

英 語

問題冊子 2

注 意

「問題冊子 2」に印刷されている問題は、**2** から **3** までで、2 ページから 15 ページまであります。

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英

語

2 次の対話の文章を読んで、あとの各問に答えなさい。

(*印の付いている単語・語句には、本文のあとに〔注〕がある。)

Nana is a high school student and is staying at Mr. and Mrs. King's home in the U.S.A. Now she is talking with her friends, David and Emily at school.

Nana: I'm worried about next week's science class. Have you decided the topic of your presentation?

David: Have you, Emily?

Emily: Yes. I am going to talk about *space travel. I'm now gathering information. Do you have any information about this topic?

David: I don't have any information about space travel, but I've just read about Sally Ride. Do you know who Sally Ride is, Nana?

Nana: No, I don't. Who's she?

Emily: She is famous in the U.S. She was the first American woman that went to space.

Nana: Oh, the first American woman astronaut! When did that happen?

David: About 35 years ago.

Nana: Did any women go to space before that?

Emily: In the United States, she was the first, but there were two in Russia before her.

Nana: So, Sally Ride was the woman astronaut in the world.

Emily: Yes.

David: Well, she was good at both science and sports. She was once a tennis player, but she decided to study science more. She studied very hard to become an astrophysicist.

Nana: What's that? Astro...

Emily: Astrophysicist. That's the name for a scientist who studies the *properties of things in space. For example, they study what stars are made of.

Nana:

David: Well, one day Sally opened the school newspaper and read the *job ad. Can you guess what she found?

Nana: Was it a job ad wanting astronauts?

David: For the first time, women astronauts were wanted in the United States. After she saw the job ad, she became interested in becoming an astronaut.

Nana: The test to become an astronaut is really difficult, and after you pass the test, you have to work really hard at training. Some astronauts have to wait years to go to space.

Emily: Oh, you know how to become an astronaut!

Nana: Well, I've been interested in becoming one.

David: Really? You have a great dream! But why do you want to go to space?

Nana: When I saw a picture of Earth in a book, it looked so beautiful. So, I want to see Earth with my own eyes.

David: Sally Ride went to space twice and said that Earth looked really beautiful. She understood that it was very important to protect Earth's environment.

Nana is now at her host family's home with Mr. and Mrs. King, and their son, Sam.

Nana: Today I talked with David and Emily about the first American woman astronaut, Sally Ride. After we talked about her, I wanted to become an astronaut more.

Sam: Wow! Do you want to be an astronaut? It's a difficult job. You have to study very hard for it.

Mrs. King: Where in space do you want to go? The Moon, *Mars, or other places?

Nana: ⁽³⁾I don't know. Maybe the Moon.

Sam: Some people are saying that, ten years from now, humans will send people to Mars.

Mr. King: Really? In such a short time? Is that possible?

Sam: We don't know. I hear that a *private company is planning to take people to Mars in 2027!

Mr. King: But Mars is very far from Earth. How long does the trip to Mars take?

Sam: I've just read about it in a book. The trip to the Moon took three days. But the trip to Mars will take 260 days.

Nana: 260 days! That is a long time!

Sam: And that is possible if we leave Earth on a very *specific day at a very specific time, and that time only comes once *every two years.

Nana: I see. I've heard there is a plan to make Mars *livable. Do you think that will happen, Mom?

Mrs. King: Yes, I believe so. I think not only a few astronauts but also *ordinary people are going to live on Mars, and I imagine that some people of your *generation will live there.

Nana: ⁽⁴⁾ That sounds like *science fiction!

Mrs. King: But many of the things which didn't seem possible years ago have already come true. So, I'm sure that this will also be realized.

In Mr. Brown's science class, Emily has just finished her presentation about space travel.

Mr. Brown: Emily gave us some ideas about space travel in the near future. Do you have any comments or questions about her presentation?

Nana: Yes, I have a question. The other day at home, we talked about the project for moving to Mars. In your presentation, you didn't tell us about the project, but you said that some day we would be able to travel space not only from Earth but also from Mars. So, do you believe that we will live on Mars? I'm a little *doubtful about it.

Emily: Oh, I am not sure, but I would like to say yes. ⁽⁵⁾ I don't think that anyone can stop us. I mean that humans always want to experience new things. Two million years ago people in Africa *evolved and then slowly *spread around Earth. Since then, we have *made great advances. I'm not saying that science has made everything possible, but still humans will go to new places and make advances. Going to new places and making advances are the things humans do.

