

# 第 1 回

(80分)

## 実 戦 問 題

### ● 標準所要時間 ●

|          |           |
|----------|-----------|
| 第1問 6分程度 | 第5問 12分程度 |
| 第2問 6分程度 | 第6問 13分程度 |
| 第3問 6分程度 | 第7問 13分程度 |
| 第4問 6分程度 | 第8問 18分程度 |

# 英 語 (リーディング)

各大問の英文や図表を読み、解答番号  ～  にあてはまるものとして最も適切な選択肢を選びなさい。

## 第1問 (配点 6)

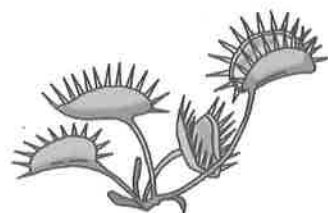
You went shopping for plants at a garden centre in the UK with your host family and found this interesting pamphlet.

### A Guide to Exotic Plants for Kids

Tips for growing insect-eating plants

#### 1. Light and Temperature

The best insect-eating plants for beginners are the Venus flytrap and the Trumpet pitcher. Both grow inside or outside, but if grown inside, they should be placed by a window in direct sunlight.



#### 2. Water and Food

Give both plants rainwater, not tap water. Trumpet pitchers grow best in very wet conditions, so place a tray of water under them to keep the soil constantly wet. Venus flytraps only need watering if the soil feels dry. Venus flytraps catch flies using their leaves, while insects drop into the "trumpet" part of Trumpet pitchers. If the Venus flytrap cannot catch enough flies, you may feed it one fly every two weeks.



### 3. Winter Care

Both plants shed leaves in autumn. They are not dead, so don't throw them away! Store them in a cool room and keep the soil moist. The leaves will return in spring.



問1 This pamphlet is aimed at .

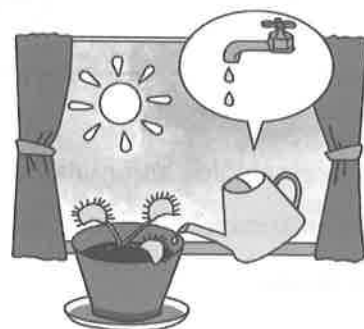
- ① children who want to grow foreign plants
- ② gardeners with experience of exotic plants
- ③ home owners looking for attractive house plants
- ④ plant lovers whose plants often die in winter

問2 In winter, both plants should be .

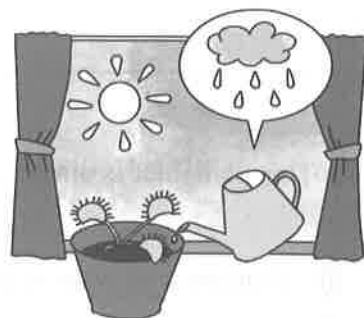
- ① given water and placed in a cool environment
- ② moved into a warm place with direct light
- ③ thrown away if the leaves fall off
- ④ watered more regularly than in summer

問3 According to the pamphlet, which picture best shows how to keep a Venus flytrap inside the home? 3

①



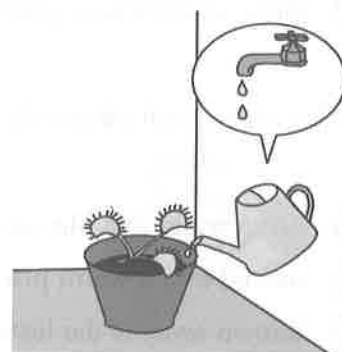
②



③



④



(下書き用紙)

英語 (リーディング) の試験問題は次に続く。

## 第2問 (配点 12)

Your teacher asks you to write an essay about universal basic income (UBI). To prepare, you read a magazine article about the topic.

*Universal Basic Income*

Artificial intelligence (AI) is becoming so powerful that experts say it will soon take over many of the jobs that are now done by humans. But how will people survive without the money they earn from working? Some people say that governments will have to give every citizen money every month to live. This is called a “universal basic income” (UBI) and some countries are already testing this idea.

I interviewed three researchers about this topic at an economics conference in New York. First, they all agreed that people will notice a lot of jobs disappearing in the next three to five years. One of the researchers, Professor Richardson from the UK, mentioned that up to 8 million jobs may disappear in his country. Second, the researchers also stated that all kinds of jobs will be affected, not just low-paid jobs involving simple tasks. Finally, they all suggested that UBI is the only way to help everyone in society. It will also help the economy, because businesses need people to have money and spend it in order to survive.

Another of the researchers, Mexican economist Maria Bautista, said that AI companies should take responsibility for paying UBI because they will benefit the most from this technology. In contrast, Australian researcher Shane Barnes thought the government should manage UBI to make sure that money is given out fairly. He mentioned, however, that some governments are still against UBI because they do not trust people to use the money carefully.

問1 Which of the following did all the researchers agree on?

