

# 2023年度 茨城キリスト教大学一般選抜入学試験 2 期

## 英 語 ( 2 期 )

(解答は解答用紙に記入すること)

I 次の英文を読んで、(問1) ~ (問4) に答えなさい。

<sup>1</sup> All through history, nature has inspired humans to create. Did you know that Leonardo da Vinci's idea for a machine that flies came from seeing the wings of bats? You can see human inspiration that came from nature in building designs, clothing and other things we use every day. The (i) field of biomimetics tries to solve human problems by copying designs found in nature.

<sup>2</sup> One example comes from a plant called burdock that has seeds with sharp points. George de Mestral, a Swiss engineer, came home from a walk in the countryside and found that some seeds had attached to the hair on his dog and to his pants. He studied the seeds closely because he wanted to know the reason they stayed on so well. That's when he found extremely small hooks on them that easily attach to hair or clothing. This is how he (ii) developed the product known in Japan as "magic tape."

<sup>3</sup> Biomimetics can also solve transportation problems. The (iii) original bullet trains in Japan had round front ends, but the shape produced a loud noise when entering tunnels. After many people complained, designers worked hard to reduce that loud noise.

<sup>4</sup> Later, while watching birds called kingfishers dive into the water for fish, a designer wondered what would happen if the nose of the bullet train was very long, like a beak of a bird. Because of their long beaks, kingfishers can (iv) penetrate the water surface easily. In the same way, the new long-nose design of the bullet train went through the air more easily and made less noise.

<sup>5</sup> It may seem like humans are becoming less (v) connected to nature as we develop technology. However, these designs show us how nature actually helps human technology get better.

\*burdock (ごぼう)

\*\* beak (くちばし)

(問1) 本文の各パラグラフに書かれている中心的な内容について、正しいものをそれぞれ下の a～d より1つ選びなさい。

- (1) Paragraph 1 is mainly about \_\_\_\_.
- a. the story of Leonardo da Vinci designing a flying machine
  - b. the idea that people get inspiration from nature to solve problems
  - c. the daily use of buildings, clothing and other things
  - d. the topic of problems caused by nature and how people solve them
- (2) Paragraph 2 is mainly about \_\_\_\_.
- a. how magic tape is produced
  - b. how burdock seeds inspired a designer
  - c. how dogs help humans solve problems
  - d. how studying problems closely is useful
- (3) The main point of paragraph 3 is \_\_\_\_.
- a. to explain one difficulty with the first bullet train design
  - b. to explain the failure of the first bullet trains
  - c. to explain how the first bullet trains were made
  - d. to explain the shape of the front of the first bullet trains
- (4) The main point of paragraph 4 is \_\_\_\_.
- a. to describe how kingfishers get fish
  - b. to describe how the bullet trains go through tunnels easily
  - c. to describe how birdwatching solved a problem
  - d. to describe how birds designed the front of bullet trains

(問2) 本文のタイトルとして最も適切なものを a～d より1つ選びなさい。

- a. Nature Inspires Human Design
- b. Human Nature is to Design
- c. Magic Tape and Bullet Trains
- d. Plants that Grow Inspiration

(問3) 本文中の下線部 (i) ~ (v) の単語の意味に最も近いものを、それぞれ下のA~Dから選びなさい。

(i)	A. area	B. ground	C. arena	D. pitch
(ii)	A. grew	B. settled	C. made	D. urbanized
(iii)	A. unusual	B. novel	C. first	D. untouched
(iv)	A. drink	B. cut	C. access	D. enter
(v)	A. committed	B. joined	C. glued	D. related

(問4) 以下の空欄部に入る語として適切なものを、本文中から抜き出して書きなさい。

- (a) Leonardo da Vinci got his idea for a flying \_\_\_\_\_ from the wings of bats.
- (b) Biomimetics focuses on using \_\_\_\_\_ to improve designs.
- (c) George de Mestral looked carefully at the \_\_\_\_\_ of burdock.
- (d) A \_\_\_\_\_ of the new bullet train changed the shape to look like the beak of a bird.
- (e) The first bullet train made a loud noise when going into \_\_\_\_\_.

II 以下に示すのは、あるホテルの案内文である。それぞれの利用客からの要望を読んで、(問1)～(問5)に答えなさい。

HOTEL HAPPINESS Stay with us and be happy
--

Elevator	Bar and Disco			Stairs
	501	502	503	
	401	402	403	
	301	302	303	
	201	202	203	
	Lobby		Restaurant	

Welcome to Hotel Happiness!

