

令和6年度

奈良県立大学附属高等学校
入学者一般選抜検査問題

英語

注意事項

- 1 指示があるまで、この冊子を開いてはいけません。
- 2 この時間には、はじめに聞き取り検査があります。聞き取り検査の最初にチャイムが入りますから、注意してください。
- 3 答えは全て解答用紙の解答記入欄にマークしてください。例えば、

10

と表示のある問いに③と解答する場合は、次の(例)のように解答番号10の解答記入欄の③にマークしてください。

(例)

解答番号	解答記入欄
10	① ② ● ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

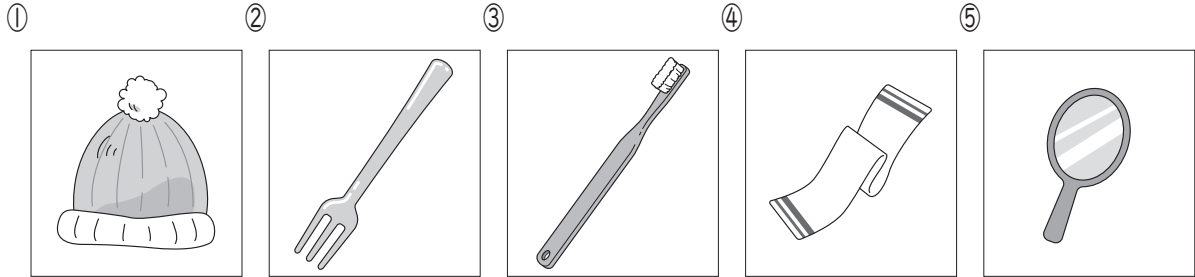
- 4 印刷ミスなどがあれば、静かに手を挙げて監督の先生に知らせてください。問題内容についての質問には答えられません。
- 5 不正行為は絶対にしないようにしてください。

問題は次のページから始まります。

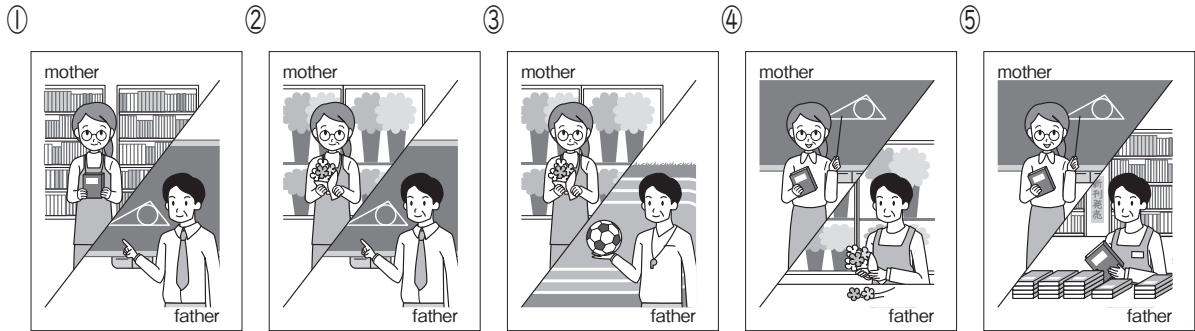
1 放送を聞いて、各問いに答えなさい。

(1) 問1～問3の英語の内容に合うものを、次の①～⑤からそれぞれ一つずつ選び、その数字を解答番号 ～ にマークしなさい。なお、放送はそれぞれ1回ずつ流れる。

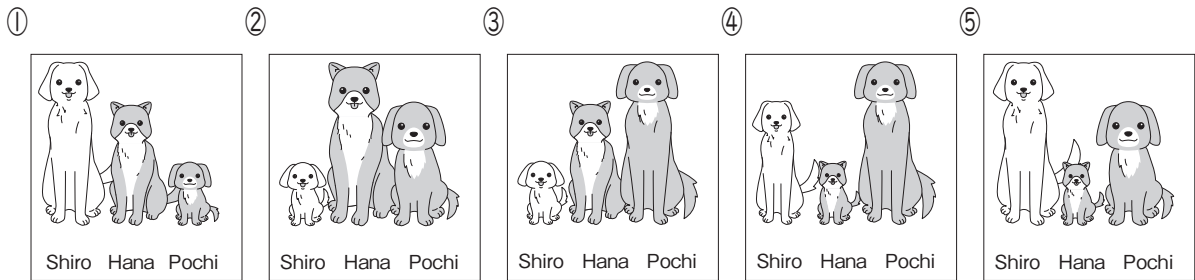
問1



問2



問3



(2) 問4、問5の会話のチャイムの部分に入る英語として最も適切なものを、放送される①～⑤からそれぞれ一つずつ選び、その数字を解答番号 、 にマークしなさい。なお、会話と①～⑤の応答はそれぞれ2回ずつ流れる。

