

# 令和5年度 入試試行問題

## バタビアコース

# 英語

(50分/100点満点)

### 《受験上の注意点》

1. 監督の先生の指示があるまで、試験問題に手を触れないでください。
2. 問題冊子は13ページ、解答用紙は1枚あります。
3. 解答はすべて解答用紙に記入してください。
4. 問題冊子・解答用紙に受験番号と氏名を記入してください。
5. 問題用紙・解答用紙の回収については監督の先生の指示に従ってください。

受験番号	
氏名	

**Kyoei**

京都共栄学園高等学校

1 次の各問いに答えなさい。

(30点)

[A] 空欄に最も適当な単語を入れなさい。

- (1) If I ( ) fly in the sky like a bird, I would travel all over the world.
- (2) The sports festival will be called ( ) because it will rain heavily tomorrow.
- (3) I know the girl ( ) Taro is talking with now.
- (4) Welcome to our house! Please come in and ( ) yourself at home.
- (5) My mother is out now. She has ( ) to the station to pick my brother up.

[B] 次の各組の英文がほぼ同じ意味になるように ( ) に適当な語を入れなさい。

- (1) 

{	We can see the tower from here.
	The tower can ( ) ( ) from here.
- (2) 

{	Aluminum is not so expensive as gold.
	Aluminum is ( ) ( ) gold.

[C] 次の日本語を英語に、英語を日本語に訳しなさい。

- (1) 私たちのクラスの半分は、飛行機に乗ったことがないらしい。
- (2) 警察は昨日、盗難車を所有者に返却した。
- (3) As soon as she arrived at the bakery, she noticed she had so little money that she could buy only a few pieces of bread.
- (4) Kathy tried eating *natto* during her trip in Japan, and she decided never to eat it again.

2 次の会話文は、グレートバリアリーフ (the Great Barrier Reef) の環境問題を考える授業の一部です。これを読み、以下の問いに答えなさい。 (30点)

Teacher: Is everybody here today?

Students: Yes.

Teacher: All right. Let's start the class. Now, I'll give you one question. Which country of these three is to the south of Japan: China, Russia or Australia?

Masaya: Russia is.

Teacher: That's not true. It's to the north of Japan.

Shohei: I guess Australia is.

Teacher: Yes, that's right. In this class, we will learn about environmental problems in Australia. There is a serious problem with the Great Barrier Reef in Australia. It is \*coral bleaching. This is an important environmental issue Athat we should think about.

Shohei: I know. I saw a TV program about this problem. BThe \*phenomenon is the coral reef ( ) white.

Teacher: Thank you, Shohei. In this class, we will learn about what coral bleaching is. You can use your tablets. Now, please get into groups of four or five and put your desks together. Masaya, please join Group C. And... Oh, Shohei, don't go to Group C, because there will be six. Can you join Group A instead? Thank you. Now, we have four groups here. Then I'll give you fifteen minutes to do research. Let's begin.

*fifteen minutes later*

Teacher: OK, let's check. First of all, Masaya, please tell us about your research.

- Masaya: All right. Coral lives in symbiosis with \*algae called \*zooxanthellae. Symbiosis means that different species live together and depend on each other. In this relationship, coral and algae get \*benefits from each other. Coral gets an important food source produced by zooxanthellae. So we have found that zooxanthellae are very important for coral.
- Teacher: Thank you, Masaya. Masaya's group finds out ( C ).  
Who will be next? Why don't you try, Shohei?
- Shohei: Yes. We researched why the bleaching happens. It occurs when the zooxanthellae leave the \*tissue of coral. One \*factor which ( D ) this phenomenon is the rise in sea temperature. Environmental changes make coral feel stressed. The algae go out of the coral, and as a result, the coral loses its bright color. So, the white \*skeleton of coral is appearing. This is the bleaching phenomenon. Also, coral that has been without zooxanthellae for a long time will die because it cannot get energy.
- Teacher: Thank you, Shohei. In addition, some researchers say that coral lives in the environment of about 22°C to 28°C. If the sea temperature is higher than 30°C, the zooxanthellae will die or leave the coral.
- Masaya: ■ How can we stop the temperature from rising.
- Shohei: We should think about the way to stop global warming.
- Teacher: I think so, too. Each of us should think about this problem. The heat stress will cause various problems all over the world. Thus, we have to find how to stop global warming. Let's take this opportunity to think about it. So in the next class, we will see ( F ).

