全品

教辅图书 功能学具 学生之家
基础教育行业专研品牌

30⁺年创始人专注教育行业

全品学练考

AI智慧升级版

主编 肖德好

练习册

高中英语

必修第二册 BS

本书为智慧教辅升级版

"讲题智能体"支持学生聊着学，扫码后哪里不会选哪里；随时随地想聊就聊，想问就问。

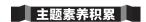天津出版传媒集团
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图书介绍

01 培养核心素养，聚焦主题语境

Unit 4　INFORMATION TECHNOLOGY

主题素养积累

The Internet：a world without frontiers（边界）

The Internet has the power to connect people across the world to a single shared community. Billions of people in different parts of the world have joined it already，and obviously many more will follow. Even in the countryside，the Internet enables people to reach beyond their villages and **get in touch with** the outside world. We can achieve almost anything online—with access to the Internet come some truly life-changing **advantages**.

One of the greatest advantages of the Internet **lies in** the quick and easy access to a huge amount of information. **To a certain extent**，the world's knowledge is all at our fingertips. With the **click** of a mouse or the touch of a button，it is possible to find out almost anything we care to know.

The Internet has also made our lives unbelievably convenient，with all sorts of goods and services provided by electronic commerce，more commonly known as e-commerce. You can have food delivered to you using food delivery apps and sites. Why wait hopelessly for a taxi in the cold rain？It is now simple and fast to order one with a taxi app. Sit back and relax indoors for a few warm minutes until the driver arrives.

Above all else，the Internet helps us establish our hobbies.

While the Internet brings many valuable advantages，being connected has its problems. As with any great invention，we must be aware of these problems and be careful to use the Internet properly and responsibly. **Only in this way can the Internet be a place of discovery，wonder and inspiration for everyone.** It is truly a world without frontiers.

【主题词句背诵】

1．get in touch with 和……取得联系
2．advantage *n*.好处
3．lie in 在于，存在于
4．to a certain extent 在一定程度上
5．click *n*.点击
6．get in the way 妨碍
7．The Internet has also made our lives unbelievably convenient，**with all sorts of goods and services provided by electronic commerce**，more commonly known as e-commerce.
互联网通过电子商务——也就是通常所说的电商——提供各种各样的商品和服务，使我们的生活变得异常便利。
8．**No matter where we are**，we are able to keep in contact with loved ones，find long-lost friends and discover whole new communities **who share our hobbies.**
不管身在何处，我们都能与所爱之人保持联系，找到

02 夯实语言基础，搭建知识框架

词汇点睛

1．enable *vt*.使可能，使发生

（教材 P6）**enable** better communication 实现更好的沟通

(1)enable sb to do sth	使某人能做某事
(2)able *adj*.	有能力的；(某方面)擅长的
be able to do sth	能够做某事，有能力做某事
(3)ability *n*.	能力；才能
have the ability to do sth	有做某事的能力

【活学活用】

(1)单句填空

①Joining a club enables teenagers _____ (make) new friends with similar interests.

句型透视

1．（教材 P9）**The use of several avatars can also be a risk，as people can use avatars to cheat others online.** 使用数个虚拟形象也可能会带来风险，因为有人可能会在网上使用虚拟形象来欺骗他人。

句型公式

as 引导原因状语从句

【相关拓展】

as 作连词/关系词，可以引导以下从句：

①as 引导方式状语从句，意为"按照，如同"。

②as 引导时间状语从句，意为"当……时；随着"。

③as 引导原因状语从句，意为"既然，由于"。

④as 引导让步状语从句，意为"尽管"，从句用倒装语

课内基础巩固

I 单词拼写（每小题 1 分，满分 5 分）

1. This ＿＿＿＿＿＿（应用程序）will come in handy when you need to organise your notes.

2. Her ＿＿＿＿＿＿＿（以自我为中心的）attitude made it difficult for her to work effectively in a team environment.

3. Judging from the wild clapping and cheers that filled the cinema，everybody agreed that it was ＿＿＿＿＿＿（确实）the best film of the year.

4. A student profile can include the name，age，grade，＿＿＿＿＿＿（个性），hobbies and so on.

5. The a ＿＿＿＿＿ on my phone has a super

7. Various learning materials can ＿＿＿＿＿＿（download）for free，allowing students to learn at their own pace.

8. The boy's face went red when he admitted ＿＿＿＿＿＿＿（cheat）in the exam.

III 短语填空（每小题 2 分，满分 12 分）

1. Having been working in the office ＿＿＿＿＿ ＿＿＿＿＿（整天），I am now tired and sleepy.

2. Importantly，these physical improvements ＿＿＿＿＿＿＿＿ ＿＿＿＿＿＿（对……有积极影响）mental health，as the mind and body are connected.

3. He isn't feeling well today，so you should ＿＿＿＿＿＿（小心）what you say to him.

4. Many teenagers ＿＿＿＿＿＿＿＿＿＿＿

课后素养提升

V 阅读理解（每小题 2.5 分，满分 10 分）

Have you ever joyously stepped out to your backyard garden，only to find your carefully cared-for plants and herbs dying? Was the soil too dry? Did pests find their way in? During times like these，some frustrated gardeners may wish their plants would just tell them what they need. A new Microsoft-partnered project in the UK is trying to see if that concept can be realized in the real world.

Next year，the Royal Horticultural Society in England will show off an "intelligent garden" that uses an AI model to monitor the garden's environment and inform gardeners when it needs care. Visitors can ask the AI-powered garden questions. The model could then respond with

opportunity". "I am excited to see how AI can assist gardeners to help make a meaningful impact that will help us all garden and grow more sustainably，" Massey said in a recent interview.

（　）**1.** Why does the author mention frustrated gardeners in the first paragraph?

　A. To emphasize the importance of plant care.

　B. To introduce AI's potential application in gardening.

　C. To complain about the difficulties of gardening.

　D. To describe the common problems in gardening.

（　）**2.** What can visitors do in the "intelligent garden"?