Mr. Brown: That is an interesting comment, Emily. Well, Nana asked a question about living on Mars, so I'll explain some differences between Mars and our planet, Earth. Mars is much smaller than Earth. But the *surface area of Mars that you can stand on is not so small. It is as large as the surface area of Earth that you can stand on, because about 70% of Earth is covered by water. A year on Mars is 687 days. A day on Mars is about as long as a day on Earth, plus 37 minutes. Mars has almost no *oxygen. Mars has four seasons, but some scientists say that the *average temperature is about -50°C. That means it's really cold.

David: Then, it's not possible to live on Mars! Can we make it livable?

Mr. Brown: Well, it is not easy but some people think it's possible. As I told you, Mars is very cold. It has a lot of dry ice and water ice under the ground. Scientists have already found several ways to melt the dry ice. If we can melt the dry ice, CO₂ will come out into the *atmosphere. Then the water ice will melt because CO₂ makes the atmosphere warm. In this way, we will have water to drink and use.

David: But still, we need oxygen to live there.

Mr. Brown: You are right, David. Well, when we have water, we can grow trees and plants

on Mars, and then there will be enough oxygen. It will take about a thousand years, but until then, we can use a machine.

Nana: A machine?

Mr. Brown: Yes. CO₂ has oxygen in it. So, a scientist has created a machine which can take out oxygen from CO₂.

Nana: Wow, humans really will be able to live on Mars! That is exciting!

〔注〕 space 宇宙	property 特性	job ad 求人広告
Mars 火星	private company 民間企業	specific 特定の
every ~ ~毎に ^{こと}	livable 住むに適する	ordinary 普通の
generation 世代	science fiction 空想科学小説	doubtful 疑っている
evolve 進化する	spread 散らばる	make advances 進歩する
surface 地表の	oxygen 酸素	
average temperature 平均気温		atmosphere 大気

〔問 1〕 ~ の中に、それぞれ次の A ~ D のどれを入れるのがよいか。その組み合わせとして、最も適切なものは下の ア ~ カ の中ではどれか。

- | | |
|----------------|----------------------|
| A Oh, I see. | B Yes. That's right. |
| C No, not yet. | D I'm not sure. |

	<input type="text" value="(1)-a"/>	<input type="text" value="(1)-b"/>	<input type="text" value="(1)-c"/>
ア	A	B	C
イ	B	A	D
ウ	C	A	B
エ	C	D	A
オ	D	B	C
カ	D	C	A

〔問 2〕 本文の流れに合うように、 の中に英語 1 語を入れなさい。

〔問3〕 (3) I don't know. とあるが、次のように語句を補って書き表すとすれば、
 の中にどのような英語を入れるのがよいか。7語で書きなさい。

I don't know .

〔問4〕 (4) That とあるが、その内容を最もよく表しているものは、次の中ではどれか。

- ア Some people of Nana's generation will live on Mars.
- イ Nana will become an astronaut and go to Mars.
- ウ A private company is now sending people to Mars.
- エ Getting to Mars takes a very long time.

〔問5〕 (5) I don't think that anyone can stop us. とあるが、これについての次の問いに対する答えとして最も適切なものは下の中ではどれか。

Why does Emily think that nobody can stop us?

- ア Because she is sure that the project for moving to Mars will go well.
- イ Because she believes that humans have made everything possible by using science.
- ウ Because she knows that two million years ago people evolved in Africa and made great advances there.
- エ Because she thinks that humans always want to experience new things and make advances.

〔問6〕 Wow, humans really will be able to live on Mars! とあるが、この発言の理由として適切でないのは次の中ではどれか。

ア If we can melt the dry ice under the ground to make Mars warm, the water ice will melt, and we will be able to have water to drink on Mars.

イ If we can make Mars warm, Mars will have four seasons, and its environment will be comfortable.

ウ A scientist has already created a machine that can take out oxygen from CO₂, and that machine will be useful to make Mars livable.

エ We will be able to grow plants and trees after the water ice melts under the ground, and then there will be more oxygen on Mars.

〔問7〕 本文の内容と合っているものを、次のア～カの中から二つ選びなさい。

ア Sally Ride saw a photo of the beautiful Earth and wanted to see Earth from space, so she decided to be an astronaut.