[注]

coral bleaching サンゴの白化現象

phenomenon 現象

algae 藻類

zooxanthellae 褐虫藻(光合成をおこなう藻類)

benefit 恩恵

tissue (体内)組織

factor 要因

skeleton 骨格

(1) 下線部Aの that と同じ用法のものを(ア)～(エ)から 1 つ選び記号で答えなさい。

(ア) I hear that he passed the entrance examination.

(イ) Look! The man and the cat that are running over there are my family.

(ウ) There are various animals in this pet shop. That cat is my favorite one.

(エ) My wife is so busy today that she cannot eat dinner.

(2) 下線部Bが「その現象とは、サンゴが白くなっていくことである。」という意味になるように、( )に当てはまるものとして最も適当なもの(ア)～(エ)から 1 つ選び記号で答えなさい。

(ア) is turning (イ) to turning (ウ) have turned (エ) been turned

(3) 本文中 ( C ) に当てはまるものとして最も適当なものを(ア)～(エ)から 1 つ選び記号で答えなさい。

(ア) the form of coral body

(イ) how coral eats zooxanthellae

(ウ) the meaning of the word “symbiosis”

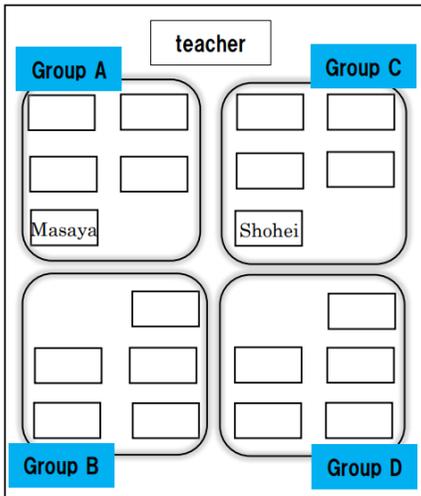
(エ) the relationship between zooxanthellae and coral

(4) 本文中 ( D ) に当てはまるものとして最も適当なものを(ア)~(エ)から 1 つ選  
び記号で答えなさい。

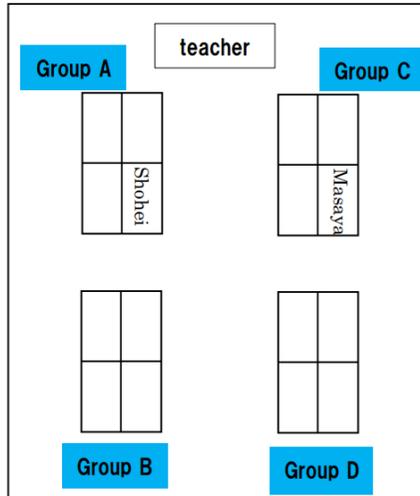
(ア) results from (イ) leads to (ウ) understands (エ) works out

(5) 以下の(ア)~(エ)は、この授業におけるグループ活動の生徒の机の配置図をスク  
リーンに映したものである。スクリーンに映されたイラストとして最も適当だと考え  
られるものを一つ選び記号で答えなさい。