問4

問5

- (3) 放送される、ある湖についての説明を聞いて、次の【メモ】の 、 に入る最も適切なものを、後の①～⑤からそれぞれ一つずつ選び、その数字を解答番号 、 にマークしなさい。なお、英語の説明は2回流れる。

【メモ】

<p><u>Lake Titicaca</u></p> <ul style="list-style-type: none">• a large lake in South America• has a lot of islands• a lot of old things at the bottom <input type="text" value="6"/>
<p><u>The Uros Islands</u></p> <ul style="list-style-type: none">• some of the islands in Lake Titicaca• islands, houses, and boats made from totora
<p><u>Totora</u></p> <ul style="list-style-type: none">• a plant, very strong even in water• <input type="text" value="7"/>• an important plant in the Uros Islands

問6

- ① were collected to build a government office
- ② are the things from an old museum
- ③ have been used by the people from other countries
- ④ are shown at the museum near the lake
- ⑤ will be shown at the museum in the future

問7

- ① eaten with bananas grown there
- ② food for fish in the lake and called “lake banana”
- ③ food for people and called “lake banana”
- ④ grown with bananas in the lake
- ⑤ used to grow bananas by the lake

(4) 放送される問8、問9の英語を聞いて、英語の内容と合っていないものを、次の①～⑤からそれぞれ一つずつ選び、その数字を解答番号 、 にマークしなさい。問8は美術館の館内放送、問9は高校のバスケットボール部員であるマックスに関する話である。なお、英語はそれぞれ2回ずつ流れる。

- 問8
- ① People can see paintings from the 18th century in the east building.
 - ② People can drink coffee in the east building.
 - ③ People can find pictures from all over the world in the west building.
 - ④ The children's room closes at 4 p.m.
 - ⑤ 7-year-old children going to the children's room must be with their parents.

- 問9
- ① Max's basketball team kept losing games.
 - ② Max thought he should play another sport.
 - ③ Max decided to practice basketball alone in the park.
 - ④ Max saw John at the park on his way home.
 - ⑤ Max and John played basketball in the park for about an hour.

2

(1)、(2)の英文を読んで、それぞれのタイトルとして最も適切なものを、後の①～⑤からそれぞれ一つずつ選び、その数字を解答番号 、 にマークしなさい。

(1) In 1969 and 1972, humans went to the moon and brought some soil back to the Earth. After that, three scientists in the U.S. sowed seeds of a plant in 12g of the soil from the moon. The plants from the seeds grew, but their leaves and flowers were small. This was the first experiment to grow plants using the soil from the moon. Though the plants didn't grow very well, the result showed that plants from the Earth may be able to grow on the moon someday.

(注) soil 土 sow まく seed 種 leaves leaf (葉) の複数形
experiment 実験

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- ① Will we be able to live on the moon in the future?
- ② How to grow plants from the moon
- ③ Can plants from the Earth grow on the moon?
- ④ The plants grown on the moon
- ⑤ What does the soil from the moon look like?

(2) The demand for paper in Japan has been decreasing for about 10 years because of the decreasing population, digitization, and some other reasons. In particular, the demand for paper used for newspapers, books, and magazines has been decreasing. However, the demand for cardboard and packaging paper has been growing. The main reason for that is the increasing number of people who use online shopping.

(注) demand 需要 digitization デジタル化 in particular 特に magazine 雑誌
cardboard 段ボール packaging 包装用の online オンラインの

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- ① Why has the demand for paper in Japan been increasing?
- ② How has digitization in Japan been changing?
- ③ Differences in the ways of using paper between Japan and the world
- ④ How much paper is used in Japan?
- ⑤ Changes in the demand for paper in Japan

3 次のMiyuとSteveのスマートフォンでのメッセージのやり取りを読んで、各問いに答えなさい。

Miyu Hi, Steve. You remember we have the class presidents' meeting after school next Thursday, right?

Hi, Miyu. I totally forgot about it. All the class presidents and vice presidents must join it, right?

Steve

Miyu Yes. We have to join the meeting. At the meeting, we have to talk about the program for the school festival. 12
How about lunch time tomorrow?

Let me check. What do you want to talk about?

Steve

Miyu We need to think about the things we will say at the meeting.

