



英 語

(90分)

環 境 科 学 部

(環境政策・計画学科)

(環境建築デザイン学科)

工 学 部

(電子システム工学科)

人 間 文 化 学 部

人 間 看 護 学 部

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2. 問題は4題で、11ページありますが、志望する学科によって解答する問題が異なるので注意下さい。指定されていない問題を解答しても採点しません。
3. 国際コミュニケーション学科を受験する者は、IVにおいて(A)を、それ以外の学科を受験する者は(B)を解答下さい。
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I

Read the text and answer the questions below. Write your answers on the answer sheet.

Adapted from Meg Mathias, "How Did Helen Keller Fly a Plane?", *Encyclopedia Britannica*.

Notes: **all the rage*: popular and fashionable

- Q1. Choose the best word to fill blank (1).
- ① by ② except ③ through ④ with
- Q2. Choose the closest meaning for underlined word (2).
- ① firm conviction ② lack of belief
③ prospect of success ④ tolerance of diversity
- Q3. Write the words in the correct order for blank (3).
- [flying / Keller / should / show / they]
- Q4. According to the second paragraph, which statement is true? Choose the best answer.
- ① Keller did not believe that a blind and deaf person could complete a university degree.
② Keller directed a film about her life called *Deliverance*.
③ Keller refused to use state-of-the-art technologies such as airplanes.
④ Keller was famous around the world by the time she reached her mid-twenties.
- Q5. According to the sixth and seventh paragraphs, which statement is true? Choose the best answer.
- ① A Scottish journalist communicated with the cabin crew using hand gestures.
② Keller remains the only deaf-blind person to have flown a plane.
③ One of the serious problems with Keller's skills was the lack of shaking.
④ The pilot and other crew members were impressed by Keller's control of the plane.

- Q6. According to the last paragraph, which statement is true? Choose the best answer.
- ① Blindness is no longer a taboo topic for women's magazines.
 - ② Keller's good reputation did not contribute to the removal of the social stigma.
 - ③ Keller wrote an article about a woman's magazine named *Ladies' Home Journal*.
 - ④ Publication of Keller's writing on blindness and disability was stopped.
- Q7. Which of the following is NOT mentioned about Keller in the text? Choose the best answer.
- ① She felt physical freedom in flight.
 - ② She traveled by airplane at least three times.
 - ③ She wanted to be a pilot when she was a child.
 - ④ She was famous in the United States.
- Q8. Arrange the following events in the order in which they happened. Write the numbers (①~⑤) in the correct order on the answer sheet.
- ① Keller graduated from college.
 - ② Keller learned how to dive into the ocean.
 - ③ Keller met the president of the United States.
 - ④ Keller piloted a plane herself.
 - ⑤ Keller took a plane for the first time.

II

Read the following conversation. Choose the best expression to fill each blank ([A]~[F]) and write the number (①~④) on the answer sheet.

Alex: Hi, Kaoru! What are you reading there?

Kaoru: Oh, hi! It's a mystery novel called "The Strangest Days in Shiga." It takes place around Lake Biwa, and it's about a bizarre incident where all the fish in the lake suddenly go missing.

Alex: Oh, I've never heard of that. It sounds interesting!

Kaoru: Yes, it's quite good so far. [A]

Alex: Maybe I can get a copy of it somewhere?

Kaoru: Actually, I can lend you this when I'm done.

Alex: [B]

Kaoru: No problem. It's actually hard to buy this book these days. I was really lucky to find it in a used bookstore nearby.

Alex: Well, I'm glad you get to read it now, but why is it so hard to get a copy?

Kaoru: [C] But people quickly lost interest in it soon after.

Alex: I guess that's what you call "out of print" then. [D]

Kaoru: Yes, I agree. It's a shame when that happens.

Alex: Right, I know how much you love reading. But if the novel was so popular once, I wonder if it was ever adapted into a movie.

Kaoru: [E] I suppose it might have been.

Alex: Let me look it up on my phone. I'll just type in "The Strangest Days in Shiga movie" and see what comes up.

Kaoru: Oh, thanks. I wonder how it could be turned into a film, though. I mean, some scenes take place completely underwater. You know, at the bottom of the lake.

Alex: Yeah, that sounds like it would be very difficult... Wait, I think I found some information. So, it turns out that the Lake Biwa mystery novel was indeed made into a Hollywood movie!

Kaoru: Really? I'm surprised to hear they were actually able to make a film out of it.

Alex: [F] And get this, the setting of the movie was changed to Lake Michigan, in the United States, not Lake Biwa!

Kaoru: Oh, wow! Now I kind of want to watch that movie!

- [A] ① I can't stand reading this, you know.
 ② I can't wait to find out how it ends.
 ③ Perhaps this is better than the manga version.
 ④ This is my second time reading this.
- [B] ① But aren't you done reading it?
 ② Oh, that's too bad. Maybe next time.
 ③ Sure, please let me lend it to you.
 ④ That's very kind of you, thanks!
- [C] ① It was a bestseller during the 1980s.
 ② People could no longer find it.
 ③ The book was too hard for some people.
 ④ The novel didn't sell so well.
- [D] ① I can go print it out if you want.
 ② I'm so ashamed.
 ③ It's such a pity.
 ④ That doesn't matter so much.
- [E] ① Hmm, I've never thought about that.
 ② I'm sure that didn't happen.
 ③ I've always known about the movie.
 ④ That never occurred to you.
- [F] ① No, but it'll be surprising.
 ② The expert says that it's okay.
 ③ Yeah, I didn't expect it either.
 ④ You didn't have to accept it.