イ Nana became interested in becoming an astronaut for the first time when David told her about the first woman astronaut in America.

ウ Sam says that we have to choose the best time for leaving Earth to arrive at Mars about eight to nine months later.

エ At first, Nana didn't think Mars would be livable, but after she talked about it with her host family, she was sure that would happen in the near future.

オ Emily thought that humans would soon enjoy space travel, and in her presentation she explained about the project for moving to Mars.

カ Mr. Brown explained some differences between Mars and Earth and said it was not easy to change the environment of Mars.

〔問8〕 現在不可能であると考えられることの中で、あなたが実現して欲しいと思う科学技術の一つ挙げ、またその理由について、**40語以上50語程度の英語**で書きなさい。ただし、本文で挙げられた事例は除くものとします。「,」「.」「!」「?」などは語数に含めません。これらの符号は、解答用紙の下線部と下線部の間に入れなさい。

このページには問題はありません。

次のページに進みなさい。

3 次の文章を読んで、あとの各問に答えなさい。

(*印の付いている単語・語句には、本文のあとに〔注〕がある。)

To Yuji, it was just like homework. He thought about ⁽¹⁾it for a long time because it was a question his teacher asked him. It was not different from the homework his math teacher gave his class every weekend. He was not good at math but he always did the homework because it was homework.

“What can you do to *contribute to your community?” Ms. Ogawa asked Yuji and the other members of the *student council this question. Yuji was *chairperson of the student council and Ms. Ogawa was *in charge of them. She often asked them to work for their school. Last summer the student council visited the *kindergarten near their high school and worked as volunteers. They played with the children. They sang songs with them and even danced. They also taught them how to write some *hiragana*. It was a fun experience and Yuji enjoyed teaching those five-year-old children.

However, it was not Yuji’s idea to do the volunteer work. He and the other members of the student council did it because Ms. Ogawa asked them to do it. There was a big difference this time. Ms. Ogawa said to them, “Think what you can do for your community. You have to decide what to do by yourself.”

Yuji remembered the volunteer work he did when he was younger. Until three years ago, his town had a summer festival every year. One summer in elementary school, he worked as a staff member for the festival. With some *adults, he sold some food to visitors. After the festival, he also cleaned the park with other volunteers. He felt good about doing something for his town. However, again, it was not his own decision to be a member of the festival staff. Maybe some adults he knew asked him to do the volunteer work. Or did teachers in his school ask him to do it? ⁽²⁾He didn’t remember it well now. Maybe he thought it would be fun to do something for his town. Yuji didn’t *mind helping other people when they asked him. Actually, the volunteer work was easy because there were always some adults who told him what to do. He didn’t have to think about it by himself. ⁽³⁾【① the ② told ③ do ④ just did ⑤ he ⑥ him ⑦ someone ⑧ things ⑨ to】.

“How can you contribute to your community?” Once again, Yuji thought about the question Ms. Ogawa asked them.

Yuji said to himself, “This is really difficult. I can’t think of any good ideas. I don’t know what to do.”

Yuji called ⁽⁴⁾Manami for some advice. They were both 17 years old and in the same class. She was not a member of the student council, but she was one of his best friends.

Manami and Yuji often talked about the activities of the student council. They sometimes had different ideas and opinions but he always welcomed her *criticism. Yuji *trusted her very much because she always told him her true feelings. Her advice always gave him a new way to look at things.

Manami said to Yuji, “I know you are a good student, and your friends and teachers trust you very much. You never say no when other people ask you to do something. But maybe Ms. Ogawa doesn’t think that’s enough. I think you should set a goal for yourself and work hard for it. And if you do that, you will experience many things and become more *independent. ⁽⁵⁾Maybe she wants you to learn that.”

Manami’s family once lived in America. She spent ten years in New York before she came back to Japan two years ago. Manami experienced things most Japanese junior high school students didn’t. She said to Yuji, “I was surprised that many American *teenagers worked for their communities. They know many different ways to *raise money for people in need. For example, *mowing lawns, washing cars and building *lemonade *stands were very popular ways to raise money. One time, my sister and I built a lemonade stand in front of our house. It was a lot of fun to sell lemonade we made ourselves. Many people in my town came to buy our lemonade.”

