

## ◇ 英 語

英 7－1～英 7－10 まで 10 ページあります。

1 次の英文を読んで以下の問いに答えなさい。解答はすべて①～④の選択肢の中から最も適切なものを一つ選び、所定の解答欄にマークしなさい。

Something unusual is happening in the eastern United States: insects that have been underground for 17 years are coming out in great numbers, mating, and making lots of noise. In a few weeks, they'll disappear for another 17 years.

The insects are known as cicadas. Adult cicadas are an inch or two (2-5 centimeters) long. They have large red eyes and lacy orange wings.

Most insects have fairly short life spans. That's also true for some kinds of cicadas, which only live for a year.

But the cicadas coming out now aren't just any cicadas, they're periodical cicadas, and they're only found in North America. The "periodical" part of the name comes from their unusual life cycles. They spend a period of 13 to 17 years underground. Then they come out for just a few weeks before dying.

This year's cicadas are known as Brood X, and they're on a 17-year cycle. That's a longer life span than any other kind of insect. These cicadas have been living in the ground as young cicadas called "nymphs" since 2004. The nymphs survive by drinking liquid from the small roots of trees.

Scientists still don't know how the nymphs keep track of time. But somehow, after 17 years, the nymphs all come out of the ground at about the same time.

The cicada nymphs begin climbing up nearby trees or bushes. That's where they'll make their final body change: they "molt," coming out of their old skin and leaving a dried shell behind. After a few days, the cicada's outer body hardens and it is fully adult.

Then the cicadas begin mating. This is what they've been waiting 17 years for. And because they've all come out at the same time, there are lots of other cicadas around to mate with.

Male cicadas make loud calls to attract the females. Often, lots of males—sometimes tens of thousands of them—sing at the same time. When this happens, it can be incredibly loud—even louder than standing close to a powered \*lawnmower.

After mating, the female climbs a living tree or bush and digs nests for her eggs in a small branch. Females can lay up to 600 eggs.

In just a few weeks, the adults will have reached the end of their long lives. But six to ten weeks after the eggs were laid, young cicada nymphs begin to come out, and the cycle begins again. They fall to the ground and begin digging down underground, where they'll spend the next 17 years.

(注) \*lawnmower 芝刈り機

1. How long do cicadas live?

1

- ① All cicadas live for 17 years.
- ② All cicadas live for one year.
- ③ All cicadas only live for a few weeks.
- ④ Different types of cicadas have different life spans.

2. Where do periodical cicadas live?

2

- ① Canada, the United States, Mexico
- ② Asia
- ③ most northern countries
- ④ all over the world

3. Where do periodical cicadas spend their lives?

3

- ① They live the same amount of time underground and above ground.
- ② They live longer underground than above ground.
- ③ They live longer above ground than underground.
- ④ They live a few weeks underground and then return above ground.

4. What do the cicadas eat when they are underground?

4

- ① dirt from the earth
- ② insects that are smaller than them
- ③ liquid from tree roots
- ④ nothing

5. What information do scientists NOT know about periodical cicadas?

5

- ① how cicadas know when 17 years has passed
- ② how cicadas eat when they are young
- ③ how cicadas make nests for their eggs
- ④ how cicadas find other cicadas above ground

6. Where do the nymph cicadas change to their fully adult form?

6

- ① on a bush or tree
- ② underground
- ③ in the air
- ④ in water

7. What is true about the sound cicadas make?

7

- ① Male cicadas sing to scare other male cicadas.
- ② Male cicadas make sounds to get attention from female cicadas.
- ③ Female cicadas often sing at the same time.
- ④ Female cicadas make sounds to find a mate.

8. How long does it take for cicada eggs to hatch?

8

- ① a couple of weeks
- ② 6-10 weeks
- ③ one year
- ④ seventeen years

II 次の英文を読んで以下の問いに答えなさい。解答はすべて①～④の選択肢の中から最も適切なものを一つ選び、所定の解答欄にマークしなさい。

Dear Elena,

Thank you for the letter you sent me last week. I'm very happy to hear that you and Francesco are well and that your exam results were so good. Well done! I know you studied hard and you deserve your success.

Mine are next week, so at the moment I'm studying a lot. I'm really nervous about them because, if you remember, I was ill for a couple of months at the end of the year and so I missed a lot of lessons. When they finish, I would like to come and visit you for a few days, if that's OK with your mom and dad.

Do you remember I told you about my friend Amanda from Scotland? She's going to come here next month and is going to stay for two weeks. I'd like you to come too so you can meet her and we can all go out together. What do you think? We can practice our English!

I remember last year we had such a good time. The beaches near your house are wonderful and I really enjoyed meeting your friends (especially Roberto! Is he still single?) I can't remember the name of the club next to the train station, but I'd like to go there again—it was fun.

Oh, guess what! Jason broke his arm last weekend! He went to the skateboard park with his friends from school and fell down some steps (he doesn't know how to skateboard!) He's got a plaster cast and he's going to have it for at least six weeks. He's such an idiot!

My mom's calling me for lunch so I'll finish this letter now. Say hello to your family and don't forget to congratulate Francesco for me.

Lots of love,

Milena

P.S. Say hi to Roberto too!

1. What is true about this letter?

9

- ① It is from Milena to Roberto.
- ② It is from Milena to Elena.
- ③ It is from Elena to Milena.
- ④ It is from Elena to Roberto.