4

- ① AI will affect people working in many fields.
- ② Jobs will start disappearing in about ten years.
- ③ The UK will be most affected by AI.
- ④ UBI won't be given to wealthy people.

問2 UBI will most likely

5

- ① be paid by governments, despite their lack of trust in people
- ② be tested for the first time in the next three years
- ③ have an insignificant effect on the economy
- ④ help people have money to spend

問3 One researcher's opinion is that

6

- ① companies developing AI should pay UBI
- ② governments cannot be trusted to pay UBI fairly
- ③ millions of jobs in the UK have been taken away
- ④ the Australian government is against paying UBI

問4 Which of the following is mentioned in the article? 7

- ① The benefits UBI brings to companies
- ② The disadvantages UBI will bring to ordinary citizens
- ③ The influence of AI on employment
- ④ The tax AI companies pay

（下書き用紙）

英語（リーディング）の試験問題は次に続く。

## 第3問 (配点 9)

You are an exchange student at a high school in Canada, and your teacher asked you to find an interesting story. You found this story to talk about in class next week.

*Mama Maria's Restaurant*

*Mama Maria's* was a small Italian restaurant owned by my best friend Leo's family. I sometimes helped Leo serve the customers. However, business wasn't going well and Leo was scared that the restaurant might have to close down. Customer numbers had gone down, and the rent for the building had gone up. Leo's parents were thinking of quitting. But Leo, his sister Anna, and I wanted to find a way to save the restaurant.

"We can't let it close down," Leo said, looking at the empty tables. "It's our home."

Anna stood up. "We need to find a new way to attract customers. What do you think, Katie?"

"Well, I have an idea," I said. "Why don't we try using social media? We can get people talking about *Mama Maria's* delicious food."

Leo's cousin, Marco, who was the chef, came out to join us. "And I'll make a special menu for the weekend. People love limited-time special dishes!" It was a Sunday afternoon.

That night, we started to work. Anna and I created a social media page for the restaurant, posting photos of Marco's delicious pasta and old family recipes. Leo contacted a local food blogger and invited him to visit *Mama Maria's* for a free meal in exchange for a review.

Over a week, our social media posts spread gradually, and the customers began to increase little by little. The food blogger had written a wonderful review, and people were excited to try Marco's new dishes.

Then one month after we decided to save *Mama Maria's*, finally the restaurant was full.

"I can't believe this," Leo's mother said, looking at the full restaurant. "You saved *Mama Maria's*!"

Saving the restaurant didn't seem impossible anymore. Leo and his family were tired but happy after serving all of their new customers. I offered to help them clean up after the restaurant closed, but Leo told me that wasn't necessary. "You're our social media manager now!" he laughed.

問1 Which person is telling the story? 8

- ① Anna
- ② Katie
- ③ Leo
- ④ Marco

問2 Choose **four** out of the five options (①～⑤) and put them in the order they happened. 9 → 10 → 11 → 12

- ① The family employed some new staff members.
- ② The family were surprised at the change in their business.
- ③ The family were worried about the decline of their business.
- ④ The food blogger ate in *Mama Maria's*.
- ⑤ The friends discussed a way to solve the problem.

問3 How did Leo and his family most likely feel four weeks later?

13

- ① Confused
- ② Disappointed
- ③ Guilty
- ④ Relieved

第4問 (配点 12)

In English class, you are writing an essay about the benefits to students of volunteering. This is your most recent draft. You are now working on improvements based on comments from your teacher.

| The Benefits of Volunteering                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Comments                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <p>While academic results and sporting achievements are important, volunteering is one of the most rewarding experiences for a student to have. Volunteering is a great way for young people to help their local community or protect the environment. It is also a good way for students to build up knowledge and experience for their future.</p> <p>One advantage of volunteering is the development of new skills. Students can learn leadership, teamwork, problem-solving, and communication skills by taking part in volunteering activities. <sup>(1)</sup> <math>\wedge</math> There are few chances for students to develop these skills at school because of the busy timetable, but practicing them through volunteering will prepare students well for when they become adults.</p> <p><sup>(2)</sup> <math>\wedge</math> Some volunteering experiences connect to students' future careers. For example, students who want to work with children as school or nursery teachers may volunteer to read to children at a library. This shows their future employers that they have a deep interest in their careers and that they are hard-working and responsible.</p> <p>Finally, volunteering helps students to meet new people. The social world of a high school student is quite small, but by volunteering, they can meet people of different ages and backgrounds. They can develop a wider worldview by meeting a variety of people and working with them.</p> | <p>(1) Insert a connecting word here.</p> <p>(2) You should add a topic sentence to this section.</p> |

In summary, through volunteering, students can <sup>(3)</sup> have a nice time. They can develop new skills, gain valuable work experience, and <sup>(4)</sup> have a lovely time with friends. There are many opportunities for students to volunteer, so I recommend that everyone find a way to get involved in this kind of rewarding experience.