VII 写作

第一节　应用文写作（满分 15 分）

假定你是李华，上周二你们班开展了一场以"网络用语"（Internet slang）为主题的辩论赛。请你给美国网友 Leah 写一封邮件分享这次活动，内容包括：

1. 正反双方观点；

2. 你的看法。

注意：写作词数应为 80 个左右。

Dear Leah，

I'm writing to share with you a debate I had in class last Tuesday. ＿＿＿＿＿＿＿＿

＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿

第二节　读后续写（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。

"Surprise!" was the first thing I heard when I opened the door. My family and friends were all smiling at me. There were colourful balloons all over the house，a big poster saying "HAPPY BIRTHDAY"，and of course a cake with 12 candles. It was a wonderful feeling. I knew that I had finally turned twelve and I might possibly get the thing I wanted most.

I saw my mum and dad coming towards me with a small box which seemed to be a birthday present. When I opened the box，I couldn't

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Unit 4 INFORMATION TECHNOLOGY

Period One Topic Talk

课内基础巩固

Ⅰ 单词拼写（每小题 1 分，满分 5 分）

1. This _____（应用程序）will come in handy when you need to organise your notes.

2. Her _____（以自我为中心的）attitude made it difficult for her to work effectively in a team environment.

3. Judging from the wild clapping and cheers that filled the cinema，everybody agreed that it was _____（确实）the best film of the year.

4. A student profile can include the name，age，grade，_____（个性），hobbies and so on.

5. The a _____ on my phone has a super loud sound to ensure I wake up.

Ⅱ 单句填空（每小题 1.5 分，满分 12 分）

1. The _____（convenient）of mobile payment has changed the way people shop.

2. Another _____（recommend）for parents is to think about their own beliefs and goals for their kids.

3. The _____（explore）of outer space has already had a far-reaching effect on scientific fields.

4. This new teaching method is highly _____（effect）in improving students' grades.

5. When she first saw the robot，she felt _____（alarm）because he seemed more like a human than a machine.

6. The new software enables users _____（design）their own unique avatars in minutes.

7. Various learning materials can _____（download）for free，allowing students to learn at their own pace.

8. The boy's face went red when he admitted _____（cheat）in the exam.

Ⅲ 短语填空（每小题 2 分，满分 12 分）

1. Having been working in the office _____（整天），I am now tired and sleepy.

2. Importantly，these physical improvements _____ _____（对……有积极影响）mental health，as the mind and body are connected.

3. He isn't feeling well today，so you should _____（小心）what you say to him.

4. Many teenagers _____（沉迷于）social media，updating their avatars frequently to gain more attention.

5. We would appreciate it if you could reply _____（尽早，尽快）.

6. After years of hard work，he _____（被录取）a super renowned university that he had long dreamed of.

Ⅳ 句型训练（每小题 3 分，满分 9 分）

1. 生活不在于你取得了什么成就，而在于你从这段旅程中学到了什么。
   Life is not about _____，but about _____.（what 从句）

2. 想要参加这个活动的学生需要在八点在学校门口集合。
   The students _____ _____ need to gather at the school gate at 8：00.（定语从句）

3. 想到要在公众场合发言使他感到紧张，心怦怦直跳。

The thought of speaking in public _____

_____ ,
his heart pounding wildly. （make＋宾语＋宾语补足语）

阅读理解（每小题2.5分,满分10分）

　　Have you ever joyously stepped out to your backyard garden，only to find your carefully cared-for plants and herbs dying? Was the soil too dry? Did pests find their way in? During times like these，some frustrated gardeners may wish their plants would just tell them what they need. A new Microsoft-partnered project in the UK is trying to see if that concept can be realized in the real world.

　　Next year，the Royal Horticultural Society in England will show off an "intelligent garden" that uses an AI model to monitor the garden's environment and inform gardeners when it needs care. Visitors can ask the AI-powered garden questions. The model could then respond with phrases like "I need a bit more water" or "I could use a haircut" depending on data captured in the soil. Apart from the pleasant chat with plants，the garden will provide visitors with a physical representation of the many ways AI could be used to improve sustainability（可持续性）and conservation efforts moving forward.

　　When the garden is completed，it will rely on a network of sensors throughout the garden measuring environmental factors like soil moisture and nutrient levels as well as wind and projected rainfall. All of that data is then sent to a specially designed AI model housed in a room at the back of the garden. The model，powered by Microsoft's Azure OpenAI Service，can then analyse those factors and inform gardeners of feeding，watering and trimming（修剪）plants.

　　Tom Massey，one of the garden's two designers，described the project as a "unique opportunity". "I am excited to see how AI can assist gardeners to help make a meaningful impact that will help us all garden and grow more sustainably，" Massey said in a recent interview.

（　　）**1.** Why does the author mention frustrated gardeners in the first paragraph?
A. To emphasize the importance of plant care.
B. To introduce AI's potential application in gardening.
C. To complain about the difficulties of gardening.
D. To describe the common problems in gardening.

（　　）**2.** What can visitors do in the "intelligent garden"?
A. They can teach the AI model to recognize different plants.
B. They can use the AI model to design their own gardens.
C. They can adjust the environment of the garden perfectly.
D. They can communicate with the AI-powered garden.

（　　）**3.** What's the main idea of the third paragraph?
A. The data collected by AI in the garden.
B. The location of the AI model in the garden.
C. The process of how the garden works.
D. The functions of the sensors in the garden.

（　　）**4.** What's Tom Massey's attitude towards the project?
A. Positive.　　　　B. Neutral.
C. Negative.　　　　D. Indifferent.

Ⅴ **阅读七选五**（每小题 2.5 分,满分 12.5 分）

How to add green tech to your home

Green tech involves combining technology and science to create environmentally-friendly products. The idea is that by using products and services in the home to reduce energy consumption，waste，or harmful effects on the environment，we can all help the planet. 1._____

Install smart light bulbs.

