

英 語

(医 学 部)

— 2 月 2 日 —

解答はすべて解答用紙に記入して提出しなさい。

1 次の英文を読み、問1、問2、問9は問いに答え、問3～問8は文を完成させなさい。答えは最も適切なものを、それぞれア～エの中から一つ選びなさい。問10は指示に従ってTかFを選びなさい。

Dictionaries define the word “bilingual” as the ability to speak two languages fluently. For much of the twentieth century, researchers, educators, and policy makers thought that being able to speak a second language hindered a child’s academic and intellectual development. Modern research, [1], has shown that being bilingual may be more of a benefit than an obstacle. Recent reforms in government policies have begun to reflect this change in attitudes.

It was previously thought that speaking two languages created a conflict in the brain. This claim is not completely incorrect. When a person speaks two languages, one language can interfere with the other. Words from both languages can compete when the bilingual is speaking, which can sometimes cause words in the wrong language to be used. This interference is not entirely negative; in fact, numerous examples of recent research have shown that it provides the brain with a workout and increases mental capability.

In 2012, researchers from Northwestern University in the United States, writing in the *Proceedings of the National Academy of Sciences*, claimed to have biological evidence that bilingualism boosts brainpower. In their study, the team of researchers monitored the brain activity of 48 healthy volunteers, 23 of whom were bilinguals. With the use of electrodes* attached to the volunteers’ heads to analyze brain waves, they found that the bilinguals were better at listening for specific details and understanding meaning in specially designed audio tests than those who spoke only one language. The tests were undertaken in extremely noisy environments, but the bilingual volunteers were far more accurate in their answers. One of the researchers in the study pointed out that people often use crosswords and other types of puzzles to keep their minds healthy as they get older, but that being bilingual helps produce this advantage automatically.

[2] providing a mental workout, research has shown other benefits, such as improved multi-tasking skills, that extend beyond the use of language. Researchers at Pennsylvania State University found that having two languages competing in the brain translates into other multi-tasking abilities. In their study, bilingual participants who used a driving simulator while doing other activities at the same time made fewer errors in driving than monolingual volunteers. Other research claims to show improvements in areas such as memory, perception skills, and decision-making.

There are, of course, practical advantages to being bilingual. Speaking two languages, rather than just one, has significant benefits in our increasingly globalized world. Being bilingual allows individuals to converse with a wider range of people and gain valuable insight into other cultures. Consequently, with the growing awareness and acceptance of new research into bilingualism, employers are also seeking new graduates with these skills. Indeed, some government policy makers argue that young people who can only speak one language are at a considerable disadvantage when competing against bilinguals in the job market. Academics agree, claiming that schools should do more to ensure successful language programs, forcing governments to change their educational policies.

Whereas bilingualism was once frowned upon by researchers and policy makers alike, we now see a growing shift in attitudes. Modern research has shown cognitive advantages to being bilingual, from enhancing brainpower and mental health to boosting multi-tasking and memorization skills. This shift in thinking, born of scientific study, has also brought practical economic benefits to bilinguals, giving them an advantage over their monolingual rivals in an increasingly competitive global marketplace.

* electrode 電極

問1 Which word best replaces [1] in the passage?

- ア. moreover イ. therefore ウ. however エ. accordingly

問2 Which of the following best replaces [2] in the passage?

- ア. In addition to イ. In preference to ウ. In spite of エ. In place of

問3 In the fourth line of the third paragraph, “they” refers to _____.

- ア. bilinguals イ. researchers ウ. volunteers エ. educators

問4 According to the second paragraph, being bilingual _____.

- ア. confuses individuals and hinders cognitive development
イ. assists the brain by increasing mental function
ウ. prevents people from exercising appropriately
エ. prepares society for times of conflict

問5 According to the third paragraph, researchers at Northwestern University asked volunteers to _____.