Sorry. I have an English club meeting at lunch time tomorrow. Can we talk on the phone tonight? 13

Steve

Miyu No problem. Then, I'll call you at about 8:30.

All right. Thanks. Should we talk about something else for the school festival?

Steve

Miyu Yes. At the class presidents' meeting, we also have to discuss how much money we need for other school events. So, 14

OK. Bye, then.

Steve

Miyu Bye.

(注) class president 学級委員長 totally 完全に vice 副～ discuss 議論する

(1) に入る最も適切なものを、次の①～⑤から一つ選び、その数字を解答番号にマークしなさい。

- ① Will you be able to attend the meeting with me?
- ② Can we talk before the meeting?
- ③ What kind of program should we do at the school festival?
- ④ Have you talked about the program with our teacher yet?
- ⑤ What are you going to have for lunch?

(2) に入る最も適切なものを、次の①～⑤から一つ選び、その数字を解答番号にマークしなさい。

- ① Will you have time to talk after nine o'clock?
- ② I'll tell you why I don't want to join the meeting then.
- ③ Please tell me what you talked about at the meeting.
- ④ I had a good time in my classroom with my classmates.
- ⑤ I think I will be free after eight o'clock.

(3) に入る最も適切なものを、次の①～⑤から一つ選び、その数字を解答番号にマークしなさい。

- ① shall we do a program with our classmates at the school festival?
- ② let me know about that during lunch time tomorrow.
- ③ how about going to another room with our classmates?
- ④ let's check our school events we had last year.
- ⑤ I don't know what we will talk about during the meeting.

4 次の英文と図 (Figure) は、ある日本人高校生が自転車の利用 (use of bicycles) に関する発表のために作っている原稿と資料である。これらを読んで、各問いに答えなさい。

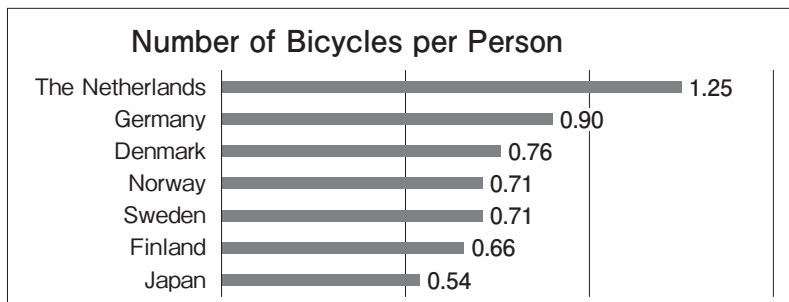
I ride my bicycle to school every day, and I think it's good for my health. In 2018, the UN decided June 3 is World Bicycle Day. According to the UN, a bicycle is a simple, not so expensive, and environmentally friendly kind of transportation. I agree with that. Today, I'll talk about the use of bicycles.

According to the research, Japanese people own about 68.7 million bicycles. Many people in Japan have bicycles. Look at Figure 1. It shows the top seven countries with the highest number of bicycles per person. We can see that 15. In some foreign countries, many people use bicycles to go to school or work. They can bring their bicycles in buses or trains. Bicycles are popular in those countries for reasons such as reducing car traffic and being good for the environment.

What are other good things about riding bicycles? Figure 2 shows why Japanese people use bicycles. According to the figure, we can see that bicycles are good for saving time and are also useful as transportation.

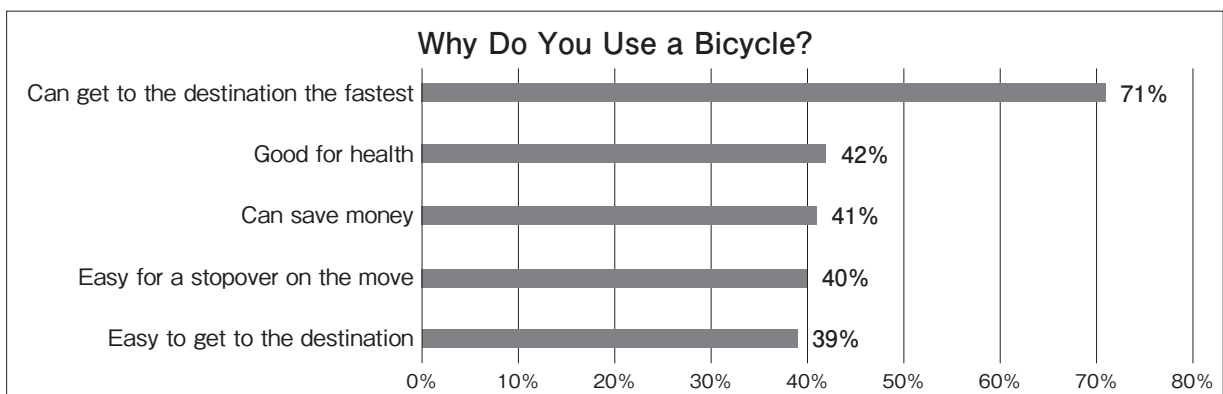
There are many good things about bicycles. However, 16. Though the number of bicycle accidents has been reducing every year, in Japan there were still 69,985 bicycle accidents in 2022.