One quick way to reduce energy use is to switch all your light bulbs to energy-efficient versions called smart bulbs and use a virtual assistant to control them. These bulbs tend to use about 7 to 9.5 watts of power yet provide the same amount of light a 60-watt ordinary bulb offers. 2._____ Just use your phone to shut them down.

3._____

Smart plugs are a great option，too，for controlling devices like televisions，coffee makers，or almost anything that is plugged into a wall socket to work. Devices like these use energy just by being plugged in，so using your phone or virtual assistant to turn the plugs on or off as needed helps stop energy drain in its tracks.

Upcycle or recycle your old tech.

Tech is everywhere in our homes，and when a device gets old，we tend to replace it with a newer，better and faster version. It's okay to get the latest device，but why not reuse and repurpose the older ones? For example，you can upcycle your old computers and laptops by repurposing them into home security monitors. Got an old Android phone? 4._____

It's not hard to start adding green tech to your home. 5._____ Once you start，you'll quickly see how convenient green tech can be and how easy it is to start using it.

A. Add smart plugs everywhere.

B. Forgot to turn off the lights?

C. Anyone can achieve it easily.

D. Upcycle it into a remote control for your TV.

E. Upcycle it instead of throwing it into the dust bin.

F. The real difficulty is in deciding to take that first small step today.

G. Below are several quick and easy ideas you can start using today.

Ⅵ **语法填空**（每小题 1.5 分,满分 15 分）

It is very possible to liven up a history lesson. Believe it or not，one 1._____（power）way is through the use of technology. What surprises us most is that when history goes high-tech，great things can happen! Here are a few ideas.

Produce newspaper 2._____（article）about historical events or figures. Students can get as creative as they'd like. Perhaps they'd like to pretend to interview 3._____ person in history to get a "first-hand" idea of what life 4._____（be）like at that time. Free online tools make this type 5._____ activity fun for students，and these tools can 6._____（use）to record research and ideas.

Bring digital storytelling to the classroom. Digital storytelling employs the use of various software programs，7._____（allow）students to create historical documentaries. Movie-making comes alive as students gather texts，narrations（旁白），images，videos，and audio（音频的）pieces to tell stories from history 8._____ are important to them. They are able 9._____（put）their critical thinking and problem-solving skills to good use，along with much creativity.

History doesn't have to be the subject that 10._____（rapid）puts students to sleep. With a little thinking outside the box，in fact it can become a class that students rush to each morning.

Period Two Lesson 1 Avatars（Reading）

❶ **单词拼写**（每小题 1 分,满分 6 分）

1. We can download apps ，documents，and
   _____（图像）whenever we need them.

2. Keeping a language alive can strengthen
   people's sense of _____（身份）and
   most importantly lead to the preservation of
   a whole culture.

3. The _____（性别）of the newborn kitten
   was difficult to determine at first glance.

4. His _____（博客）posts show his unique
   personality through humorous stories.

5. The _____（实验）showed that
   plants grow faster when they receive more
   sunlight.

6. The v_____ tour allows us to explore
   the ancient castle without leaving home.

❷ **单句填空**（每小题 1.5 分,满分 15 分）

1. It is getting dark，so I think the _____
   （sense）thing would be to take a taxi home.

2. He made a careful _____（select）
   of clothes for the party to show his unique
   personality .

3. She was _____（obvious）the best
   candidate for the job，given her extensive
   experience and skills.

4. People with different personalities may
   express their _____（creative）in
   different ways.

5. _____（variety）activities are
   organised in our school，like football games
   and singing contests.

6. She was deeply _____（concern）
   about her friend's health after hearing the
   news of the accident.

7. The maths problem was so _____（trick）

that it took the students over an hour to
solve it.

8. People who are addicted to online shopping
   may _____（cheat）by fake product
   reviews.

9. Different _____（type）of personalities
   can have a great impact on how individuals
   interact in various social settings.

10. The new policy was viewed _____ a
    significant step forward in environmental
    protection efforts.

❸ **短语填空**（每小题 2 分,满分 10 分）

1. According to the doctor's recommendation ，
   we should eat _____
   （各种各样的）foods to keep healthy.

2. Those who are addicted to scientific research
   always _____（用……做实
   验）new ideas.

3. _____（就我而言），
   we should download useful apps to help us
   study.

4. _____（从
   一种科学的角度出发），the long-term use of
   electronic devices has a significant effect
   on our eyesight.

5. He _____（哄骗我）buying this
   super expensive and useless toy yesterday.

❹ **句型训练**（每小题 3 分,满分 9 分）

1. 首先,上一门中文课很重要,因为你可以向
   老师学习,并与同学们一起练习。
   First of all，it is important to take a Chinese
   course，_____
   _____.
   （as 引导原因状语从句）

2. 这个孩子如此害怕,以至于紧紧地抓住妈妈的胳膊。

The child was ＿＿＿＿＿＿＿＿＿＿ he clung tightly to his mother's arm.（so...that...句型）

3. 在我有时感到无用的时候,照料植物给了我一种成就感。

Tending to the plant gave me a sense of accomplishment at a time ＿＿＿＿＿＿＿＿＿＿ ＿＿＿＿＿＿＿＿＿＿.（定语从句）

课后素养提升

Ⅴ 完形填空（每小题 1 分,满分 15 分）

Automation（自动化）certainly has its advantages. I am ___1___ for 24-hour ATMs, the convenience of the Internet and a cellphone with various services. ___2___ I also miss the face-to-face interactions with people that automation has replaced.

