to a-charitable organisation that provides skills training to ___29___ young adults.

___30___ to cook for the staff at the restaurant, the ambitious teen was not ___31___. She wanted to cook for the customers of the restaurant, and was ready to ___32___ the effort.

Seeing her ____ 33 ____, the chefs at the restaurant slowly took her under their wings and ____ 34 ____ teaching her basics. Today, Lilyma leads a team of 35 people at Dear Donna.

“Have courage to move ahead in life. From being hungry all the time, I am now able to feed many. You too can achieve your dreams,” says Lilyma, with ____ 35 ____ in her voice.

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|--------------------|---------------|------------------|--------------------|
| 21. A. compete | B. struggle | C. cook | D. perform |
| 22. A. admirable | B. limited | C. unforgettable | D. exciting |
| 23. A. Simply | B. Eventually | C. Gradually | D. Typically |
| 24. A. conflict | B. criticism | C. loss | D. dissatisfaction |
| 25. A. teach | B. behave | C. adjust | D. feed |
| 26. A. worked | B. changed | C. faded | D. continued |
| 27. A. wings | B. directions | C. colours | D. options |
| 28. A. school | B. charity | C. supermarket | D. restaurant |
| 29. A. intelligent | B. uneducated | C. disabled | D. underprivileged |
| 30. A. Hired | B. Adopted | C. Forced | D. Persuaded |
| 31. A. surprised | B. lazy | C. satisfied | D. confident |
| 32. A. look for | B. put in | C. call for | D. go without |
| 33. A. honesty | B. talent | C. passion | D. curiosity |
| 34. A. enjoyed | B. imagined | C. avoided | D. started |
| 35. A. pride | B. tiredness | C. friendliness | D. pity |

三、语法填空

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。

It is more than six decades since the death of Lei Feng, a young soldier who showed selfless ____ 36 ____ (devote) to duty, and yet the “Lei Feng Spirit” is still alive, ____ 37 ____ (inspire) a new generation of Chinese people.

Ye Zigui, deputy leader of the Lei Feng Squad (班) — the current name of the military unit in ____ 38 ____ the heroic soldier served—is in no doubt that this spirit should ____ 39 ____ (pass) on to the next generation.

This year marks ____ 40 ____ 60th Lei Feng Day, an event aimed at celebrating the life and spirit of this young soldier ____ 41 ____ (annual), who devoted his spare time and money to helping the needy. He died in an accident in 1962 at the age of 22. In 1963, Chairman Mao

Zedong called on the nation ____42____ (learn) from Lei Feng, with posters put on display featuring Lei in his uniform and a cotton hat, ____43____ he quickly became a public role model with great appeal.

In the Lei Feng Squad, the ____44____ (importance) role model of Chinese people for generations can be seen everywhere; his statue, his photos and copies of his diary are displayed in the room. On the wall ____45____ (be) shining red characters that read, "The former squad leader is always with us."

四、书信写作

46. 上周五，你校为庆祝我国神舟十六号载人飞船（the Shenzhou-16 manned spaceship）成功发射举办了一场活动。请你给校英语报写篇报道，内容包括：

1. 活动目的；
2. 活动内容；
3. 活动感想。

注意：

1. 写作词数应为 80 左右；
2. 请按如下格式在答题卡的相应位置作答。

A Celebration for the Successful Launch of Shenzhou-16 Mission

五、书面表达

47. 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。

10-year-old Aiden went to the first door and knocked on it. An older woman answered the door.

"Good morning!" Aiden said. "My name is Aiden. My mom is sick, and I want to get

food for her. Can I get some money, please?” But the woman suspected and refused. Aiden didn’t lose heart and knocked on the second door. “Can I please ask for some money, ma’am? My mom is very sick!” he begged sadly. The woman who answered the door gave him a concerned look. “Oh! Should I call the CPS (儿童保护署) or an ambulance? Do you want me to come with you?”

“Ugh, well,” Aiden hesitated. “It’s alright. I just remembered I had to go somewhere,” he ran away. That whole day, Aiden went from door to door asking for money, but sadly, he got none.

A couple of days later, Aiden returned to the neighborhood and saw a new couple had moved into what used to be an empty house. He decided to try his luck and knocked on the door, and a young woman answered.

Aiden told her his name and repeated what he said to the other residents. The woman smiled, “I’m Lauren. Just wait here. I’ll get you some money and food, okay?” Aiden nodded as Lauren went inside. She returned with two huge bags of groceries and a \$100 bill. “I hope these can help your mother,” she said.

“Thank you!” he exclaimed happily as he carried the two bags over his shoulder and ran away.

Waving him goodbye, Lauren realized that Aiden was hiding something. She decided to drive after him secretly to find out more about his story. Soon, they came to an area without houses, and then Aiden disappeared under a bridge. Lauren pulled over and walked to the bridge. She spotted him and froze. Aiden was living with a little girl in a tent under the bridge. She heard Aiden saying to the girl, “Beth, we have food now. You won’t go hungry.”

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。

Lauren turned up suddenly in front of them.

After listening to Aiden's story, Lauren had an idea.

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/525004022112011112>