2. Why is Milena worried about her exams?

10

- ① She hasn't studied for the exams.
- ② She doesn't know when the exams will happen.
- ③ She did not attend classes for a couple of months.
- ④ She is not good at remembering a lot of information.

3. Who has taken the exams?

11

- ① Milena has taken them, but Elena has not.
- ② Elena has taken them, but Milena has not.
- ③ Both Elena and Milena have taken them.
- ④ Neither Elena nor Milena has taken them.

4. What is true about Amanda?

12

- ① Amanda is traveling to Scotland soon.
- ② Amanda has met Elena.
- ③ Amanda will visit Milena.
- ④ Amanda can't speak any English.

5. What did Milena NOT write about doing last year with Elena?

13

- ① talking to Elena's friends
- ② visiting the ocean
- ③ going to a club
- ④ taking the train

6. What is true about Milena and Roberto's relationship?

14

- ① Milena was sad that Roberto had a girlfriend last year.
- ② Milena wants to write a letter to Roberto.
- ③ Milena did not get along well with Roberto.
- ④ Milena is most likely interested in talking to Roberto more.

7. What does Milena probably think about Jason's accident?

15

- ① It was Jason's fault.
- ② It was an accident that could have happened to anyone.
- ③ Jason's friends accidentally hurt Jason.
- ④ Jason's friends were responsible for the injury.



Ⅲ 次の会話の( )に入れるのに最も適切なものを、①～⑨の選択肢からそれぞれ一つずつ選び、所定の解答欄にマークしなさい（選択肢は一度しか使えない）。

**Situation:** A customer calls a travel agency.

Travel Agent: Good morning. This is Best Travel Company. How can I help you?

Customer: Hi. My name is Hiroko Yamada. (  )  
However, I'm thinking about changing my plans.

Travel Agent: Yes, Ms. Yamada. I see your reservation here. What changes do you wish to make?

Customer: I planned on leaving for Hawaii on November 13<sup>th</sup>, but my boss wants to have a meeting with me on that day. (  )

Travel Agent: We can do that, but flights on the 14<sup>th</sup> are 30,000 yen more expensive.  
Is that alright with you?

Customer: (  ) Is there any way I can get a cheaper flight?

Travel Agent: (  ) All the other flights on the 14<sup>th</sup> are fully booked. Would you like to look at prices for another day?

Customer: Not right now. I will need to think about my trip some more.  
For now, please keep my original reservation.

Travel Agent: I understand. (  ) Please call us back if you decide to change your plans.

Customer: Thank you for your help.

■ 選択肢

- ① Can I find a flight that leaves in the early morning?
- ② Hmm. That's a lot of money.
- ③ I booked a trip to Hawaii with your company.
- ④ I'm afraid there aren't any.
- ⑤ Is it possible to leave the next day instead?
- ⑥ Of course. You can get a cheaper flight on the 14<sup>th</sup>.
- ⑦ Then, we will cancel your trip to Hawaii.
- ⑧ Yes. 30,000 yen is a reasonable price.
- ⑨ You will still be booked for leaving to Hawaii on November 13<sup>th</sup>.

Ⅳ 次の英文を完成させるのに最も適切な語（句）を、①～④の選択肢からそれぞれ一つずつ選び、所定の解答欄にマークしなさい。

1. There is a widespread idea that organic food is ( ) than non-organic food. 21

- |               |                       |
|---------------|-----------------------|
| ① much health | ② as healthy          |
| ③ healthier   | ④ much more healthier |

2. My mom ( ) to give me money for lunch, so I had to borrow cash from the teacher. 22

- |          |            |
|----------|------------|
| ① paid   | ② forgot   |
| ③ didn't | ④ reminded |

3. Bring a light jacket. ( ) it is warm all year, it sometimes gets a little cold at night. 23

- |         |            |
|---------|------------|
| ① Since | ② Because  |
| ③ As if | ④ Although |

4. He performed poorly in the class. This is because he ( ) at all. 24

- |                     |                         |
|---------------------|-------------------------|
| ① was hardly study  | ② hardly studied        |
| ③ is hardly studied | ④ didn't hardly studied |

5. His stories aren't very interesting, ( ) they? 25

- |       |          |
|-------|----------|
| ① are | ② aren't |
| ③ do  | ④ don't  |

6. I could not have succeeded so far if it ( ) for the help I received. 26

- |                |                 |
|----------------|-----------------|
| ① had not been | ② have not done |
| ③ is not       | ④ would have    |

V 次の (        ) 内の語 ( 句 ) を、日本語の文に合うように並べ替えて、指定された場所にくるものの番号を所定の解答欄にマークしなさい。

1. この本はとても難しかったので、少しも理解できなかった。

This book was ( ① couldn't ② that ③ it ④ difficult ⑤ so ⑥ I ⑦ understand )  
at all.

This book was (                    )(                    )(  )(                    )  
(                    )(  )(                    ) at all.

2. 夜遅くにそんなに激しく運動をしない方がよい。

You ( ① not ② better ③ so hard ④ had ⑤ late ⑥ exercise ) at night.

You (                    )(                    )(  )(                    )  
(                    )(  ) at night.

3. 彼がどこに住んでいるのか突き止めるのに、私たちはあまり苦労しなかった。

We didn't ( ① where ② lives ③ difficulty ④ finding out ⑤ he ⑥ have  
⑦ much ).

We didn't (                    )(                    )(  )(                    )  
(                    )(  )(                    ).