Before you check in, we have some information for you.

1. Breakfast and dinner are served in the restaurant on the first floor. However, if you prefer, you can have your meals in your room. Please note: an additional \$20 fee will be added to your bill every time you use room service.
2. The bar and disco are open from 9:00 pm to 2:00 am. You will have a great time dancing and drinking there, but remember that the people in the rooms on the fifth floor might be able to hear you, so please be quiet.
3. Room numbers with a 1 on the end are for one guest, room numbers with a 2 at the end are for two guests, and rooms with a 3 on the end are suites for three or more guests. You cannot stay in a room with fewer beds than the number of guests, but you can stay in a bigger room if you pay an extra \$50 per night. Children who are three or younger can stay, eat for free, and don't require a bed.
4. The elevator is broken so unfortunately, it only goes to the third floor.
5. Each room costs \$100 per person per night including meals. If you stay for three nights, you can stay the next night for free. Pets can stay for \$10 per night in the rooms on the second floor.

Situation 1

John and his wife want to stay in the hotel. John wants a room with a good view over the city, but he is in a wheelchair. They need a room just big enough for them.

(問 1) Which room would you recommend that they stay in?

- a . Room 502
- b . Room 503
- c . Room 302
- d . Room 201

Situation 2

Min-ju is working on a very important paper. She has a lot of stress and can't sleep very well. It is important that she has a quiet, small room so she can finish her work.

(問 2) Which room should she stay in?

- a . Room 302
- b . Room 201
- c . Room 501
- d . Room 402

Situation 3

Jane and Bob have three kids, Billy, who is four, Julie, who is two and Brian, who is six months old. They want to stay at the hotel for three nights, but they don't have a lot of money. They are going to eat all the meals in the restaurant. They have a lot of luggage and don't like loud noises. Billy is allergic to dogs and cats.

(問 3) What room would be the most convenient and inexpensive for them to stay in?

- a . Room 303
- b . Room 202
- c . Room 203
- d . Room 403

Situation 4

Koichi and his new wife have decided to stay at this hotel for their honeymoon. They are going to stay for four nights in Room 402. They will have dinner in the restaurant three times, but they decided to have breakfast in their room three times and dinner in their room on the first night.

(問 4) How much will their bill be when they check out?

- a . \$760
- b . \$880
- c . \$780
- d . \$680

Situation 5

Dave and his three-year-old son are traveling and want to stay for one night. Dave is worried about taking his son to the restaurant because he might cry, so he wants to eat dinner and breakfast in the hotel room.

(問 5) How much will Dave have to pay if he stays in Room 301?

- a . \$240
- b . \$140
- c . \$180
- d . \$190

Ⅲ 以下の“get out”の定義に合う例文を、それぞれ下の(A)～(E)の中から選びなさい。

Definitions:

- (1) Leave or escape
- (2) Become known
- (3) Say something with difficulty
- (4) Clean something
- (5) Spend free time away from home

Sentences:

- (A) Don't let the secret about the company get out to the media.
- (B) He should get out more. I always ask him to go with me, but he says he is busy.
- (C) He was so touched by her kindness that it was hard to get the words out.
- (D) The dog might get out of the cage if he jumps.
- (E) Bleach will get most stains out, but it can also damage clothing.

Ⅳ 以下の日本語文にあう英訳の下線部分を補いなさい。なお1つの下線部に入る語の数は1語とする。また数字を書く場合は英単語を書くこと(例: 2 → two)。

- (1) すみません。今何時ですか？

Excuse me. Do you have \_\_\_\_\_ ?

- (2) 乗り過ぎしちゃったみたいだ。今、私たちはどこにいるのかな？

I think we missed our stop. \_\_\_\_\_ now?

- (3) A: 私、生卵が苦手なんだよね。B: 僕もです。

A: I don't like raw eggs. B: Me \_\_\_\_\_.

- (4) 妹は3週間後に帰国します。

My little sister is coming back to Japan \_\_\_\_\_.

- (5) 環境問題についてどう思いますか？

How \_\_\_\_\_ about environmental issues?

V 日本語文の表す意味になるように与えられた語を並べ替え、指定された番号にあたる語を書きなさい。なお、文頭の単語で大文字となる場合でも小文字で表記している。

(1) お子様の世話は看護師がいたします。(4番目 / 7番目)

( a / baby / be / by / care / nurse / of / taken / will / your ).