- ア. speak in two different languages
イ. listen for particular information
ウ. do assorted physical activities
エ. translate documents into other languages

問6 According to the fourth paragraph, researchers claimed bilingual people are better at _____.

- ア. decreasing their levels of anxiety when driving
イ. determining how safely a car is being driven
ウ. driving cars at high speeds without accidents
エ. driving while doing additional activities

問7 According to the fifth paragraph, some government policy makers assert that bilingual people _____.

- ア. have more insight into their own cultures
イ. can make better language policies for governments
ウ. are able to plan their vacations more easily
エ. have a greater chance of finding employment

問8 The main purpose of the final paragraph is to summarize _____.

- ア. what types of participants were selected for the research on bilingualism
イ. what twentieth-century scientists thought about bilingualism
ウ. what has resulted from a change in thinking towards bilingualism
エ. what the term bilingualism means and when it is used

問9 Which would be the best title for the passage?

- ア. New Insights into Bilingualism
- イ. The Pros and Cons of Being Bilingual
- ウ. Controversial Bilingual Education Policies
- エ. Science as Key to Achieving Bilingualism

問10 Based on the passage, mark “T” if the statement is true, and mark “F” if the statement is false.

- 1. Somebody who has studied another language for a long period of time is described as being bilingual.
- 2. Bilingual people have no trouble staying in one language or the other.
- 3. Doing crossword puzzles is believed to help promote mental health.
- 4. Some scholars are concerned that schools are not doing enough to promote students' language skills.
- 5. Research into bilingualism has yet to influence government policy on language education.

次の1～10の英文の空所に入る最も適切な語(句)を、それぞれア～エの中から一つ選びなさい。

1. Would you mind () me to the station tomorrow morning?
ア. driving イ. drove ウ. drive エ. being driven
2. Never again () to lend him money.
ア. will offer I イ. offer I will ウ. will I offer エ. offer will I
3. If () an account with us, you can skip this process.
ア. have already you イ. have you already ウ. you already have エ. already have you
4. In this country, () your nose in public is impolite.
ア. blew イ. blow ウ. blown エ. blowing
5. Althea would always help someone who really () assistance.
ア. needed イ. needing ウ. will need エ. is needed
6. Remember () your plastic bottles back to the supermarket for recycling.
ア. takes イ. to take ウ. took エ. to be taken
7. Getting my license depends on () I get enough points on the test.
ア. whether イ. which ウ. whoever エ. whom
8. According to the weather forecast, there will be high winds () the early hours tomorrow morning.
ア. on イ. as ウ. between エ. during
9. My sister () abroad twice before she was eighteen.
ア. will be イ. has been ウ. was being エ. had been
10. () his classes for the afternoon, Professor Thomas left school immediately to catch his flight.
ア. Having canceled イ. Are canceled ウ. Have canceled エ. Being canceled

次の1～10の英文を読み、下線部の意味に最も近い語(句)を、それぞれア～エの中から一つ選びなさい。

1. Jeremy set out to build a career as an Olympic coach.
ア. planned イ. petitioned ウ. pretended エ. performed
2. My boss's speech at the farewell party was touching.
ア. demanding イ. challenged ウ. inspired エ. moving
3. He was a legendary guitarist with 35 top ten hits in the 1970s and 1980s.
ア. humble イ. renowned ウ. handsome エ. rude
4. There is little profit in doing business that way.
ア. benefit イ. expense ウ. loss エ. salary
5. He always hesitates before he answers a question.
ア. sighs イ. pauses ウ. rehearses エ. sweats
6. Car makers are expected to manufacture more environmentally-friendly vehicles.
ア. lease イ. operate ウ. produce エ. drive
7. Don't get so annoyed when things go wrong.
ア. tired イ. irritated ウ. scared エ. depressed
8. These gems I bought for my mother are authentic.
ア. real イ. expensive ウ. simple エ. gigantic
9. The participants assembled for the start of the conference.
ア. listened イ. gathered ウ. announced エ. negotiated
10. It goes without saying that we'll lose the game.
ア. is odd イ. is unfortunate ウ. is obvious エ. is unexpected

Dolores: Cindy, you're getting much better grades this semester. What's changed from last semester?

