

2023年度 安田女子高等学校 入学試験問題 英語

その1

1 次の文章は、Haru たちのグループが探究活動でおこなった発表であり、次のページの Chart-①と Graph-②は、この発表に用いられたスライドの一部です。 これを読んで後の問いに答えなさい。

Haru: Hello, everyone. The title of our presentation is “How New Technology Helps People”. Some of you may know the popular film, “Avatar”, by James Cameron. In the movie, people controlled their avatar remotely. (X) it was fiction, now you can have your own (1)avatar in real life.

Saki: Look at this picture. This is an avatar robot, “OriHime”. It looks like a human. It has two eyes, two arms, a camera, a speaker, and so on. When we want to talk with people in a different place, we usually need to visit them or call them. However, now we can use OriHime instead.

Junna: We can control OriHime remotely with a smartphone or a computer. We can speak through it, and it moves and makes gestures. As a result, we can express emotions. That is, the robot is like our double.

Aya: In fact, OriHime robots are working in various places. Please look at Chart-①. This chart shows the number of organizations that use OriHime in our city. The number increased the most from 2018 to 2021, especially in (Y). I think one of the reasons is Covid-19. It has changed our way of communication.

Haru: So, why did we decide to learn about OriHime? This summer, we watched an interesting TV program about Mr. Nagaoka, a former high school teacher. He loved teaching but had to stop working because of ALS. He felt weak and very lonely. However, the students wanted to encourage him and got him an OriHime robot. Thanks to their kindness, he was able to join their graduation ceremony.

Junna: In the TV program, Mr. Nagaoka said that it is important to live as we are and enjoy life. We were moved by his words and began to think what makes us happy. Then, we decided to ask our schoolmates, “When do you feel happiest?”

Aya: Graph-② shows the answers to this question. According to it, many of them feel happiest when they are talking with friends. The next most common answer was “Exchanging messages with friends online”. These top two answers show that most students are happiest when they are (Z) with others.

Haru: Covid-19 has changed our lives. Some people say that because of “social distance”, more people feel lonely nowadays. However, we can connect through technology. Especially with OriHime, people who can't move by themselves or go outside can join many activities without going out of their hospital bed or home.

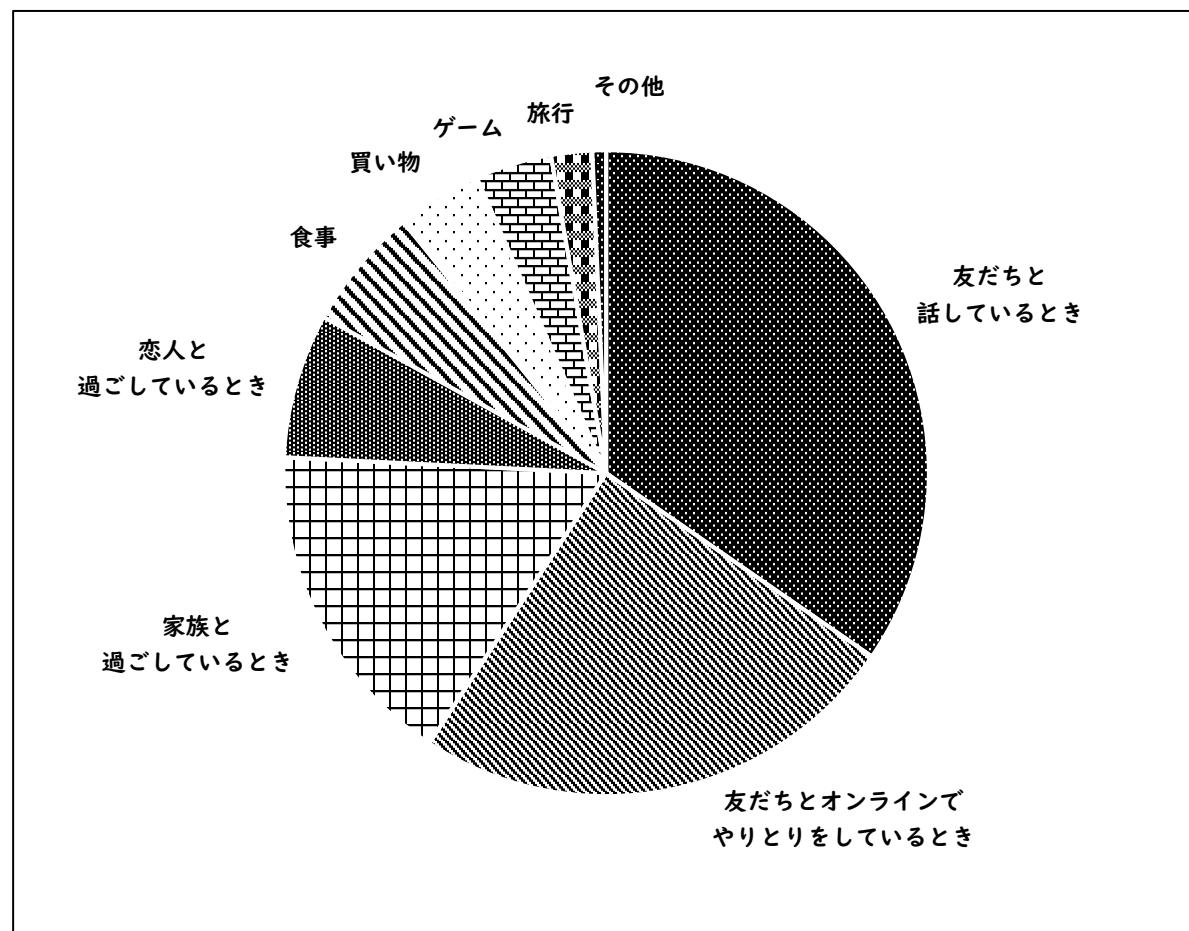
Saki: By the way, today Mr. Nagaoka is enjoying his life because he now works for a café by using this new technology. The café is called “Avatar Café”. A lot of OriHime controlled by various people in various places are working there. If you have time, please visit the café and enjoy talking with many “people”.