Figure 1



* 「人口当たり自転車保有台数 (国際比較) (国土交通省)」を基に作成。

Figure 2



* 「自転車を日常的に利用する理由 (国土交通省)」を基に作成。

(注) the UN 国際連合 according to ~ ~によると

environmentally friendly 環境に優しい transportation 交通手段 own 所有する

per ~ ~につき traffic 交通 (量) the Netherlands オランダ

Denmark デンマーク Norway ノルウェー Sweden スウェーデン

Finland フィンランド destination 目的地 a stopover on the move 移動中の立ち寄り

(1) にあてはまる英語として最も適切なものを、次の①～⑤から一つ選び、その数字を解答番号 にマークしなさい。

- ① Japanese people have more than one bicycle per person
- ② Japan is not among the top seven countries
- ③ people in Europe have more than two bicycles per person
- ④ Finland's number isn't as large as Japan's
- ⑤ the Netherlands' number is larger than any other country's

(2) にあてはまる英語として最も適切なものを、次の①～⑤から一つ選び、その数字を解答番号 にマークしなさい。

- ① I think there's only one good thing about riding bicycles
- ② walking for a long time is better than riding bicycles for health
- ③ I think all the people around the world know about them
- ④ we must be careful when we ride bicycles
- ⑤ more people should use bicycles in Japan

(3) 本文や図の内容として最も適切なものを、次の①～⑤から一つ選び、その数字を解答番号 にマークしなさい。

- ① The UN doesn't think that people need much money to get bicycles.
- ② About 68.7 million bicycles are sold every year in Japan.
- ③ People in the countries with a larger number of bicycles per person don't ride buses.
- ④ The number of people who ride bicycles for their health is the largest in Japan.
- ⑤ The number of bicycle accidents was more than seventy thousand in 2022 in Japan.

(4) この高校生は、発表のまとめとなる文章が欠けていることに気づき、発表の最後に入れることにした。本文や図の内容から考えて、この高校生が追加しようと思っている英文と一致するものを、次の①～⑤から一つ選び、その数字を解答番号 にマークしなさい。

- ① World Bicycle Day is the greatest idea in the world. However, it has many problems that we should solve for the future.
- ② Many Japanese people think that they can get to their destination the fastest by bicycle. I hope that they use bicycles in safe ways.
- ③ Riding bicycles is good for the environment, but that is very dangerous. We must not ride bicycles.
- ④ We have many kinds of transportation. I am sure that riding buses or trains is more interesting than riding bicycles.
- ⑤ I think that high school students should ride bicycles as much as I do. Riding bicycles will be useful in the future.

5 次の英文を読んで、各問いに答えなさい。ただし、【1】～【6】は段落番号を示している。

【1】 There are two main kinds of algae; seaweed and freshwater algae. They are two of the oldest living things on the Earth, and they produce air on the Earth. We can find them in the water or around seas, rivers, and lakes. A lot of research on algae these days has been done because they may solve some of the world's problems. There are many ways to use algae.

【2】 Today, there is a problem of food shortages in the world because of population growth. To solve the problem, soybeans and insects have been attracting attention as food sources because they have a lot of protein. Also, scientists and food companies say that seaweed has a lot of protein and other important nutrients. We can produce a lot of food with great nutrients by growing seaweed.

【3】 Seaweed can be food for animals, too. It has been used as food for livestock around the world for a long time. In some countries, it is even grown to produce food for livestock. If we use more seaweed for food, we can get many kinds of food at lower prices. Also, in Australia, scientists found that by making about 0.2% of cows' food from seaweed, 98% of the methane gas that is produced by cows can be reduced. Methane gas is one of the factors for global warming, so reducing the amount of methane gas from cows is one way to solve that problem.

【4】 Some scientists study algae to use them as energy. Algae have oil in their bodies, and this oil can be used as fuel. Corn is also used as energy, but algae have much more oil than corn. It is still very expensive to use algae as energy. Doing so is not easy, either. However, if we can do that more easily and in cheaper ways, we won't need to use a lot of corn and other things grown on the land for energy.