(3) This doesn't summarize your argument well. Rewrite it.

(4) This part does not match what you wrote in the fourth paragraph. Change it.

Overall Comments:

Your writing is getting better all the time! Keep up the good work! You're right — volunteering is very good for students. 😊

問1 Based on Comment (1), which is the best word to add? 14

- ① Conveniently,
- ② Interestingly,
- ③ Luckily,
- ④ Unfortunately,

問2 Based on Comment (2), which is the best sentence to add? 15

- ① Another advantage of volunteering is the opportunity to gain valuable work experience.
- ② In addition, volunteers usually meet their future employers when they do volunteer work.
- ③ Next, companies want volunteers who already have a lot of important and useful skills.
- ④ Second, volunteering in hospitals or schools is a good way to work with children.

（下書き用紙）

英語（リーディング）の試験問題は次に続く。

問3 Based on Comment (3), which is the best phrase to replace the underlined part? 16

- ① earn some money while they work
- ② find a new idea for a job
- ③ improve themselves in many ways
- ④ protect nature and the environment

問4 Based on Comment (4), which is the best phrase to replace the underlined part? 17

- ① connect with a variety of interesting people
- ② get together with people with similar opinions
- ③ make friends with people from their school
- ④ take care of people younger than them

第5問 (配点 16)

You are an exchange student in the UK. You recently became the leader of the university's International Society, and you are organising an international food fair. You wrote this email to the previous leader, who will help you with this event, and have received his reply.

August 1, 2025

International Food Fair

Hi Ricardo,

Thank you for agreeing to help me organise this event. I'm a little nervous because although it's not my first time to help manage such a large event, my English is still quite poor. I hope everyone will be able to understand my instructions!

In addition to the 8 food tables selling food from various countries, we have arranged some cultural performances for everyone to enjoy. Please take a look at the schedule.

**Saturday, September 20, 2025**

| Time    | Performance                                             |
|---------|---------------------------------------------------------|
| 10 a.m. | Opening address, Japanese <i>taiko</i> drum performance |
| 12 p.m. | Salsa dance display                                     |
| 2 p.m.  | African drum and dance performance                      |
| 3 p.m.  | New Zealand <i>haka</i> performance, closing address    |

I think you have been in regular contact with the university's main office because you have booked the main hall. Can I check that the following details are correct?

- We have access to the hall from 8 a.m. until 5 p.m.
- We have six volunteers from the International Society to prepare the hall.
- We can use the university's cafeteria kitchen to prepare the food from Friday evening until Saturday evening.
- The drum groups can park near the main hall to avoid carrying their instruments long distances.

Also, I have some more questions for you.

- How many paper plates and cups should we buy?
- Who will give the opening and closing speeches?
- How should we set up the tables and chairs in the hall?

If you have any idea of visitor numbers, please let me know!

I'm really looking forward to the event, despite my nerves. Let me know if you have any questions!

Best wishes,

K. Tanaka  
International Society Leader

August 4, 2025

Re: International Food Fair

Hi!

Thank you for sending me the information about the International Food Fair. Please don't be nervous — you are doing a great job!

As for the schedule, I spoke to one of the members of the haka group yesterday, and some of them have to leave early. Could you contact Fabio from the salsa dance group and ask him if they could change their performance time to 3 p.m? I think he'll say yes, but please let me know what he says.

The main hall and the cafeteria kitchen have already been reserved, and the times you mentioned are also fine. The tables are stored in a small room next to the main hall.

I think one of the volunteers has had to go back to their country suddenly. However, I'll come to help you all from about 8:30.

I have sent out a message on social media to check interest in the event. About seventy people said they would definitely come. We bought far too many paper cups and plates last year, so we have enough left. I'll bring them all on the day of the event.

Why don't I do the opening address, and you give the closing address? Last year, my friend from Mexico gave a presentation about Mexican food. Could you do something similar? Everyone knows about sushi, but I think it would be really good if you gave a quick talk about a Japanese food that is not well-known abroad. I want to talk about how joining the International Society helped me make friends and learn about other cultures when I first arrived here. Tell me what you think!

Finally, last year, we placed the food tables at random on the right side of the hall. There were seats in the eating area on the left as you face the stage. I think we should change it this year so that the tables are on both sides of the hall with the eating area in the centre. Let's put the bins for rubbish and recycling near the door, which is at the back of the room. There should be space in front of the stage so that everyone can gather there for the performances.

Get back to me soon, and keep up the good work!