Thus，I recently decided to spend a day achieving all of my goals in a(n) ___3___ manner. I began by going to the bank. On my arrival，I found I was the only customer. One of the three tellers ___4___ me from a long-ago visit and warmly greeted me. After I got my money，we talked for a few minutes，sharing ___5___ about our children. Then I moved on to the post office，where the letter I was sending to Iceland stirred up a(n) ___6___ comment by an employee, who longed to visit that country. I spent five minutes encouraging him. There followed a visit to the ___7___, where I walked past the self-checkout and was welcomed by a cashier，who ___8___ that for only one penny more I should get an ___9___ carrot.

That evening I had dinner with a friend and reported my ___10___ to her. She listened attentively and ___11___ that I could have banked，ordered stamps and shopped with my cellphone，and it would have taken ___12___ an hour. True，but I would have ___13___ all those kind words and friendly smiles. It was after ___14___ with the bank teller，the postal employee and the cashier that I felt better as someone took the time to ___15___ our meeting.

(　)**1.** A. eager 　　　 B. ready
　　　　 C. thoughtful 　 D. thankful

(　)**2.** A. And 　　　　 B. But
　　　　 C. So 　　　　 D. Or

(　)**3.** A. advanced 　　 B. non-digital
　　　　 C. informal 　　 D. self-service

(　)**4.** A. appreciated 　 B. impressed
　　　　 C. remembered 　 D. attracted

(　)**5.** A. schedules 　　 B. tips
　　　　 C. notes 　　　 D. news

(　)**6.** A. excited 　　 B. confused
　　　　 C. satisfied 　　 D. annoyed

(　)**7.** A. apartment 　 B. bank
　　　　 C. restaurant 　 D. supermarket

(　)**8.** A. demanded 　 B. admitted
　　　　 C. suggested 　 D. applied

(　)**9.** A. extra 　　 B. expensive
　　　　 C. amazing 　　 D. unusual

(　)**10.** A. affair 　　 B. progress
　　　　 C. experiment 　 D. idea

(　)**11.** A. praised 　　 B. commented
　　　　 C. recommended 　 D. protested

(　)**12.** A. more than 　 B. less than
　　　　 C. other than 　 D. rather than

(　)**13.** A. missed 　　 B. reserved
　　　　 C. preferred 　 D. suffered

(　)**14.** A. talking 　　 B. dealing
　　　　 C. meeting 　　 D. comparing

(　)**15.** A. plan 　　 B. identify
　　　　 C. attend 　　 D. warm

Ⅵ 阅读七选五（每小题 2.5 分,满分 12.5 分）

The rise in popularity of the Internet in the late 20th and 21st centuries has given rise to

memes! According to Merriam-Webster, a meme is something interesting, such as a captioned（加文字说明的）picture or video, which spreads widely online. 1._____ It was born in 2012 and yet is as alive as ever.

Knowingly or not, you've probably used memes even if you're not always online. KnowYourMeme.com has been documenting the spread of memes ever since it was founded in 2008. 2._____ In 2016, *Fortune* magazine reported that memes were the most searched term of the year. Companies, like Gucci and Nickelodeon, have begun using memes as a marketing strategy.

Memes usually have a very popular picture with a space for words. People can easily make their own meme by putting different words in that space to express their feelings. 3._____ In addition, memes can nearly effortlessly receive a large number of likes or retweets. The positive social media attention serves as a sense of acceptance for many, especially young people.

4._____ The humour of many memes is related to teens and topics that have a lot to do with their lives. According to the American Psychological Association, it does much good to teens to find something fun to laugh about, especially when they are under great stress. 5._____ Serena Khan, a senior student, says memes affect her positively. "Memes are actually so funny," said Khan. "They can make my day ten times better."

No wonder memes have grown into a positive force in teenage life.

A. Meme culture is developing all the time.

B. So far it has recorded over 18,000 memes.

C. Take Grumpy Cat, a well-known meme, for example.

D. People will turn to memes to express their inner hearts.

E. That leads to the feeling of being part of something bigger.

F. Many agree that memes do help them laugh through hard situations.

G. For teenagers, memes are a way to connect peers with a shared sense of humour.

Ⅶ 语法填空（每小题 1.5 分，满分 15 分）

Technology giant Tencent had announced plans 1._____ an almost entirely car-free "city of the future" in Shenzhen.

Known as "Net City", the 2-million-square-metre urban development（都市开发区）paid more attention to green spaces and self-driving vehicles, according to 2._____（it）designers.

3._____（design）to accommodate（容纳）a population of some 80,000 people, the site of this city-within-a-city primarily served Tencent, the company behind WeChat and China's popular QQ messaging service.

But as well as providing company offices, the neighbourhood was expected 4._____（host）shops, schools and other 5._____（convenience）facilities.

It 6._____（connect）to the rest of Shenzhen via road bridges and 7._____ city's subway system. The firm behind the master plan, NBBJ, hoped that the new district's parks and waterside promenades（步行大道）would attract 8._____（visitor）from elsewhere in the city.

The plan differed from the enclosed campuses pioneered by big tech companies in recent years, according to Jonathan Ward, a design partner at NBBJ. "It's 9._____（definite）a wonderful destination," he said in a phone interview. "It's not meant to be an enclosed island—it's a city full of life and energy, 10._____ will be a vital hub（中心）for Shenzhen."

Period Three　Lesson 2 Apps

Ⅰ 单词拼写(每小题1分,满分8分)

1. Nowadays，people are eager to get the _____（最新的）information about the products they are interested in.

2. If you _____（订阅）to this newspaper，you'll get an extra magazine.

3. Virtual Reality _____（设备）are becoming more and more popular among young people.

4. The _____（材料）used to make this product is indeed of high quality.

5. The _____（性别）of a person should not decide their opportunities in education and employment.

6. She quickly pressed the _____（按钮）on the remote control to change the TV channel.

7. A variety of _____（error）arose during the experiment，making it difficult to draw accurate conclusions.

8. The selection of g_____ in this supermarket is very wide，which can meet different customers' needs.

Ⅱ 单句填空(每小题1.5分,满分12分)

1. The hotel offers comfortable _____（accommodate）with stunning views of the ocean from every room.

2. We received _____（confirm）from the hotel that our reservation has been successfully made for next weekend.

3. The _____（power）image in the advertisement really caught my attention，making me want to explore more about the product.