注) remotely 遠隔で、遠隔に Covid-19 新型コロナウイルス
ALS 筋萎縮性側索硬化症（手足、のど、舌の筋肉や呼吸に必要な筋肉がだんだんやせて力がなくなっていく病気）

Chart-①

	2015	2018	2021
小売店・受付 (Retailer)	4	10	20
会議・ビジネス (Business)	0	3	25
医療・介護 (Medical Care)	8	12	28
学校・教育 (Education)	2	4	20
その他 (Other)	4	10	18

Graph-②



問1 空所 (X) に入る最も適切なものを、次のア～エの中から1つ選び、記号で答えなさい。
 ア. Though
 イ. Because
 ウ. If
 エ. When

問2 下線部(1)と同じ意味を表す英単語を、Junna の発言の中から1語で抜き出さなさい。

問3 空所 (Y) に入る最も適切なものを、次のア～エの中から1つ選び、記号で答えなさい。
 ア. “Retailer”
 イ. “Business”
 ウ. “Medical Care”
 エ. “Education”

問4 空所 (Z) に入る最も適切なものを、次のア～エの中から1つ選び、記号で答えなさい。
 ア. talking
 イ. shopping
 ウ. going out
 エ. communicating

問5 次の問いに英語で答えなさい。
 Why did Haru and her group members decide to do research on OriHime?

問6 Haru たちの発表の内容に合うものとして、最も適切なものを次のア～エの中から1つ選び、記号で答えなさい。
 ア. Thanks to Covid-19, many people are glad to be alone.
 イ. Mr. Nagaoka is not pleased to work for a café through OriHime.
 ウ. More than half the students feel happy when they communicate with family.
 エ. Technology helps people connect even though they are apart.

2 次の文章は「火星(Mars)」に関して述べたものです。これを読んで後の問いに答えなさい。

When you look up at the sky at night, you can see Mars without a telescope, but this does not mean it is easy to understand the environment of Mars.

Mars is like our planet, Earth. For example, a day on Mars is 24 hours and 37 minutes — a little (X) than a day on our own planet. In addition, Mars has seasons, polar ice caps, volcanoes, and canyons. However, it has less oxygen and no liquid water. So, you may think Mars is hard to live on. 【あ】

On the other hand, some scientists say that Mars had enough air and some oceans long ago. Until recently, scientists believed that there was no liquid water on the surface of Mars. But in 2018, they found signs of a lake under the planet's south polar ice cap. 【い】 There are signs of ancient floods on Mars, but now most of the water is in the ground as ice.

Air and water are necessary for animals and plants on Earth. If Mars also has enough air and liquid water, some creatures on earth can live on Mars. To make air on Mars, scientists have a plan to build a big wall between the sun and Mars because the solar wind from the sun is taking off almost all of the air on Mars. In addition, they are planning to add a lot of CO₂ to Mars. This will help to increase the temperature on Mars quickly. As a result, the ice in the ground of Mars will gradually melt and the liquid water from the ice will give Mars (Y). If the plan comes true, Mars will get the resources that every living thing needs. Perhaps even humans will be able to live on the planet. 【う】

We have not been to Mars yet, but scientists are still looking for signs of life on Mars. 【え】 They also want to know, “Can Mars support life in the future?” Mars is an interesting topic. So, we will continue to do research on it.

注) polar ice cap 極冠 (惑星の氷に覆われた高緯度地域) volcano 火山
oxygen 酸素 liquid 液体の solar wind 太陽風 resource 資源

問1 空所 (X) に入る最も適切なものを、次のア～エの中から1つ選び、記号で答えなさい。
ア. shorter
イ. longer
ウ. faster
エ. quicker

問2 空所 (Y) に入る最も適切なものを、次のア～エの中から1つ選び、記号で答えなさい。
ア. heat and energy
イ. sunlight and clouds
ウ. rocks and sand
エ. rivers and oceans

問3 本文の【あ】～【え】の中に次の英文を入れるとき、最も適切な箇所を1つ選び、記号で答えなさい。
Scientists want to know, “Was there life on Mars in the past?”