Ricardo

問1 According to your email, what is your biggest worry concerning your role as event organiser? 18

- ① A lack of preparation time
- ② The difficulty in finding enough volunteers
- ③ The number of visitors
- ④ Your concern over your language skills

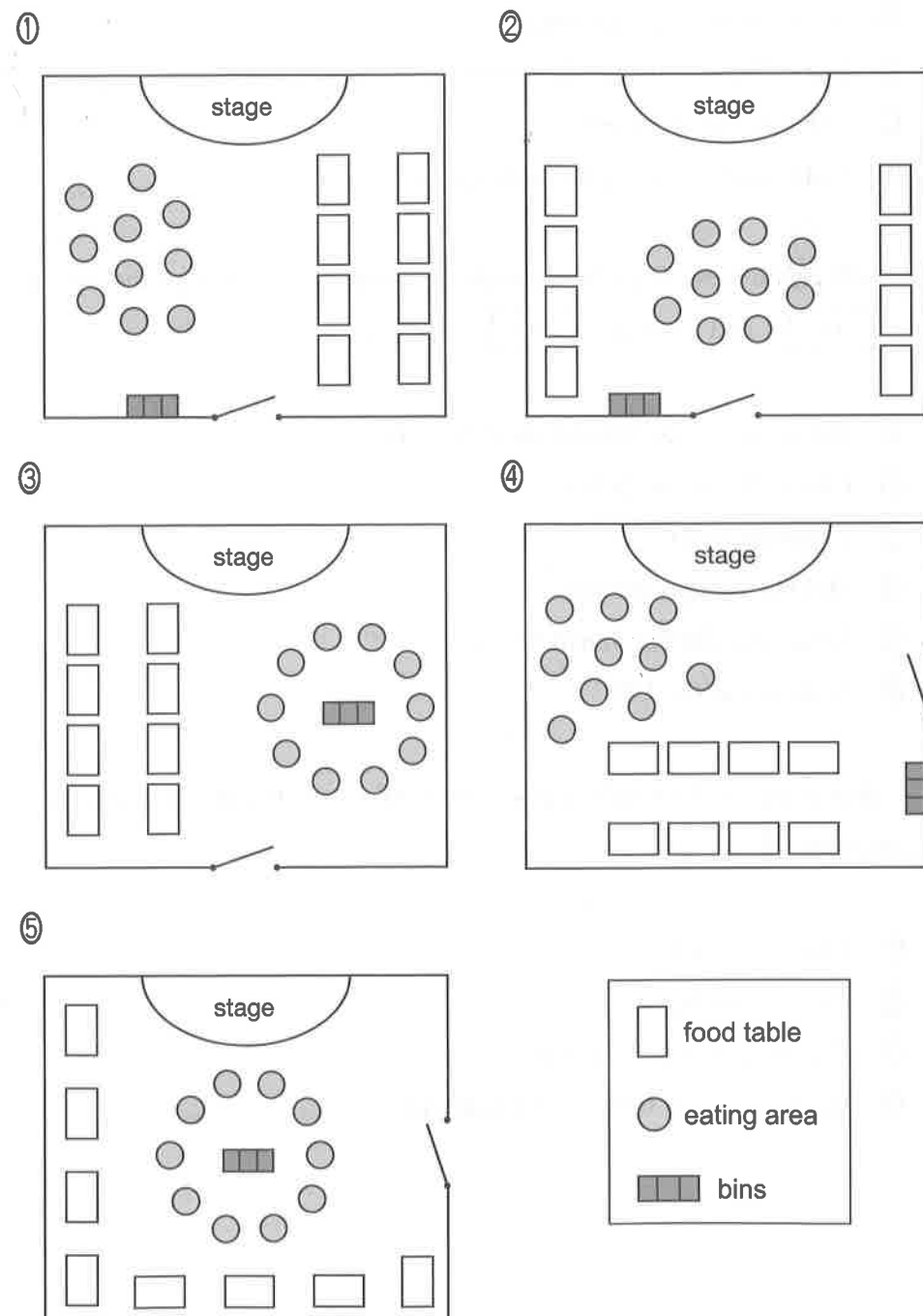
問2 Which of these titles best match the proposed content of the opening ( 19 ) and closing ( 20 ) addresses?

- ① Belonging to the International Society
- ② Classic Mexican dishes
- ③ Enjoying sushi
- ④ Making foreign friends
- ⑤ Some less-famous Japanese foods
- ⑥ Studying in the UK

問3 Referring to Ricardo's reply, which of the following is likely to be changed? 21

- ① Table numbers
- ② The car parking area
- ③ The performance schedule
- ④ The reservation time for the cafeteria

問4 Which diagram best represents Ricardo's suggestion for this year's hall layout? 22



問5 You are going to reply to Ricardo's email. In your reply, which two pieces of information should you include? 23

- A : Fabio's response to your question  
 B : The availability of the cafeteria kitchen  
 C : The time Ricardo should come to the hall  
 D : Your thoughts on the speech topics

- ① A and B  
 ② A and C  
 ③ A and D  
 ④ B and C  
 ⑤ B and D  
 ⑥ C and D

## 第6問 (配点 12)

Your friend, David, has entered a writing contest. He has asked you to read his story and give him feedback.