【5】 Products such as medicines, bottles, and clothes can also be made from algae. For example, students in London made bottles from algae. The waste from plastic bottles can be reduced by using these bottles. Those algae bottles can be eaten. The products from algae can return to the ground as soil without any problems even if they are thrown away on the ground.

【6】 Algae can help us and the Earth in many ways. They may become one of the necessary things for us in the future.

(注) algae 藻類 (alga 「藻」の複数形) seaweed 海藻類
freshwater algae (アオミドロなどの) 淡水藻類 living thing 生物 shortage 不足
growth 増加 soybean 大豆 insect 昆虫 food sources 食料源
protein タンパク質 nutrient 栄養 livestock 家畜
methane gas メタンガス (温室効果ガスの一つ) factor 要因 amount 量
fuel 燃料 corn トウモロコシ not ~, either ~ (で) もない soil 土

(1) 【1】段落で述べられている内容として最も適切なものを、次の①～⑤から一つ選び、その数字を解答番号 にマークしなさい。

- ① There is a lot of research about algae because they are the oldest on the Earth.
- ② Many people eat seaweed because they believe seaweed is good for their health.
- ③ A lot of research has been done on seaweed, but not on freshwater algae.
- ④ If we use algae, the world's problems may be solved.
- ⑤ Seaweeds are older living things than freshwater algae.

(2) 【2】段落で述べられている内容として最も適切なものを、次の①～⑤から一つ選び、その数字を解答番号 にマークしなさい。

- ① Seaweed has a lot of protein, but it doesn't have other nutrients in it.
- ② One of the reasons for food shortages is seaweed.
- ③ Insects have been attracting the most attention as food in Japan these days.
- ④ People can get a lot of protein from food made with seaweed.
- ⑤ Some people try to grow seaweed on land, but that's very difficult.

(3) 【3】段落で述べられている内容として最も適切なものを、次の①～⑤から一つ選び、その数字を解答番号 にマークしなさい。

- ① Some cows eat seaweed because they like it.
- ② Some farmers grow seaweed because it is sold better than corn.
- ③ If we give cows food with some seaweed in it, we may help the Earth.
- ④ Ninety-eight percent of cows on the Earth produce methane gas from their mouths.
- ⑤ Giving seaweed to cows as food is a new and popular idea now.

(4) 【4】段落で述べられている内容として最も適切なものを、次の①～⑤から一つ選び、その数字を解答番号 にマークしなさい。

- ① Seaweeds have more oil than freshwater algae do.
- ② Corn has as much oil in it as algae do.
- ③ We can make cheap energy by using algae.
- ④ It is still difficult for us to produce fuel from corn and other foods in Japan.
- ⑤ There is oil in algae's bodies, and we can use it as a kind of energy.

(5) 【5】段落で述べられている内容として最も適切なものを、次の①～⑤から一つ選び、その数字を解答番号 にマークしなさい。

- ① Medicines that are made from algae can solve our body's problems well.
- ② Students from London worked with scientists to reduce waste in the sea.
- ③ Products made from algae will become soil someday.
- ④ Students in London tried to eat bottles made from algae.
- ⑤ Algae bottles can reduce the waste in the sea and make the sea cleaner.

- (6) 次の段落が挿入される位置として最も適切なものを、後の①～⑤から一つ選び、その数字を解答番号 にマークしなさい。

Seaweed helps to solve the problem of another kind of gas, CO₂. It uses a lot more CO₂ than trees when it grows. Research shows the amount of CO₂ absorbed by seaweed and other living things in the sea is 31% of CO₂ produced by human activities. However, the amount of CO₂ absorbed by plants and forests on land is only 12%. Now, all over the world, a lot of research is done to increase the amount of CO₂ absorbed in the sea.

(注) absorbed absorb (吸収する) の過去分詞

- ① 【1】段落と【2】段落の間
- ② 【2】段落と【3】段落の間
- ③ 【3】段落と【4】段落の間
- ④ 【4】段落と【5】段落の間
- ⑤ 【5】段落と【6】段落の間

- (7) 本文で述べられている内容として最も適切なものを、次の①～⑤から一つ選び、その数字を解答番号 にマークしなさい。

- ① Algae are useful and we can make things such as food, energy, and bottles from them.
- ② Getting too much algae from seas, lakes or rivers is bad for the environment.
- ③ Algae as food have been receiving more attention than soybeans and insects.
- ④ There aren't many people who eat seaweed in the world.
- ⑤ The best way to use algae is to use them as energy.