The story about American teenagers was very interesting to Yuji. After talking with her on the phone, he wanted to read more of the same kind of stories. (6)-a

He looked for them on the Internet and found some of them. For example, in one story, high school students in Sydney used their own cars to bring food to old people who couldn’t cook or go shopping. (6)-b

There was another story about young people in India who did volunteer work to clean temples. From those stories, he found that each country came up with different ways to help their people. (6)-c

However, at the same time, he didn’t feel it would be possible to do these volunteer activities here in Japan.

(6)-d Yuji said to himself, “Doing the same things that Manami did in America won’t go well in my community. So, what can I do for people in my town? And how should I do it?” Yuji thought really hard about how to contribute to his community.

Yuji went outside. “Maybe I can find some good ideas if I go for a walk,” Yuji thought. He walked around his town. He grew up there, and his grandfather did, too. This was the place his family lived in for a very long time. He remembered his grandfather often took him to the park near his house. While Yuji was playing with other children, his grandfather was always *watching out for them. He was always sitting on the bench near the flower garden. Yuji felt safe because his grandfather was there.

After walking several minutes, Yuji arrived at the park. It was not the same place that he

remembered. It changed into something very different. It was not clean any more. He saw cans and bottles *everywhere. No one took care of the flower garden. It was not a place that people would like to visit any more. Actually, he didn't see any children there. When he was a child, he played on the *slides and *swings, but now they looked old and *dirty. "And where is the bench my grandfather always sat on?" he thought. He found it was broken. It looked very dirty, too. (7) Yuji was surprised and sad.

Then, Yuji came up with an idea. "(8) I should do something to bring the park back to life," he thought. This should be a place that people in this town want to visit. "The first thing I should do is to clean it up. But of course, I can't do it alone. I will ask the members of the student council for help. And do I have to raise money for the park like American teenagers? ... I don't think so," he thought. "Raising money is very important for bigger plans. But right now, taking *action is the most important thing to do. And I don't think just cleaning the park is enough. This park needs something to bring people in this town together. It needs a symbol."

Now, Yuji is going to *repair the bench with the members of the student council. They are going to paint it in rainbow colors, too. That is Manami's idea. "Some people say that the rainbow is the symbol of bringing people together." She gave this advice to Yuji. He hopes that many people will use the bench like his grandfather.

Yuji is also asking some adults in the town to hold its summer festival again. He really wants to do something to help them. Now he is so busy, but he is enjoying it all. This is not something his teachers or other adults asked him to do. This is something he decided to do by himself. This is the goal he set, and he is working very hard for it. Yuji is already feeling good about himself. (9) He feels he has grown up and become a little more independent.

〔注〕 contribute 貢献する	student council 生徒会	chairperson 会長
in charge of ～ ～の担当である	kindergarten 幼稚園	adult 大人
mind 嫌がる	criticism 批判	
trust 信頼する	independent 自立している	
teenager 十代の若者	raise money お金を集める	
mow lawns 芝を刈る	lemonade レモネード	
stand 屋台	watch out for ～ ～を見守る	
everywhere いたる所で	slide 滑り台	swing ブランコ
dirty 汚い	action 行動	repair 修理する

〔問1〕 (1) it とあるが、その内容を最もよく表しているものは、次の中ではどれか。

- ア working for Yuji's school
- イ how to solve the math problems
- ウ how to contribute to Yuji's community
- エ becoming a staff member of the summer festival

〔問2〕 (2) He didn't remember it well now. とあるが、この文を次のように書き表すとすれば、(a), (b) の中にそれぞれどのような英語 1 語を入れるのがよいか。

He didn't remember well (a) asked him to (b) the volunteer work.

〔問3〕 (3) 【① the ② told ③ do ④ just did ⑤ he ⑥ him ⑦ someone ⑧ things ⑨ to】. とあるが、本文の流れに合うように、【 】内の単語・語句を正しく並べかえたとき、3 番目と 5 番目と 7 番目にくるものの組み合わせとして最も適切なものは次のア～カの中ではどれか。ただし、文頭の文字も小文字で表されているので注意しなさい。

	3 番目	5 番目	7 番目
ア	②	⑨	⑧
イ	②	⑨	⑥
ウ	①	⑦	③
エ	①	⑦	⑨
オ	①	⑦	⑥
カ	②	⑦	⑨

〔問4〕 ⁽⁴⁾Manami について、本文の内容に合っているのは、次の中ではどれか。

- ア Sometimes Manami didn't have the same opinions that Yuji had about the activities of the school council.
- イ Manami had her own ideas and opinions about the activities of the student council, and her criticism sometimes made Yuji angry.
- ウ Manami was ten years old when her family left New York and went back to Japan to start their new life.
- エ While Manami was living in New York, she sold lemonade to people in her town, but she thought it was boring.