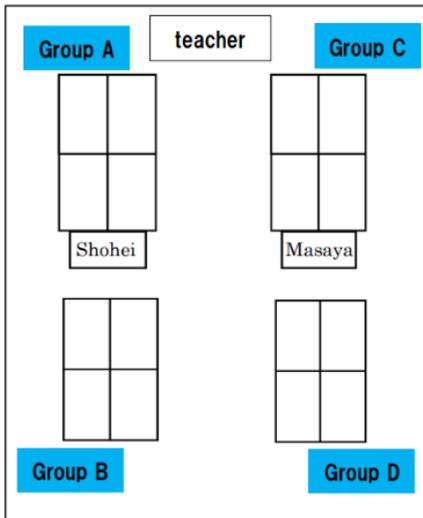
(ア)



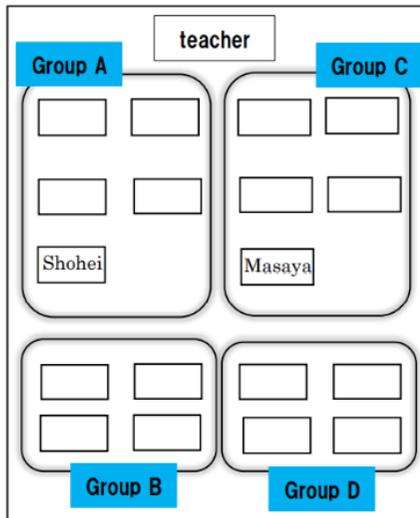
(イ)



(ウ)



(エ)



(6) 下線部Eを the temperature の内容を明らかにして、日本語に直しなさい。

(7) 本文中( F )に当てはまるものとして最も適当なものと考えられるものを、(ア)～(エ)から1つ選び記号で答えなさい。

(ア) how we can increase the amount of coral

(イ) what types of coral there are in the world

(ウ) what the world can do to stop global warming

(エ) that we have found other environmental problems in Japan

3

次のウェブサイトを読み、以下の問いに答えなさい。

(15点)

- □ ✕

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- \*Color: Black, White, Red
- \*Good for users who write reports
- \*Repair for free: 3 years

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7

[A] このウェブサイトは何の業種のものか、最も適当なものを(ア)～(エ)から1つ選び記号で答えなさい。

(ア) a bookstore

(イ) a convenience store

(ウ) a clothing store

(エ) an electrical equipment store

[B] 次の発言をしている人が選ぶものとして最も適当なものを、(ア)～(カ)からそれぞれ1つ選び、記号で答えなさい。

(1) I'm a high school student. I am a member of the track and field team. I have to check how long my running time is every time I run, but sometimes it rains during my practice or races. I want something good for me.

(ア) Watch model A

(イ) Watch model B

(ウ) Desktop PC

(エ) Laptop PC

(オ) Tablet with touch pen

(カ) Tablet with Key board

(2) I am a university student. I want a computer or a tablet. I take notes of classes on notebooks now, but honestly, I want to take notes on any device if it is possible. I'm not good at typing, so it would be great to use a pen to write with.

(ア) Watch model A

(イ) Watch model B

(ウ) Desktop PC

(エ) Laptop PC

(オ) Tablet with touch pen

(カ) Tablet with Key board

[C] 次の発言をしている人が支払うのはいくらか、数字で答えなさい。

- (1) I work at a junior high school as a teacher. I want a computer to make handouts to use in my class. Because I will use it for a long time, I want its computer maker to repair the computer for free as long as possible. In addition, I want a tablet to use at classrooms. I'm glad if it doesn't cost me so much.
- (2) I have just entered a college. I'm looking for a computer or tablet to use in the classes. My favorite color is red and green, so I want one with those colors. I will always carry the device because I can do the homework or report anywhere, for example, at home, a library, or a cafe. It may be hard for me if the device is too heavy. I hope it'll be possible for the device to be repaired for free for more than 2 years.

4 次の英文を読み、以下の問いに答えなさい。

(25点)

\*The placebo effect may cure diseases which no cures have been developed for. When I got hurt as a child, my grandfather said to me, "Pain, pain, go away." Amazingly, I felt that the pain was disappearing. At that time, I really thought the magic words worked. If you expect and believe that words or medicine will affect your body, you may feel better even though they don't actually \*heal the \*wound. It is called the placebo effect.