4. Nowadays，the growth of food _____（deliver）apps is drowning the country with takeout containers and plastic bags.

5. She seemed confident but in _____（real）

she felt extremely nervous.

6. The teacher tries to _____（sure）that every student has the opportunity to show their creativity in class.

7. The _____（favour）conditions allowed the team to complete the project ahead of schedule.

8. It is estimated that China accounts _____ 70 percent of global silk production.

Ⅲ 短语填空(每小题2分,满分10分)

1. The term "AI" is often used _____（简称）when referring to artificial intelligence.

2. Learning that a volunteer is needed for an exhibition of traditional Chinese painting，I am writing to _____（申请）the post.

3. Our programme has attracted hundreds of regular listeners ever since it _____（被建立）two years ago.

4. _____（考虑）the rapid development of technology nowadays，more and more people are relying on digital devices for work and daily life.

5. I am _____（赞同）the new plan because it seems more sensible and can have a positive impact on our project.

Ⅳ 句型训练(每小题3分,满分9分)

1. 如果你想尽快康复,务必听从医生的建议。
_____ _____ if you _____ want to recover quickly.（强调谓语）

2. 是时候我们学习如何减少日常生活中的塑料垃圾了。
It is time that we learned _____ _____ in our daily lives.

3. 学习新语言带来了与不同文化联系的机会。
_____ _____ opens up opportunities to connect with different cultures.（非谓语）

▼ 阅读理解（每小题 2.5 分，满分 20 分）

A

AI generators（生成器）and the avatars they create are developing rapidly. UK-based company Synthesia aims to move this technology further. Recently, it announced Expressive Avatars, which can show a lot of lifelike human feelings. These avatars are part of what Synthesia calls its "digital actors". They have improved facial expressions and human-like voices—an upgrade from other AI systems' robotic sounds.

Synthesia offers more than 160 AI avatars, under the agreement of real human actors. Users can produce videos in more than 130 languages. CEO Victor Riparbelli said that they are not coming for Hollywood; instead, they focus on companies and B2B content, which need communication videos that are easy-to-create and human-like, such as in areas like health care.

Synthesia's Expressive Avatars are powered by its Express-1 AI model. It was trained only on content produced in-house, avoiding false data（数据）. Riparbelli explained that the company hired thousands of actors to record videos for the model to ensure exactness.

The show presented an avatar reacting to words like "I am happy". The avatars' speech style is more natural than previous models. Riparbelli said, "Whether the conversation is cheerful or serious, our avatars change their performance accordingly, showing a level of care and understanding that was once the special area of human actors."

The possible misuse of this technology is a concern, especially considering the risks of deepfake（深度伪造）technology. "We've taken additional steps to prevent the misuse of our technology, including updating our policies to limit the type of content people can make, working on the early finding of dishonest actors, and increasing the teams that work on AI safety," the company said in an announcement.

Synthesia believes that Expressive Avatars will help businesses produce videos that are not only informative but also caring. Riparbelli said, "I think we're looking at an important shift in capabilities within the next six to nine months."

(　　)**1.** What is special about Expressive Avatars?
　　A. They show facial expressions.
　　B. They are more human-like.
　　C. They can update themselves.
　　D. They are good at language translation.

(　　)**2.** What does Synthesia use to train its Express-1 AI model?
　　A. Videos of real actors.
　　B. Data from the Internet.
　　C. Sounds of other AI robots.
　　D. Speeches from previous models.

(　　)**3.** Why is Synthesia's announcement mentioned in Paragraph 5?
　　A. To list some examples of misuse.
　　B. To explain its advantages in technology.
　　C. To show its efforts to deal with the risks.
　　D. To encourage users to create more content.

(　　)**4.** What is the author's attitude towards the Expressive Avatars technology?
　　A. Objective.　　　　B. Doubtful.
　　C. Confident.　　　　D. Uncertain.

B

Do you ever look at your dog, or cat, or a bird flying by the window and wonder, "What on earth are you thinking?"

So many of us regard the animals around us as extensions（延伸）of ourselves, having long and deep conversations with our animal friends and supposing they can completely understand everything we are saying to them.

The gap between human and non-human communication is still huge. But will there ever

be a time when we'll be able to talk to animals and they can reply in the same way? While it seems to be fantastic，could AI and new technologies further the development of animal translation?

Animals communicate by a wide variety of different means. Most of this communication is message passing between the same species，but between-species communication is also rich. Think of an insect or fish changing colour to warn off attackers or remind them of their toxicity（毒性）. But can these happen between humans and other animals?

Any dog owner knows that if you shout at a dog for some wrongdoing，the dog knows it is being told off and answers accordingly. But there is a danger in thinking that animals can fully understand human communication. We human beings have our own awareness and specific human experience. The rest of the animal kingdom experiences the world in a way quite different from ours. So，even if we could understand what their calls mean，would we be able to catch what they are trying to say?

So how can developing technologies help in our understanding of animals? For many years，companies have been saying they've created apps that can "translate animals"，but many of these have been unbelievable or can only offer a very basic level of communication. The development of AI systems and deep learning algorithms（算法）has advanced the idea of using big data to make some kind of dictionary of animals' vocabulary.

（ ）**5**. What is the writer's main purpose in Paragraph 1?
A. To stress the importance of animals' behaviour.
B. To express curiosity about animals' thoughts.
C. To encourage people to communicate more with animals.
D. To show the close relationship between humans and animals.

（ ）**6**. Why does the writer mention fish changing colour in Paragraph 4?
A. To warn people of the toxicity of some fish.
B. To suggest a new way of understanding animals.
C. To prove that animals can communicate with humans.
D. To show an example of communication between different species.