〔問5〕 ⁽⁵⁾Maybe she wants you to learn that. とあるが、その内容を次のように書き表すのであれば、 の中に下のどれを入れるのがよいか。

Maybe Ms. Ogawa wants Yuji to learn that .

- ア it is necessary to say no to people asking him to do something
- イ he can be more independent by deciding what to do by himself
- ウ setting a goal and working hard is not important for him at all
- エ he is a good student and everybody around him trusts him very much

〔問6〕 本文の流れに合うように、次の1文を入れるとき、最も適切な場所は下の中ではどれか。

Many young people around the world contributed to their communities.

- ア (6)-a
- イ (6)-b
- ウ (6)-c
- エ (6)-d

〔問 7〕 (7) Yuji was surprised and sad. とあるが、次のように語句を補って書き表すとすれば、 の中に入れるのに適切でないのは下の中ではどれか。

Yuji was surprised and sad because .

- ア the park was dirty and full of cans and bottles
- イ he felt that everything in the park looked different now
- ウ he thought that no one would like to visit such a dirty place
- エ not only the bench but also the slides and swings were broken

〔問 8〕 (8) I should do something to bring the park back to life, とあるが、その内容を次のように書き表すとすれば、 の中に下のどれを入れるのがよいか。

I should do something to .

- ア make the park a nice place to visit again
- イ build a new park for the people living in this town
- ウ bring people in this town together to clean up the park
- エ raise money for the park to buy new slides and swings

〔問 9〕 (9) He feels he has grown up and become a little more independent. とあるが、この文に關しての問いとそれに対する答えを次のように書き表すとすれば、(a), (b) の中にそれぞれどのような英語 1 語を入れるとよいか。

Question : Why does Yuji feel he has become a little more independent?

Answer : Because before that, Yuji did the things which he was (a) to do,
but now he is doing the things which he has (b) to do by himself.

[問 10] 本文の内容と合っているものを、次のア～カの中から二つ選びなさい。

- ア When Yuji learned from Manami that many American teenagers raised money to help their community, he thought it was a good idea and he would like to do the same thing.
- イ After reading about many kinds of volunteer work young people did around the world, Yuji thought he should find his own way of contributing to his community.
- ウ Yuji thought that he should clean up the park first before raising money to buy new things for it.
- エ Yuji wants more people to come to the park after he and the other members of the student council clean it up and make its new symbol.
- オ Yuji was going to paint the bench in rainbow colors, but Manami didn't think it was a good idea, so she gave him some advice.
- カ Yuji is now trying to work alone to hold the town's summer festival in the park for the first time.

1	[問題A]	<対話文1>	エ	<対話文2>	イ	<対話文3>	ウ	A1	4	A2	4	A3	4
	[問題B]	<Question 1>	ア					B1	4				
	[問題B]	<Question 2>	A beautiful lake view.					B2	4				

2	[問1]	ウ	[問2]	third				1	4	2	4	
	[問3]	where in space I want to go						3	4			
	[問4]	ア	[問5]	エ	[問6]	イ	4	4	5	4	6	4
	[問7]	ウ	カ					7	2	7	2	
	[問8]	解答例) 1) I hope that we will have machines to help sick people. I read that scientists are making very small machines. Those machines can go into your body and make you better. I think we will be able to use those machines in the future, and everybody will have good health. (50) 2) I want to fly in the sky. If I can do that, I will be able to go to school in a short time. So I do not have to get up early. I hope some scientists will make a new flying machine. (43)						8	12			

3	[問1]	ウ	[問2]	(a)	who	(b)	do	1	4	2a	2	2b	2
	[問3]	オ	[問4]	ア		[問5]	イ	3	4	4	4	5	4
	[問6]	ウ	[問7]	エ		[問8]	ア	6	4	7	4	8	4
	[問9]	(a)	asked	(b)	decided				9a	2	9b	2	
	[問10]	イ	エ					10	2	10	2		