## The Tortoise's Journey

By David O'Reilly

I've lived a long, long time. I'm not sure how old I am, but I'm older than any human I know. I'm certainly older than Max, my current owner, because I remember when he was born. I also remember when his mother was born. My name is Shelly, and I've been with the Thompson family since I was a tiny baby.

As soon as I had hatched out of my egg, my mother told me stories of the land we came from. She wasn't born in a pet shop like I was. No, she came from across the ocean, from a distant place where the sun was always bright, and the grass was green, sweet, and delicious. I'll never see that place in this lifetime.



When I was around three months old, Jimmy Thompson and his parents took me home from the pet shop. I was a gift for Jimmy from his parents, who thought a tortoise would make a nice friend for him. When Jimmy's sister Alice was born, his parents became very busy, so he and I spent a lot of time together playing outside in the yard. What happy days they were!

One summer, there was a huge storm in our area and I got lost. The rain came pouring down, and the winds blew trash everywhere. The water rose quickly, and I was swept away from our yard. I was terrified of water then, and I still can't stand the feeling of rain hitting my shell. I floated away until I found an area of dry ground. I had no idea where I was.

For days, I wandered the streets, searching for home. My legs grew tired, and my shell felt heavy, but I walked as fast as I could to avoid scary animals like cats, dogs, and rats. I wondered if I would ever see Jimmy and Alice again. An old lady took me home and cared for me. I'm not sure how they found me, but one day, Alice and Jimmy knocked on her door. Jimmy put me in the basket on his bike and we rode home together. I never want to ride a bike again!



Jimmy, Alice and I grew bigger together, but one day, Jimmy disappeared. I heard he went somewhere called "university." I don't know where that is. All I know is that one day he left, and he never lived with us again. I became close to Alice after that. One day, she came home with a man, Peter. Then a little later, they had a baby. That was Max. I was so happy when Max got big enough to play with me. It reminded me of my pleasant days with Jimmy.



Whenever I meet a new human, they look surprised to see that I only have three legs. Max doesn't like it when people ask him about it, but I'll explain it to you. One day, when Max was still a child, he left the gate to the yard open. Beyond the yard, I could see some delicious-looking leaves. I walked toward them. Then, BANG! I don't remember much, but I believe I was hit by a car. I remember waking up in a bright room with many people around me. My leg was gone. It doesn't hurt now, but I remember being in a lot of pain at the time, and the sound of traffic still scares me.



Now, it is just me and Max. We still live in the same house. Mr. and Mrs. Thompson, Jimmy, Alice and Peter have been gone for a while, now. Max is old, slow and gray. But that's fine. We walk at about the same speed and enjoy the same things — sitting in the yard and watching the world go by.

Your email feedback to David

Hi David,

Thanks for sending me your story! It was really moving. I liked how we learned about the various things that happened in Shelly's long life (see below).

24 → 25 → 26 → 27

I found it interesting that Shelly has some strong opinions about things. She hates 28.

I felt sad when I read the sentence "Max doesn't like it when people ask him about it", because I guess that Max 29.

Although I enjoyed your story, I think you can improve it by adding some more details. You could write about 30 and 31, which are not mentioned or suggested. These details would help us learn a bit more about your characters and make the story more interesting.

Good luck with the contest!

問1 Choose **four** out of the five events (① ~ ⑤) and put them in the order they occurred.

24 → 25 → 26 → 27

- ① Shelly gets rescued after floating away.
- ② Shelly has an accident.
- ③ Shelly visits her mother's homeland.
- ④ Shelly's current owner is born.
- ⑤ Shelly's friend Jimmy goes to university.

問2 Choose the correct combination of Shelly's dislikes. 28

A : animals such as rats, dogs and cats

B : riding in the basket of a bike

C : spending time with young children

D : the feel of rain on her shell

E : the hot, bright sun

F : the sound of vehicles

- ① A, B, D, and F
- ② A, C, E, and F
- ③ A, D, E, and F
- ④ B, C, E, and F

問3 Choose the best option for 29.

- ① can't remember exactly what happened then
- ② feels as though the accident was his fault
- ③ is angry with the person who hurt Shelly
- ④ is still surprised about what happened then

問4 Choose the best options for 30 and 31. (The order does not matter.)

- ① how Shelly felt when Jimmy grew up and left home
- ② the different places in which Shelly lived throughout her life
- ③ the reason why Shelly joined the Thompson family
- ④ the relationship between Shelly's current and previous owners
- ⑤ whether Max or Jimmy ever got married or had children

## 第7問 (配点 16)

You are preparing a presentation for a biology project on animal evolution. You found some interesting information in the article below and are now making your outline.

### Surviving Extreme Heat: The Saharan Silver Ant

Only the strongest and best-adapted creatures can survive the extreme heat of the Sahara desert. One such creature is the Saharan silver ant. As their name suggests, these ants are a bright, shiny silver color. They look like tiny balls of metal rolling across the hot sand.