(2) 彼女の話しぶりを聞くと、彼女の母親を思い出します。(4番目 / 6番目)

( her / me / mother / of / reminds / she / talks / the / way ).

(3) 電車は思いの外混んでいなかった。(5番目 / 9番目)

( as / crowded / expected / had / I / not / so / the / train / was ).

(4) ちょっと、お話ししたいことがあります。(4番目 / 7番目)

( have / I / I / something / tell / to / want / you ).

(5) 私はあぶなく車にひかれるところだった。(3番目 / 6番目)

( a / being / by / car / escaped / I / narrowly / over / run ).

VI 以下の選択肢の文では、それぞれの問題文の下線部と同じ語が用いられている。下線部の語と同じ品詞の同一語が使用されている選択肢を、下のa～dより1つ選びなさい。

(1) We can only hope they will succeed.

( a ) We ask for your understanding and hope you will agree with my suggestion.

( b ) We have high hopes for the new technology.

( c ) The project has only modest hope of success.

( d ) He never gave up hope that he would be a famous actor.

(2) My wife is in urgent need of surgery.

( a ) I think they need to see a specialist to make a success of their business.

( b ) We need hardly remind them.

( c ) There's no need for you to worry about this matter.

( d ) What do you need our help for?



- (3) Let us go on to the next section.
- (a) I'll go on the next train.
  - (b) She knocked on the door, but nobody answered.
  - (c) I read on to find out who was the murderer.
  - (d) You looked for a book to read on the plane.
- (4) As my brother grew older, he became more serious.
- (a) Next year she will have been serving as president of the university for four years.
  - (b) I won't be at the meeting as I have a prior engagement.
  - (c) I have the same kind of bag as yours.
  - (d) As a child, he was always getting scolded by his mother.
- (5) I've been working hard on this project.
- (a) I listened hard but heard nothing.
  - (b) The argument is based on hard evidence.
  - (c) My dream came true through hard work and effort.
  - (d) It's hard to believe you solved such a difficult problem by yourself.

VII 以下の選択肢のうち、下線部の語の意味が他の選択肢のものと最も異なる選択肢を、下の a ~ d より 1 つ選びなさい。

- (1)
- (a) He called me a couple more times after I hung up the phone.
  - (b) A couple of years have passed since they got married.
  - (c) We celebrated the two couples on the day.
  - (d) The earthquake moved the house a couple inches to the east.
- (2)
- (a) The coach had the athlete run around the track twenty times.
  - (b) My friend and I jointly run a gym in Osaka.
  - (c) The witness testified she saw him run out of the house.
  - (d) My son is able to run faster than I am.

(3)

- (a) My son found a strange box in the barn.
- (b) Do you know who found my missing key?
- (c) The suspect's fingerprints were found on the knife.
- (d) If my children found an orphanage, I will support them.

(4)

- (a) I need to know the professor's e-mail address to make an appointment.
- (b) I have watched the Prime Minister's famous address on YouTube.
- (c) The chairperson gave an opening address for fifteen minutes.
- (d) Most people watched the television address delivered by the President.

(5)

- (a) My daughter is allergic to several varieties of plants.
- (b) The student forgot to water the plants in the classroom and let them droop.
- (c) I finally found the best ornamental plant for my office.
- (d) The plant is accused of emitting too much carbon dioxide.

## 英語解答用紙

### I

(問1)

(1)	b	(2)	b	(3)	a	(4)	c
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(問2)

a
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(問3)

(i)	A	(ii)	C	(iii)	C	(iv)	D	(v)	D
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(問4)

(a)	machine	(b)	nature	(c)	seeds
(d)	designer	(e)	tunnels		

### II

(問1)	c	(問2)	b	(問3)	a
(問4)	d	(問5)	b		

### III

(1)	D	(2)	A	(3)	C	(4)	E	(5)	B
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### IV

(1)	the time	(2)	Where are we
(3)	neither / either	(4)	in three weeks
(5)	do you feel		

### V

(1)	4番目	be	7番目	of
(2)	4番目	talks	6番目	me
(3)	5番目	so	9番目	had
(4)	4番目	I	7番目	tell
(5)	3番目	escaped	6番目	over

### VI

(1)	a	(2)	c	(3)	c	(4)	b	(5)	a
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### VII

(1)	c	(2)	b	(3)	d	(4)	a	(5)	d
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受験番号

総計