

2024年度 関西学院高等部 入学試験 英語 問題用紙 その1

*リスニングテストは試験開始20分後に開始します。

リスニングテストの前に、あらかじめ問題用紙その5、大問VIIの質問と選択肢に目を通しておいてください。

I. 次の英文を読み、あとの設問に答えなさい。

It was quite some time ago. I heard a story from a friend of mine. A man picked some beautiful flowers and put them into two vases in his room. He talked to the flowers in one vase every day, and said to them, "How beautiful you are! Please live for a long time." He didn't talk to the flowers in the second vase at all. A few days later, the flowers in the second vase all died, but the flowers he talked to lived much longer. It was difficult to believe the story was true, but I thought it was very interesting so . Some time later, I read a scientific research report and it reminded me of the story of the flowers. The research report is as follows:

Researchers of an *Israeli university did an experiment on a variety of different plants, such as tomato, corn, wheat and grapes. They used special microphones to record the sounds of plants, and found that some plants were very quiet, but others made sounds like *pops and clicks. The sounds were loud, but the *pitch was too high for people to hear. After more research, they discovered that the plants made louder sounds when they felt stressed, and that one stressed plant could make 30 to 50 sounds per hour. "Even in a quiet field, there are actually sounds that we don't hear, and those sounds carry information," said Lilach Hadany, the leader of the researchers.

So, what information do they carry? The researchers found that the plants made more sounds when they were stressed, and the type of sounds that the plants made depended on . For example, they made different sounds when they needed water and when their *stems were cut. Also, the researchers believed that insects, small animals, and other plants can hear the sounds of these stressed plants. From these discoveries, they thought that plants and animals may have between them. Maybe the insects can listen to the sounds of the plants to decide where to *lay eggs, or maybe the animals can use them to decide which leaves they should eat.

One of the future goals for the researchers is to find ways that humans can use this information effectively. 1) For example, we may be able to use the sounds to check that plants are getting enough water in our farms. In this way, we can make a better environment for our *crops to grow.

Now, let me go back to the story of the flowers in the vase. If we use the information from this research, we can guess the reason for the differences between the flowers in each vase lived. Maybe, the flowers were listening to what the man was saying, and 2) his words had a positive impact on their growth. If we take it one more step, we can suggest that even humans and plants can communicate with each other.

Nature is full of the sounds that animals and plants are making, but we can't hear all of them. In forests and fields, plants may be crying out because of their stress from the damage caused by humans. If so, now, I believe we should *listen* to 3) the message which plants are sending to us with the sounds they are making.

*Israeli イスラエルの *pops or clicks はじけるようなクリック音 *pitch 音の高さ *stem 植物の茎
*lay 産む *crops 作物

1. 空所 ~ に入る適切な語句を選び、記号で答えなさい。

- | | | | |
|--------------------------------|------------------------------|------------------------------|----------------------------------|
| <input type="text" value="1"/> | a) I forgot it soon | b) it remained in my mind | c) I have heard the story before |
| <input type="text" value="2"/> | a) the cause of their stress | b) the size of the plants | c) the pitch of their sounds |
| <input type="text" value="3"/> | a) some common stress | b) quite different abilities | c) a communication system |
| <input type="text" value="4"/> | a) how often | b) how long | c) how about |

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2. 次の英語の質問に対する答えを、書き出しの英語に続けて英語で書きなさい。

1) In the research, how did the researchers gather the data of the sound that plants made?

Answer: The researchers _____.

2) People can't hear the sounds that plants make. Why?

Answer: It is because _____.

3) When do plants feel stressed?

Answer: They feel stressed _____.

3. 下線部 1)を日本語に直しなさい。

4. 下線部 2)はどのような出来事を指しているか、日本語で書きなさい。

5. 下線部 3)の the message の内容を日本語で書きなさい。

6. 本文の内容に合わないものを2つ選び、記号で答えなさい。

a) In the story I heard from a friend, the man took care of flowers in two different vases in a different way.

b) In nature, many kinds of plants can make or listen to various sounds that we humans can't hear.

c) In the report, unstressed plants didn't make any sound but stressed plants made a lot of sounds.

d) The researchers think that other animals may get some information from the sounds that plants are making.

e) Now we know that plants can make sounds that we humans can't hear, and that may be useful for human lives.

f) The goal of the researchers is to find a way for humans to speak to plants.

II. 次の英文を読み、あとの設問に答えなさい。

At the top of Mount Fuji, high above the sea of clouds, Riku was impressed by the view surrounding him. The air was cool. When the sunlight broke through the horizon, Riku thought back on the events that brought him to this situation.

* * *

It all began half a year ago. When he was reading the local newspaper, he saw an 1) advertisement looking for healthy, active university students to work part-time in the mountain *huts near the top of Mount Fuji. The job was to care for the visitors who stayed for the night, and it lasted for the summer hiking season. Riku felt interested. Perhaps this was because he was confident in his physical abilities from his high school days as the captain of the track and field team. Or maybe it was because he wanted to find a new purpose in life, as he felt bored of the same university life day after day. Anyway, he decided to *apply for the job.

The interview process went quickly. Because of worries of the coronavirus, only a few university students wanted to stay in a small space with up to 100 other strangers. Mr. Morita, the owner of the hut, thought Riku was the right person for the job, and *hired him right after the interview finished. One week before the start of the hiking season, Riku arrived at the fifth station of Mount Fuji with some other staff members, and together they went up the 500 meters to their hut at the seventh station.

The first few days were tough. There was a lot of work to do to prepare for the visitors who would come soon. Although Riku often exercised at school for long periods of time, the air on the mountain was thin, and he got a headache when he did hard activities. Also, water was limited, so staff members could only shower once a week.