（ ）**7**. What does Paragraph 5 focus on?
A. The challenges of training animals.
B. The ways dogs reply to human shouting.
C. The doubt whether humans can understand animals.
D. The big importance of understanding animal language.

（ ）**8**. What does the author think of using AI for animal translation?
A. It is hopeful but needs more development.
B. It is a waste of time and resources.
C. It is already very successful.
D. It is completely impossible.

Ⅵ 续写语段填空（每小题 2 分，满分 12 分）

1. _____（看到亲密的关系）between Pony（动画狗 Pony）and her dad，Arlyn felt a relief. She was amazed at Pony's heart-warming service and her dad's fondness for Pony. Pony was 2. _____（不仅仅是一个虚拟伙伴）；rather，he had become a member of the family，a loyal friend 3. _____（已经帮助他们度过了艰难时期的；定语从句）. With 4. _____（时间的流逝），Arlyn noticed the improvement in her father's cognitive ability and mood，and he got more engaged in conversations. Arlyn 5. _____（对……感激）Pony. Knowing that Pony was not a substitute for human interactions，she resolved 6. _____（珍惜和她的爸爸在一起的每一刻），for the presence of loved ones was crucial.

Period Four Lesson 3 Internet and Friendships（Reading）

课内基础巩固

❶ 单词拼写（每小题 1 分,满分 6 分）

1. Obviously ，a sincere _____（拥抱）can convey more than words sometimes.

2. A lot of the content posted on social media is _____（肤浅的）or trivial .

3. Balancing study with leisure activities is crucial for students to _____（保持）a healthy and well-rounded student life.

4. Teachers should create an atmosphere for students in class where everybody can voice their _____（观点）freely.

5. The _____（权威人士）who has been doing experiments in this area for years confirmed that the new software is effective.

6. The p_____ of AR -related products in the latest technology exhibition is about twenty.

❷ 单句填空（每小题 1.5 分,满分 15 分）

1. She found it difficult to regain her _____（concentrate）after being interrupted by the loud noise.

2. He _____（brief）described the type of accommodation they would stay in.

3. She came up with a _____（create）idea to decorate the fancy room.

4. Smoking is _____（harm）to our health，which is obviously known to everyone.

5. The _____（argue）between them was mainly about how to view the new policy.

6. Subscribing to this educational magazine is _____（reward）as it provides valuable knowledge that enriches your mind.

7. It was confirmed that many of these customs were narrow，_____（limit）and bad.

8. The professor provided _____（addition）resources for the students who wanted to explore the topic further.

9. The _____（replace）of the old bridge with a new one has improved traffic flow in the area.

10. He didn't explain everything in detail；_____（basic），he just gave us the main points.

❸ 短语填空（每小题 2 分,满分 10 分）

1. Staying up to study does harm to your health. _____（除此之外），it will have an effect on your study the following day.

2. I suggest we communicate with the teachers whenever necessary and _____（集中注意力于）what the teachers say.

3. He _____（关心）the environment and devoted his whole life to protecting it.

4. She always _____（保持联系）her old friends by sending them emoji -filled messages.

5. The teacher graded the students _____（在……的基础上）their participation and homework completion.

❹ 句型训练（每小题 3 分,满分 12 分）

1. 我们认为定期举办这样的活动很有必要,因为它可以加强团队成员之间的联系。
We _____
_____ because it can strengthen the bond among team members. (it 作形式宾语)

2. 正是您的帮助让我能够克服学习上的困难。
_____
enabled me to overcome the difficulties in my study. (强调句)

3. 无论你面临什么挑战，都要保持积极并继续前进。

_____ , always stay positive and keep moving forward. （"no matter＋疑问词"引导让步状语从句）

4. 那抹隐藏在羞涩背后的微笑透露了她真实的喜悦。

The smile _____ revealed a glimpse of her true joy. （过去分词短语作定语）

课后素养提升

Ⅴ 完形填空（每小题 1 分，满分 15 分）

I went for a walk up to a local park and Chester was running about. Suddenly，two dogs appeared，attacking him. He got __1__ and ran off in an unfamiliar direction. I can only __2__ myself—it's like losing a family member. My daughter didn't sleep for three days. She just thought her pet was __3__.

My family had almost lost __4__ until Erica decided to offer her services. She uses a drone （无人机）to help find lost dogs. Equipped with a hi-tech thermal imaging（热成像）camera，the drone can detect heat __5__ from 250 feet in the air. __6__, when asked to help out in a search for a __7__, Erica simply turns up to the dog's last known __8__ and sets up the drone. Having found more than 160 dogs，it's proved pretty __9__.

And it's easy to see why. Can you __10__ Chester running around these woods? To the naked eye（肉眼），it's virtually impossible，but pop the thermal image up and he jumps out， __11__ his owner to bring him safely back home.

Having saved hundreds of dogs，the method is clearly __12__. Erica doesn't __13__ for her services and instead does it for the pleasure of seeing the owners __14__ with their dogs.

Erica's drone has helped create countless happy __15__ and is sure to make many more in the future.