III

Read the text and answer the questions below. Write your answers on the answer sheet.

A

In the Sichuan region of southwest China, farm workers can be seen climbing apple trees and using brushes made from chicken feathers to collect pollen from the flowers of one tree and then shake it onto the flowers of another. Why do the local farmers spend so much valuable time performing a task – pollination – that insects have done for countless generations? The simple answer is that there are no longer enough insects living in the area to support the orchards. As in many places across the world, insect numbers (1) steadily decreasing for years. While there are several possible explanations for these worrying declines, they share one common feature – all are related to human activities.

B

In recent years, it has become clear that, in general, insect populations are falling. However, it is extremely difficult to know exactly the extent to which this is happening. Unlike rhinos, tigers, or elephants, insects are small and not easily counted. In addition, they tend not to be as widely researched as such large, charismatic mammals. But scientists – both professional and amateur – around the world have reported huge drops in the numbers of insects such as butterflies, beetles, and most famously bees. Entomologists have found that, in recent decades, wild bee numbers have crashed worldwide. Similar shocking figures have been reported for several other species of insects.

C

Unfortunately, the disturbing drop in insect numbers is overwhelmingly the result of human activities. The overuse of chemicals on farms and in our gardens is often cited as the main cause of the problem. It is the use of these chemicals in Sichuan that has led to the loss of the insects that used to pollinate the apple trees. Around Lake Shinji in Shimane Prefecture, Japan, the spraying of pesticides on neighboring rice fields has been blamed for significant drops in insects and similar tiny animals that live in the lake water. The loss of wild (2) also an important factor. Every year, forests and grasslands are cleared for agriculture or housing; insects are simply losing their homes. In addition, climate change is having a catastrophic impact on many insect species, which cannot cope with global heating.

Studies by entomologists in the rainforests of Costa Rica have shown that higher temperatures have led to the near disappearance of many insect species.

D (3) there is now little doubt that insect populations are declining, we do not yet know what a world without insects would look like. Perhaps there are even some people who would prefer to live without such “creepy crawlies”. However, if insects were to disappear completely, it would have almost unimaginable consequences for life on our planet. It would not only be insects that would vanish; many birds, small mammals and reptiles, as well as fish, which all rely on insects as their main food source, would also be wiped out. The loss of insects would have terrible (4) repercussions for us humans, too. Without insects to pollinate our crops, it would be impossible to grow enough fruit and vegetables to feed human populations. We could still eat wheat, rice, or corn – grains which do not require pollination – but we might have to do without tomatoes, oranges, cucumbers, and many other foods that make our meals more interesting, delicious, and nutritious. If we end up having to hand-pollinate all our crops, in the way that is already being done with apples in southwest China, food prices will soar and, as always, the poorest around the world will suffer most.

E The current decline in insect populations has brought about many serious concerns. However, there might still be time to prevent the most severe impacts. Entomologists have pointed out that the actions that ordinary citizens take can really make a difference. We should avoid using insecticides and other chemicals in our homes and gardens, and grow flowers and other plants that support insects. In addition, we should purchase organic produce where possible. If we take these measures, we can help our small, struggling, six-legged friends, and the whole natural world can begin to recover.

Q1. Choose the best word to fill blank (1).

- ① are ② are not ③ have been ④ have not been

Q2. Write the words in the correct order for blank (2).

[areas / insects / is / live / where]

- Q3. Choose the best word to fill blank (3).
- ① Although ② Because ③ Since ④ Unless
- Q4. Choose the closest meaning to underlined word (4).
- ① effects ② opportunities ③ possibilities ④ rhythms
- Q5. The reading passage has five paragraphs (A ~ E). Which paragraph contains the following information? Choose the best answer for each paragraph.
- ① Makes clear that various insect species are decreasing.
- ② Offers some hope for the future.
- ③ Outlines some of the main reasons for insect declines.
- ④ Points out a problem that some farmers are having with growing their crops.
- ⑤ Predicts what will happen if insects continue to die off.
- Q6. Choose **one** word from the passage to match the meaning of (a) and (b).
Write each word on the answer sheet.
- (a) a fine powder, often yellow, which is released from flowers
- (b) scientists who study insects
- Q7. Choose the **two incorrect** statements, based on the reading.
- ① Insects have mostly adapted well to the warming planet.
- ② Large mammals are more frequently studied than insects.
- ③ Our food might become less tasty and healthy in the future.
- ④ The number of insects on Sichuan farms is insufficient for growing apples.
- ⑤ There is very little that normal people can do to help insects.
- ⑥ Without insects, many animals higher in the food chain would starve.

Q8. What is the main idea of the reading? Choose the best answer.

- ① Excessive pesticide use has caused a severe decline in bee numbers.
- ② Humanity needs to learn how to live without insects.
- ③ Insect life across the globe is under threat due to human actions.
- ④ We really should not worry too much about the current state of insects.

IV

国際コミュニケーション学科の受験者は(A)に、それ以外の受験者は(B)に答えよ。答えは解答用紙に記入せよ。

(A) [Writing]

(1) It is said that more and more people around the world are eating insects. The graph below shows the expected growth of the edible* insect market. Summarize the information in the graph in about 50 words.

(2) Answer the following questions in about 70 words: Do you think people in Japan will eat more insects in the future? Why or why not? Explain your answers.

(B) [Writing]

(1) It is said that more and more people around the world are eating insects. The graph below shows the expected growth of the edible* insect market. Summarize the information in the graph in about 30 words.

(2) Answer the following questions in about 50 words: Do you think people in Japan will eat more insects in the future? Why or why not? Explain your answers.

Notes: *edible: can be eaten, suitable for eating