There have been many different placebo experiments, especially since the mid-20th century. In one experiment done in Germany, \*decaffeinated coffee was used. Forty-five adults were its \*subjects, and there were three groups in the experiment. Fifteen people in Group A were given the coffee after they were told that it was decaffeinated. Another fifteen people in Group B were given the coffee without being told that it was so. The other fifteen people in Group C were given nothing. As the results after fifteen minutes, Group B recorded higher \*values than Group C in the \*degree of arousal. It showed that we can increase our degree of arousal after drinking decaffeinated coffee if we know the effect of \*caffeine.

A placebo effect can also be seen in sports performance. Some researchers at a university in Japan used \*titanium seals in a placebo experiment. Eighteen students took part in the experiment as the subjects. They all knew that titanium seals were effective in relaxing their bodies. In the experiment, after the subjects were given \*dummy titanium seals instead of real ones, their sports performances were checked. As a result, in \*long-sitting forward bending, the average record of the subjects changed from 37.6 cm when they were with nothing to 41.6 cm when they were with dummy titanium seals. From the result of this experiment, it can be said that the placebo effect also affects sports performance.

The placebo effect is also used in medical care. The word “placebo” originally means dummy medicine. It is effective for patients who forget taking their medicine or who take too much medicine. The people taking dummy medicine feel good because they believe it is effective, but it doesn’t affect the body. Even if they take it too many times, it won’t be so bad for their bodies.

We experience the placebo effect in our daily lives. Our \*belief increases the effect of medicine. Some people say that disease starts in mind, so belief has a great influence on the body. Negative ideas or feelings can have negative effects on your body. Be positive and use the placebo effect to make your performance better.

[注]

the placebo effect	プラシーボ効果	heal	～を治す
wound	けが	decaffeinated	カフェインなしの
subject	被験者	value(s)	値
degree of arousal	覚醒度	caffeine	カフェイン
titanium seal	チタン・シール	dummy	ダミー、替え玉
long-sitting forward bending	長座体前屈	belief	信じること

[A] 本文の内容と合うように、次の英文に続く表現として最も適当なものを次の(ア)～(エ)の中から1つ選び、記号で答えなさい。

(1) Magic words

- (ア) can really heal the wound.
- (イ) are bad for our health.
- (ウ) can make the feelings better.
- (エ) are used only in Japan.

- (2) According to the experiment with decaffeinated coffee,
- (ア) Group A recorded higher values than Group B in degree of arousal.
  - (イ) taking decaffeinated coffee didn't affect the subjects.
  - (ウ) although Group C was given nothing, they recorded the highest degree of arousal.
  - (エ) decaffeinated coffee can increase our degree of arousal if we don't know it is decaffeinated.
- (3) From the result of the experiment with titanium seals, it can be said that
- (ア) titanium seals are effective in your sports performance only when you believe in the effect.
  - (イ) the dummy titanium seals had a good effect on the subjects' sports performance because they believed in it.
  - (ウ) the dummy titanium seals affected the subjects who didn't believe in the effect of titanium.
  - (エ) the average record of the subjects with the dummy titanium seals was higher than that of those with real ones.
- (4) Dummy medicine is good for some people because
- (ア) it affects the body.
  - (イ) they get worse if they take it too often.
  - (ウ) there are many kinds of dummy medicine.
  - (エ) there is no difference in their body even when they take it too many times.
- (5) The placebo effects
- (ア) are used only in hospitals.
  - (イ) have a great power under our belief.
  - (ウ) can change your negative ideas or feelings to positive ones.
  - (エ) have a great influence when we don't know the effect of medicine.

[B] 本文のタイトルとして最も適当なものを次の(ア)～(エ)の中から1つ選び、記号で答えなさい。

- (ア) プラシーボ効果の影響力
- (イ) プラシーボ効果と覚醒度
- (ウ) プラシーボ効果の危険性
- (エ) プラシーボ効果とおまじない