( )**1.** A. concerned B. annoyed
   C. scared D. confused

( )**2.** A. speak for B. focus on
   C. turn to D. adapt to

( )**3.** A. sick B. gone
   C. injured D. stuck

( )**4.** A. attitude B. contact
   C. track D. hope

( )**5.** A. impressions B. signals
   C. experiments D. behaviours

( )**6.** A. Besides B. However
   C. Therefore D. Otherwise

( )**7.** A. family B. job
   C. chance D. dog

( )**8.** A. location B. company
   C. adventure D. arrangement

( )**9.** A. particular B. familiar
   C. successful D. suitable

( )**10.** A. spot B. explore
   C. concentrate D. rescue

( )**11.** A. forbidding B. allowing
   C. ordering D. warning

( )**12.** A. challenging B. improving
   C. working D. surviving

( )**13.** A. apply B. wish
   C. answer D. charge

( )**14.** A. reunited B. recognised
   C. requested D. admired

( )**15.** A. destinations B. solutions
   C. goals D. endings

Ⅵ 阅读七选五（每小题 2.5 分，满分 12.5 分）

Scientists make amazing paint using ideas from nature

The colour in most paint comes from pigments（颜料）—coloured things such as minerals，metals

or chemicals. But nature has another way to create colour，called "structural colour". Structural colour comes from tiny shapes on the surfaces of things like wings，feathers or shells. 1._____ Now scientists have used nanotechnology（纳米技术）to make paint with structural colour.

2._____ They were trying to create a special mirrored surface. But they found super-small clumps of aluminum atoms（铝原子团块）on the surface. The researchers were upset because these small clumps messed up the mirror. Then they realised that the clumps made colour when light hit them. They decided to turn their discovery into paint.

All the colour in the new paint comes from aluminum. There are tiny aluminum pieces and then even smaller nanoparticles（纳米颗粒）that create the colour. The nanoparticles don't really produce the colour. They simply reflect back single colour. 3._____

Because the new paint doesn't have pigments，the paint is so light that it could reduce the amount of fuel used by planes and cars. 4._____ It would only take 1.3kg of structural paint to do the same job.

5._____ In regular paint，pigments break down and fade over time. That's not true for structural colour. Once we paint something with structural colour，it should stay for centuries. What's more，the new paint doesn't heat up like regular paint. That's true even for darker colour. The new paint can keep surfaces up to 16.6℃ cooler than normal paint. Using the paint on buildings in cities could help cool cities and reduce the electricity spent on air conditioning.

A. The new paint has several other advantages.

B. Structural paint could save as much money as possible.

C. Researchers weren't really planning on making paint.

D. The size of them determines which colour gets reflected.

E. Generally，it takes about 500kg of paint to cover an airplane.

F. Normally，we never see the shapes because they're so small.

G. It will probably be a while before you can use structural colour.

Ⅷ 语法填空（每小题 1.5 分，满分 15 分）

China's state-run news agency Xinhua introduced two newest members of its newsroom at the 1._____（five）World Internet Conference in Wuzhen. The groundbreaking AI news anchors（节目主持人），one speaking Chinese and 2._____ other English，are the world's first news anchors based 3._____ the latest AI technology.

Chinese viewers are greeted with a digital version of a regular Xinhua news anchor 4._____（name）Qin Hao. The anchor，5._____（wear）a red tie and blue suit，nods his head in emphasis，raising his eyebrows（眉毛）slightly. "Not only can I accompany（陪伴）you 24 hours a day，365 days a year，6._____ I can be endlessly copied and present at different scenes，" he said.

The English-speaking AI anchor adds，"The development of the media industry calls for 7._____（continue）creation and deep 8._____（combine）with the international advanced technologies. I look forward to bringing you brand new（崭新的）news experiences."

The AI anchors 9._____（join）the daily news reporting team already，reporting news on the agency's social media platforms（平台）. There is no doubt 10._____ they have immeasurable prospects for the future news reporting as they can reduce production costs and improve accuracy and efficiency.

Period Five Grammar

语法专练——过去将来时

❶ **用所给动词的适当形式填空**(每小题 1.5 分,满分 10.5 分)

1. In the lecture yesterday,the adviser made a recommendation that we should be well prepared for whatever _____(come) in the future.

2. He said he was going _____(live) in the countryside after he retired.

3. He said the train _____(leave) at six the next morning.

4. My parents promised me they were going _____(take) me to France the next year.

5. He was 100 percent sure that his new book _____(publish) the next month.

6. We were about _____(quit) when finally we spotted something through the trees.

7. As Aristotle said,no one _____ (choose) to live without friends,even if he had all other goods.

❷ **句型训练**(每小题 3 分,满分 18 分)

1. 索菲告诉我下个礼拜她要来看我。
   Sophie told me _____
   _____.

2. 他正要去一座海边小镇旅行,这时他被告知那里地震了。
   _____
   _____
   when he was told that an earthquake had happened there.

3. 得知将不会被带去看航空表演,那个男孩很失望。
   The boy was disappointed to hear that _____
   _____.

4. 我以为妈妈会给我们做一顿丰盛的晚餐。
   I thought that Mother _____
   _____.

5. 杰克不敢想象没有动物的明天将会是什么样。
   Jack was afraid to imagine _____
   _____ without any animals.

6. 在大学里,道尔不知道自己会成为一名历史小说作家。
   At college,Doyle didn't know that he _____
   _____.

词法专练——复合词

❸ **从方框里选择合适的复合词填空,并注意形式变化**(每小题 1.5 分,满分 15 分)

> sister-in-law, long-distance, sightseeing, breakdown, faraway, world-famous, inside, high-quality, ordinary-looking, so-called

1. Sorry for being late—we had a _____ on the highway.

2. Obviously ,those _____ friends of hers have a bad effect on her.

3. Xi'an is a _____ tourist attraction for its ancient culture.

4. The girl got married to my brother and became my _____.

5. Some people like to lie on the beach,but I prefer _____ to explore some more beautiful places.

6. Could you please tell me how to make a _____ call to the US?

7. In some _____ villages,girls are not as much valued as boys.

8. It was raining hard and we had to stay _____ watching TV all day long.

9. The _____ TV sets made in this company sell well at home and abroad.

10. Though _____ ,he is now one of the super Chinese pop singers.

IV 阅读理解（每小题 2.5 分，满分 20 分）

A

Until now the usual way we identify dogs is with microchipping. In some countries it's even the law. But a company from South Korea has developed an app that can identify dogs a little less invasively. On this phone，I've got the new app，PetNow，which is now using the dog's nose print to identify a dog，just like you can use a fingerprint of a human to make identification. A dog's nose print is very similar as well.