The Saharan silver ant is the fastest of all the 12,000 known species of ant. It can run at a speed of around 85cm per second. When researchers analyzed videos of these ants running, they counted an average of 50 steps per second. To put it another way, they can run around 108 times their body length in just one second. If humans could run that fast, we could reach running speeds of over 640 kilometers per hour. Scientists believe this ability to reach such high speeds is an adaptation that evolved to reduce contact with the hot sand, which can reach up to 70 degrees Celsius in the middle of the day. It may also help them avoid sinking or sliding in the sand, which is a mistake that could cost the ant valuable time in such dangerous heat.

Another adaptation is the ants' very short time spent outside in the sun. Despite the dangerous heat, they actually emerge from their nests during the hottest part of the day. This is to avoid predators such as lizards, which hide from the heat during that time. As soon as the heat becomes too high for predators, the ants must leave their nest and come back before the heat kills them. After going outside, they collect their food within ten minutes and carry it back to their nest to eat it. Their food is the body of other insects that have died in the desert heat.

Finally, the bright silver bodies of the Saharan silver ants are not just for decoration. It is another adaptation that has evolved for the ants to survive in one of the hottest environments on earth. Viewed through a microscope, it becomes clear that these ants are not just silver colored. They are, in fact, covered in thousands of tiny silver hairs. Each hair is long and thin with three sides. If you cut one of these hairs in half and viewed its cross-section, you would see the shape of a triangle. The base of the triangle is flat, while the upper two sides have a wave pattern. There is also a small gap between the hair and the surface of the ant's body. The silver hairs have two functions. The first is to reflect light away from the ant, preventing it from heating up too quickly in the hot sun. The other function is to allow the ant's own body heat to escape efficiently. Thanks to these hairs, the ant can lower its body temperature by about 5 to 10 degrees compared to an ant without hair. The maximum body temperature a Saharan silver ant can survive is 53.6 degrees, so these adaptations allow it to survive in extreme heat long enough for it to find food.

While the discovery of the Saharan silver ant's cooling system is interesting for biology researchers, it also has important implications for engineers. A group of biologists and engineering researchers in the US has come together to adapt the knowledge gained from studying these ants to create new materials and surfaces with the same cooling properties as the Saharan silver ant's hairs. They have already copied the structure of the ants' hair to produce material that effectively reflects the sun and disperses heat. In an experiment, they covered a glass bottle with this new material and exposed it to the heat of the sun. They measured a 5.6 degree reduction in the temperature of the glass bottle compared to a bottle without the new material. They eventually want to build materials that can be used in cars, buildings, engineering parts and even clothing.

Your presentation outline

### The Saharan Silver Ant

#### Adaptations to the Desert Heat

32

- A. High speed
- B. Large body size
- C. Light-reflecting body
- D. Limited time outside

#### Feeding Habits of the Saharan Silver Ant

- The ants 33 .
- The ants 34 .

#### Hair Under the Microscope

35

#### Function of the Hair

- To 36

37

- Cooling clothing
- Vehicle materials
- Engineering parts

問1 Under the heading, "Adaptations to the Desert Heat," you noticed an error in your presentation outline. Which of the following should you remove? 32

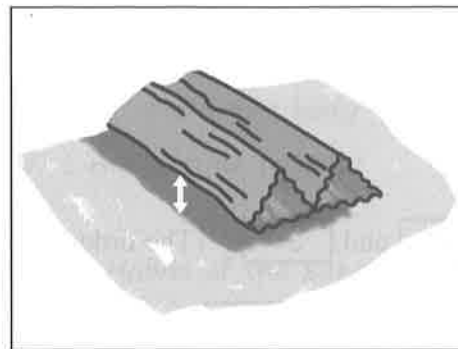
- ① A
- ② B
- ③ C
- ④ D

問2 Choose the best options for 33 and 34 . (The order does not matter.)

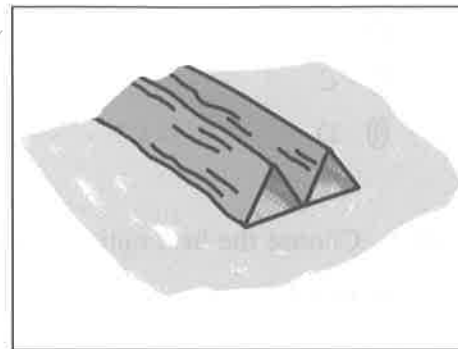
- ① carry the bodies of dead insects back to their nest to eat
- ② eat lizards and other large animals outside their nests
- ③ sleep during the day and eat at night to avoid dangerous animals
- ④ stay in their nests until night before searching for food
- ⑤ wait for predators to hide from the heat before looking for food

問3 You want to use a figure to show the shape of the hairs covering the ants' bodies. Choose the best option for **35** based on the information in the article.