On July 1st, the first group of visitors started to come in. There were a wide variety of people, from young children hiking with their parents for the first time, to elderly experienced hikers who climbed every year.

At night, the smell of curry filled the air in the hut, and a sense of happiness spread among the tired travellers as they ate. When he looked around the people gathered at the tables, Riku thought to himself, "Why are they doing this? Why are they going through such difficulties to climb this mountain?" An old man noticed the confused expression on his face, and asked, 2) _____.

Riku answered, "Uhh.... I was wondering, why do you climb mountains?"

"Ah! A good question. But there is no correct answer." The old man's eyes shone with passion. "Have you heard of a man called George Mallory? He was one of the first hikers to climb *Mount Everest. When a reporter asked why he did it, he replied, 'because it's there.'"

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The old man continued, “The reasons we climb are all different. In the same way, we all live for different reasons. You’ll find your own answers someday.” He touched Riku kindly on the shoulder.

That evening, as Riku rested in his sleeping bag, the old man’s words kept repeating in his head. He decided that at the end of his two-month stay, he would climb to the top of Mount Fuji and find out the reason for himself.

* * *

Now, on the mountain top, Riku sat and watched as the golden light of the sun changed the pink sky to a pale blue. He still didn’t have an answer to his question. But perhaps some answers are not so easily found. When he realized this, Riku looked out at the beautiful world around him, and he finally felt a deep sense of peace in his heart.

*hut 小屋 *apply for ～を申し込む *hire 雇う *Mount Everest エベレスト山 (チョモランマとも呼ばれる)

1. 下線部 1) advertisement の意味を表す最も適切なものを1つ選び、記号で答えなさい。

- a) an exciting activity, such as a trip or experience b) a piece of text that tells people about a job or event
c) a book that contains a set of stories for children d) a set of pages on the Internet about one subject

2. 第2段落を読み、Riku を説明する最も適切な文を1つ選び、記号で答えなさい。

- a) Riku enjoys his university life, and is looking for new challenges.
b) Riku is not confident in his academic scores because he only tries his best on the track and field team.
c) Riku is an active high school student who likes to care for people who need help on the mountain.
d) Riku is not satisfied with his life now, and is looking for something to do.

3. 下の英文は第3段落を書き換えたものです。()に入る適切な英単語を書きなさい。ただし、指示されたアルファベットで書き始めること。

The interview process was (1. q) . (2. S) there were worries of the coronavirus, (3. n) (4. m) university students wanted to stay in a small room with up to 100 other strangers. Mr. Morita, the owner of the hut, thought Riku was the right person for the job and hired him (5. a) (6. s) (7. a) the interview was (8. o) . A week before the start of the hiking season, Riku (9. r) the fifth station of Mount Fuji with some other staff members, and together they (10. c) the 500 meters to their hut at the seventh station.

4. 山小屋での最初の数日間の準備期間の様子を50～60字の日本語で描写しなさい。なお、句読点も1字に含みます。

5. 下線部 2)に入る最も適切な発話を1つ選び、記号で答えなさい。

- a) “Why did you come here? You don’t have any hiking equipment.”
b) “What’s the matter, young man? You look troubled.”
c) “When did you arrive here? You look hungry. I will give you my curry if you want.”
d) “How are you doing, young man? Climbing mountains doesn’t interest me at all.”

6. 次の出来事を時系列に並べなさい。

- a) Riku climbs to the top of Mt. Fuji.
b) Riku meets an old man while he was working in the mountain hut.
c) Riku finds information about a job on Mount Fuji in the local newspaper.
d) Riku walks from the fifth station to the seventh station of Mount Fuji.
e) Riku has an interview with Mr. Morita.

7. 本文の内容に合っているものを2つ選び、記号で答えなさい。

- a) When Riku was at the top of the mountain, the weather was not clear, and there was no sign of sunlight.
b) While Riku was doing his job at the mountain, he met various types of people from young to old.
c) Riku decided to climb up the mountain because he talked with George Mallory in the hut.
d) The old man touched Riku’s shoulder kindly because he wanted to encourage Riku to discover his own purpose in life.
e) Riku climbed to the top of Mt. Fuji many times while he was working because he used to exercise a lot.
f) Thanks to the old man’s advice, Riku was able to find the purpose of his life.

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VI. 次の質問について、35語以上の英語で答えなさい。ただし、記号など(“”, “?”, “!”, “.”)は1語として数えないものとし、また使用した英単語の語数を()内に書きなさい。

あなたが通う中学校のルール(校則や決まり事など)の中で、あなたを変えたほうが良いと思うルールは何ですか? そのルールの中から1つ選び、その内容と変えたほうが良いと思う理由を1つ書きなさい。

VII. リスニングテスト

《リスニングテスト1》放送の指示に従って下さい。

《リスニングテスト2》

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| Day 3 | (1) | | B:○ L:× D:× |

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- Choose the correct schedule for (1).
 - AM: Museum PM: Free time
 - AM: Shopping PM: Zoo
 - AM: Free time PM: Shopping
- Choose the correct meal plan for (2).
 - B:○ L:○ D:×
 - B:○ L:× D:×
 - B:× L:× D:×
- What is the total price of the tour for Keiko and Genki's family?
- Choose the correct date for (3).
 - before June 11th
 - after June 9th
 - until June 7th
- What will Keiko and Genki probably do after the conversation?
 - Talk to their parents → Go to the bookstore → Call the company
 - Call the company → Talk to their parents → Go to the bookstore
 - Go to the bookstore → Talk to their parents → Call the company