"Now show me your nose，buddy." It takes me a few seconds to take pictures of the dog's nose. "Oh yes，I made it，okay! Then who is the dog? Is it Emma，Lenard，Karl，or Ethan?"

The app analyses the data in the cloud and tells me that this is Emma，and not only that，it's showing me that Emma's been reported as missing. And it's telling me where she was reported missing，and I can share my location with the owner，so they can be reunited.

Unlike a microchip，which could be cut out of a stolen dog，you can't really remove a dog's nose，not without spoiling the dog. And by using the phone's camera to scan，anyone in theory can check a stray dog without any specialist equipment.

Recently，I've spoken to PetNow to find out why they'd settled on nose prints for dog recognition. There may be paws or ears，but some dogs really hate showing up，sharing their paws or their ears. Their nose is actually exposed all the time. And after a dog becomes six months old，the nose print stays there for its entire life，so they believe that it is the best part for identification.

PetNow hopes its app will become <u>mandatory</u> in South Korea to help reduce the number of dogs that are abandoned by pet owners. To do that they will need the backing of the government and a huge marketing push，so that everybody including people who don't own a dog must install the app and know how to use it.

（ ）**1.** Which can be inferred from the passage?
　　A. Dogs' prints are very similar.
　　B. Microchipping a dog is out of date.
　　C. The app can map out a lost dog's original place.
　　D. The app requires specialist equipment.

（ ）**2.** Why did PetNow settle on nose prints for dog recognition?
　　A. Because a microchip can be cut out.
　　B. Because some dogs hate showing up.
　　C. Because their nose print never changes.
　　D. Because their nose is easy to photograph.

（ ）**3.** Which of the words best explains the underlined word "mandatory" in the last paragraph?
　　A. Safe.　　　　　　B. Required.
　　C. Professional.　　D. Easy.

（ ）**4.** What's the best title of the passage?
　　A. Taking pictures for a dog's nose
　　B. Nose print technology on the way
　　C. PetNow saves abandoned dogs
　　D. PetNow identifies dogs with their nose print

B

There is a new kind of robot called Rubion which can smartly tell ripe（成熟的）strawberries，picking them without <u>bruising</u> them and putting them into its basket. It sounds impossible but it is true. Its appearance is not only an answer to the labour shortage in the agricultural industry，but it also allows growers to increase the quality of produce，which in the end benefits the consumers.

It has been a fact that there is a labour shortage in the agricultural industry. But for Octinion Technology Group，the focus is clearly on adding quality. "Thanks to robotics，we have so many possibilities，much more than a human

could ever do. Harvest prediction，picking according to market needs，simply picking when the berries are ripe instead of when workers are available—these are just a few examples of what is possible now for a grower，" says Tom Coen，CEO of the Octinion Technology Group. "The consumer will also notice the difference，as strawberries will be fresher and show less bruising."

Introducing robots into an industry where almost everything gets done by hand is more of a revolution（变革）than evolution. It needs close group action with all partners. Tom Coen says，"Not only have we been working together with growers and test centres across the world for the past few years，but breeders（培育者）have been active in being part of the technological development."

In 2022，a team of Belgian engineers started the development of the robot. In the meanwhile Octinion wasn't the only company presenting an idea. Product Manager Laura Guillaume says it's not a surprise that the company from Leuven is the first to actually present a commercial product. "By developing the robot from the beginning，we are able to make it practical in greenhouses or tunnels." Octinion plans to develop harvesting robots for other crops in the future.

(   )**5.** What does the underlined word "bruising" in Paragraph 1 refer to?

    A. Taking advantage of.

    B. Losing track of.

    C. Having a bad effect on.

    D. Making no harm to.

(   )**6.** What can the robot help a grower do?

    A. Find a close partner.

    B. Pick a skilled worker.

    C. Make a market survey.

    D. Fix a right harvest time.

(   )**7.** What is the author's attitude to the robot's introduction?

    A. Favourable.   B. Cautious.

    C. Unclear.   D. Worried.

(   )**8.** What can be the best title for the text?

    A. Robots can solve labour shortage

    B. Robots can create many possibilities

    C. Harvesting methods are worth improving

    D. Modern agriculture needs new equipment

Ⅴ 语法填空（每小题 1.5 分，满分 15 分）

The 2023 Nobel Prize in Physics has been awarded to a team of scientists who created a groundbreaking technique using lasers（激光）to understand the extremely rapid movements of electrons，which were 1. ＿＿＿＿＿（previous）thought impossible to follow.

"Pierre Agostini，Ferenc Krausz and Anne L'Huillier demonstrated a way to create extremely short pulses（脉冲）of light that can 2. ＿＿＿＿＿＿＿（use）to measure the rapid processes in which electrons move or change energy，" the Nobel Committee said when the prize was announced in Stockholm on Tuesday. It 3. ＿＿＿＿（praise）the winners for giving "humanity new tools for 4. ＿＿＿＿＿（explore）the world of electrons inside atoms and molecules（分子）".

5. ＿＿＿＿ rapid are the movements of electrons inside atoms and molecules that they are measured in attoseconds—6. ＿＿＿＿ almost incomprehensibly short unit of time. "An attosecond is to one second as one second is to the age of the universe，" the committee explained.

"They were able to，in a sense，provide an illumination（照明）tool that allows us to watch the 7. ＿＿＿＿＿＿（gather）of molecules：how things come together 8. ＿＿＿＿＿（make）a molecule，" Bob Rosner，president of the American Physical Society and a professor at the University of Chicago，told CNN.

"The movements happen very quickly and normally we have no idea how they actually occur or 9. ＿＿＿＿ the order of events is，" said Rosner. But their work 10. ＿＿＿＿＿（mean）scientists can now observe how these movements happen，" he added.