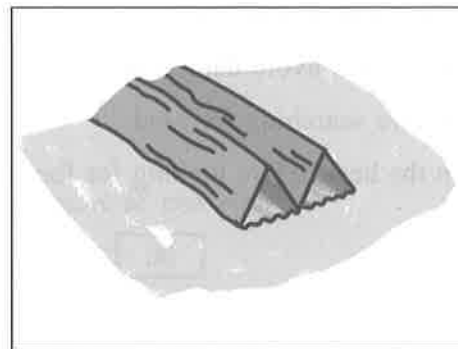
①



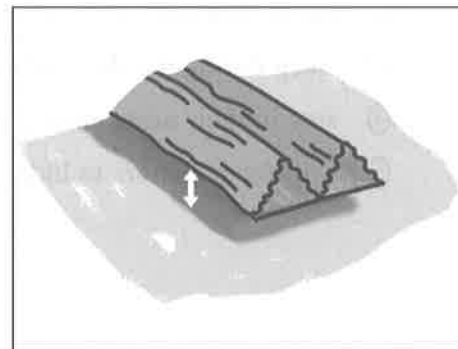
②



③



④



問4 Choose the best option for **36**.

- ① absorb light and retain heat during the day
- ② keep the ants warm during the cold desert nights
- ③ reflect light and allow body heat to escape
- ④ trap the sun's heat close to the body

問5 Choose the best heading for **37**.

- ① Biological Solutions for Engineering Problems
- ② Items That Are Useful in the Sahara Desert
- ③ Materials Inspired by Other Animals in Nature
- ④ Things That React Badly to Extreme Heat

## 第8問 (配点 17)

You are working on an essay about **electric cars**. You will follow the steps below:

**Step 1:** Read a range of opinions gathered from the Internet about electric cars.

**Step 2:** Take a position on electric cars.

**Step 3:** Create an outline of your essay using additional sources.

## ▶ [Step 1] Read a range of opinions

**Shinya (doctor)**

The biggest benefit to switching from traditional gasoline cars to electric cars is lower gas emissions. Of course, electric cars use energy when their batteries are being charged, but after that, they are very clean compared to gasoline cars. This is much better for the environment, and also people's health. Research shows that children living near main roads are at a higher risk of developing breathing problems than children who live closer to nature. I often see young children with breathing problems in my hospital. This is a problem we could solve with moving to electric cars.

**Ellen (Car Life Magazine, editor)**

In the past, no serious driver was interested in driving an electric car, but as technology improves, people's opinions are changing. One reason is that manufacturers are now producing a wider range of reliable, efficient, and more attractive electric cars, and many people are excited about this. In addition, the range of distance that a single charge can cover is improving all the time as more efficient batteries are being developed. On the other hand, we are still waiting for the development of necessary infrastructure. At present, it doesn't seem to be keeping up with the speed of technological evolution. For example, there is still a serious lack of charging points in my country and this must be addressed before electric cars are taken more seriously.

**Jonah (engineer)**

The main benefit of electric cars is zero emissions from the car itself. However, we need to look at the whole lifespan of an electric car to decide whether or not they are actually better for the environment. A study by a major car manufacturer showed that greenhouse gas emissions during production of an electric car are nearly 70% higher than when manufacturing a traditional gasoline car. This is because of the battery, which requires huge amounts of energy to produce. In addition, the batteries only last around 10 years. My question is, are electric cars really better for the environment?

**Caroline (politician)**

We are very much trying to encourage our citizens to buy electric cars instead of old-fashioned gasoline cars, which are terrible for the environment and people's health. We are sure that by increasing the proportion of electric vehicles, we can significantly improve air quality in our cities. This leads to cleaner and healthier cities. We are aware that for many people, purchasing a new electric car is very expensive, so we are providing financial help to people who need it. We are also working on increasing the number of car charging stations around the country.

**Eddie (car mechanic)**

I've recently started working at an electric car company, and I fix them when they break down. I like them, but I'm a little worried that they are not as "green" as people say. In particular, the batteries are difficult to make and difficult to recycle when they are no longer useful. If they are not carefully recycled, they can leak dangerous and toxic chemicals into the ground. Personally, I will keep driving my old gasoline car for as long as I can. I believe that is better than constantly buying new technology.

問1 Which of the following best expresses Ellen's opinion? 38

- ① Car evolution is slow.
- ② Electric cars dissatisfy drivers.
- ③ More development is necessary.
- ④ Technology is the key.

問2 Both Jonah and Eddie mention that 39.

- ① electric cars are much cleaner than gasoline cars, therefore they are better for the environment
- ② driving older cars for as long as possible is better for the environment than buying new electric cars
- ③ more work and research needs to be done to increase the life of old electric car batteries
- ④ the production and disposal of the battery makes electric cars less environmentally-friendly

► [Step 2] Take a position

問3 Now that you have understood the various opinions, you have taken a position on electric cars and written some notes below. Choose the best options to complete 40 — 42. (You must have all of 40 — 42 correct to get points.)