問4 本文の内容に合うものとして、最も適切なものを次のア～エの中から1つ選び、記号で答えなさい。
ア. We cannot see Mars with a telescope because it is far from the earth
イ. Scientists have not found ice in the ground of Mars.
ウ. Scientists have a plan to change Mars into a place animals and plants can live on.
エ. Humans have lost all interest in Mars because they have not been there.

問5 あなたは、宇宙旅行に行ってみたいですか。理由も含めて20語程度の英語で答えなさい。以下の語群の語句を使用してもよい。

【語群】 space 「宇宙」 zero gravity 「無重力」 Mercury 「水星」
Venus 「金星」 Jupiter 「木星」 space food 「宇宙食」

- 3 これはある高校において、新入生を対象としてクラブ紹介を行った際に、高校3年生の生徒会長が冒頭で行ったスピーチです。これを読んで、後の問いに答えなさい。

Hello, first-year students. How do you like your school life here? Have you decided which club to join yet? Well, I'd like to talk about my experience in the chorus club.

When I entered this school, I wondered, "Should I join a club?" I like singing songs, but at the same time, I wanted to do well in my studies. I didn't ①[could / time / I / make / know / how / for] the club and my studies. I thought a lot about it, talked with my parents and friends, and went to see a chorus performance. Then I realized again that I like music very much. So, I decided to do my best in the chorus club and my studies. It was not easy for me ア[do] both in the beginning, but I made a rule for myself. It went like this. After club, I get home, have dinner and take a bath. At 8:30 p.m., I start doing my homework. I study for two hours and go to bed. Since then, I イ[follow] this rule.

A year ago, I was very excited that many first-year students joined the chorus club. Then, I thought I needed to become a strong leader, but that was a mistake. I ②[gold / group / win / wanted / the / prize / to / our] in the contest. So, I pointed out as many things as I could to improve our performance. I worked very hard. But I was ウ[shock] to find out that the first-year students were losing confidence in singing. However, they told me that they liked the club. They also said they were happy to have the second-year students who took great care of them. So I changed. I started to point out the good points. I asked the younger members to give their opinions to make our music better. Then, everyone began to smile more and I felt I was doing the right thing.

Last month, we エ[take] part in a contest. On the stage, I didn't feel nervous for the first time. When we started to sing, I heard our voices echoing beautifully in the hall. I enjoyed オ[sing] from my heart. In the end, we knew it was the best performance ever.

The chorus club is ③[exciting / activity / most / I / that / the] have ever done at school. I'm sure you too will have a great time and make great friends. So, why don't you join a club? From now, the leaders of each club will talk about their activities. Thank you.

注) echoing 響き渡っている

- 問1 下線部ア～オの動詞を適切な形に変え、英文を完成させなさい。ただし、2語以上になるものもある。

- 問2 下線部①～③それぞれの[]内の語を並べかえて英文を完成させなさい。

- 4 次の各組の英文がほぼ同じ意味になるように、() 内に適切な語を入れなさい。

問1 This is the first time for Ken to visit Kyoto.

= Ken () never () Kyoto before.

問2 The director chose three actors from the list.

= Three actors () () from the list by the director.

問3 People speak English in Australia.

= The () () in Australia is English.

問4 It is interesting to grow vegetables.

= () vegetables () interesting.

- 5 次の日本語の意味になるように、それぞれ[]内の語を並べかえて英文を完成させなさい。ただし、不要な語が1つずつ入っています。また、文頭に来る語も小文字で示されています。

問1 屋根の上にいる白い猫はタマです。

[cat / Tama / roof / white / the / the / which / on / is].

問2 もし十分なお金があれば、私はスマートフォンを買うのになあ。

[buy / had / if / money, / a / enough / smartphone / I / I / bought / would].

問3 ユイのカバンは、彼のほど重たくない。

[bag / heavier / Yui's / is / as / as / his / not / heavy].

問4 私達のおばあちゃんにクッキーをいくつ作ってあげればいいでしょうか。

[cookies / for / grandmother / how / I / make / many / our / shall / to]?

※の部分には何も記入しないこと

1	問1	(X)			
	問2			※	
	問3	(Y)			
	問4	(Z)			
	問5				※
	問6				

2	問1	(X)			
	問2	(Y)			
	問3				※
	問4				
	問5				※

3	問1	ア		イ		ウ		
		エ		オ				
問2	①							※
	②							
	③							

4	問1		
	問2		
	問3		
	問4		

5	問1		.
	問2		.
	問3		.
	問4		?

合計点
※