POSITION: Electric cars are a good idea.

- 40 and 41 opinions support this the most.
- An argument common to these two people is that 42.

Options for 40 and 41 (the order does not matter) :

- ① Caroline's
- ② Eddie's
- ③ Ellen's
- ④ Jonah's
- ⑤ Shinya's

Options for 42 :

- ① buying an electric car is already cheaper than buying an old gasoline car
- ② electric cars use very little energy when their batteries are being charged
- ③ lower emissions from cars will improve the air quality and people's health
- ④ moving away from gasoline cars will reduce the incidence of breathing difficulties

## ► [Step 3] Create an outline of your essay

Essay outline

**Switching to Electric Cars Is Essential****Introduction**

Many governments are promoting a switch away from gasoline cars in favor of electric vehicles. I agree with this for the following three reasons.

**Body**

REASON 1 from Step 2, based on evidence from the opinions in Step 1

REASON 2 (  ), based on evidence from Source A

REASON 3, based on evidence (  ) from Source B

**Conclusion**

After considering all of the facts, a move toward electric cars is something that everyone should support.

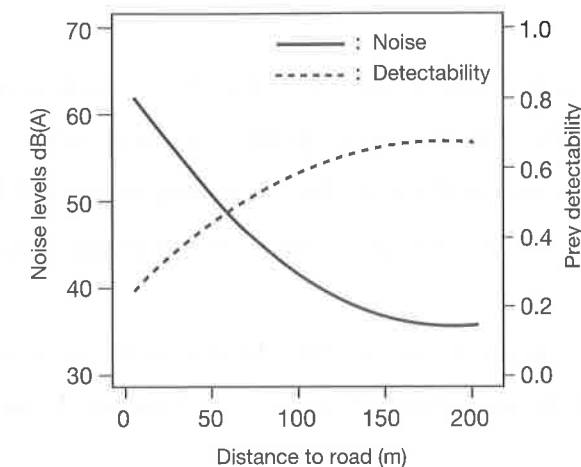
**Source A**

If you drive a traditional gasoline-fueled car, you will notice that the price of gasoline rises regularly. In fact, the price of gasoline in 2024 was almost three times the price of gasoline in 1990. There is no reason why it should not continue to rise from now on. For that reason, gasoline cars are very expensive to run. In contrast, the cost of charging the battery of an electric car is much lower, and as batteries become more efficient, the price is more likely to go down over time than up. A gasoline engine is much less efficient in terms of energy use than a new-style electric vehicle battery. Therefore, despite the initial higher price of an electric car, in the long-term, the reduced fuel costs allow drivers to save money.

In addition, compared to electric cars, gasoline cars require a lot of maintenance. A traditional gasoline engine has around 2,000 moving parts, while an electric car motor has just 20. The more parts there are, the more that can go wrong. Owners of gasoline cars find that they spend more money on repairs and maintenance than an owner of an electric car.

**Source B**

As man-made noise increases all over the world, scientists have predicted that noise from roads disrupts the behavior of various wild animals. A study by Japanese researchers looked at the effect of traffic noise on the hunting behavior of owls. They discovered that noise created by gasoline cars disrupts the owls' ability to detect the presence of the small animals they hunt for food.



問4 Based on Source A, which of the following is the most appropriate for REASON 2?

- ① Electric cars are both cheaper to buy and less expensive to run, despite higher repair fees.
- ② Electric cars are cheaper to run over a long period because of cheaper fuel and maintenance costs.
- ③ Gasoline cars are easier to maintain, but electric cars are cheaper to buy and the fuel is less expensive.
- ④ Gasoline cars are more expensive to buy, power, and maintain than most modern electric cars.

問5 For REASON 3, you have decided to write *An increase in electric cars will cause less disruption to wildlife living near roads because the engines produce less noise.* Based on Source B, which option best supports this statement? 44

- ① An experiment on owls shows that the closer they live to roads, the greater the noise and the less likely they are to be able to detect their prey.
- ② Research has shown that there are fewer animals and birds living near busy roads because they are likely to be involved in accidents.
- ③ Scientists searched for wildlife near busy roads and found that there were more small animals living there because owls avoided busy roads.
- ④ The data shows that owls prefer to live as far away from noisy roads as possible because there are fewer small animals living there.

## 第 2 回

(80分)

## 実 戦 問 題

### ● 標準所要時間 ●

|             |              |
|-------------|--------------|
| 第 1 問 6 分程度 | 第 5 問 12 分程度 |
| 第 2 問 6 分程度 | 第 6 問 13 分程度 |
| 第 3 問 6 分程度 | 第 7 問 13 分程度 |
| 第 4 問 6 分程度 | 第 8 問 18 分程度 |