Cindy: To be honest, my classes are less challenging this term.

Dolores: That can't be all. You seem more energetic and studious.

Cindy: That, too. I decided to make sleep a priority. I always make sure I get eight hours every night. I also spend more time reviewing my notes after class and ask my classmates or teachers for help if I don't understand something mentioned in class.

Dolores: You know Cindy, play your cards right, and you could actually get accepted for the study abroad program in Germany next semester.

Cindy: I would love that! It's a dream of mine to live and study there. But the program is really competitive. I still don't have the grades, and I would need to get at least 80 percent on the German speaking test. I would also need to get my advisor to write a letter of recommendation.

Dolores: You can do it. I know that there are some evening classes throughout the year. They are offered in February, June, and September. The classes are taught in the Communication Center in Butler Hall, the building across from the library. I took a great class last year, so I can recommend a good teacher if you like.

Cindy: That would be great! Thanks for the help.

5. What is one reason Cindy is getting better grades?

- ア. She is helping her classmates after class.
- イ. She is getting up early in the morning.
- ウ. She is taking less demanding classes.
- エ. She is spending more time abroad.

6. What does Dolores mean when she says, "play your cards right?"

- ア. take risks while playing card games
- イ. go right to the office and apply
- ウ. use flashcards for new vocabulary
- エ. make all the correct choices

7. What is **NOT** mentioned about the study abroad program in Germany?

- ア. Language skills are needed.
- イ. You must sign up for volunteer work.
- ウ. Good grades are a requirement.
- エ. You must get a letter of recommendation.

8. According to the conversation, what is true about the evening German classes?

- ア. They are offered three times a year.
- イ. They are offered before noon.
- ウ. They are taught in a room located in the library.
- エ. They are taught by a teacher that Cindy knows.

- 4 次の2つの会話文を読み、1～8の問いに答えなさい。答えは最も適切なものを、それぞれア～エの中から一つ選びなさい。

Harley: Mike, where are you going? Don't you have the afternoon shift today?

Mike: I need to leave early. Last week I asked Glenn, our new shift manager, if I could take off early today, and he gave me the OK.

Harley: Is everything all right?

Mike: Yeah, I'm good. But I have a lot of things I need to take care of. First, I'm going to go and vote. The election looks close, so my vote may make a difference. After that, I need to pick up some clothes at the dry cleaner's. Then I have to run over to that party planner's on Piccolo Street to make some arrangements...

Harley: Wait, why do you need a party planner? Are you having a party or something?

Mike: Yes, I told you about it already. It's for Annie's 16th birthday party next month. You said you and Megan were coming.

Harley: Sorry, Mike. It slipped my mind. I have a lot going on next month. But don't worry. Megan and I will be there.

Mike: Good. After stopping at the party planner's, I need to get some groceries for dinner tonight. I hope I have enough time.

1. Why does Mike want to vote in the election?

- ア. He may have free time. イ. He enjoys politics.
ウ. His vote may be important. エ. His manager suggested it.

2. What do we know about Mike from this conversation?

- ア. He is arranging a birthday party for his wife Megan.
イ. He is hiring someone to help at Annie's birthday party.
ウ. He will have Harley deliver the food and drinks to the party.
エ. He will buy groceries and have them delivered to Annie's party.

3. What does Harley mean when he says, "It slipped my mind?"

- ア. He hasn't bought a gift yet for Annie's party.
イ. He is too busy to help Mike with the party.
ウ. He doesn't mind asking Megan to the party.
エ. He had forgotten about the birthday party.

4. Where is this conversation most likely taking place?

- ア. at a company イ. at a voting center
ウ. at a dry cleaner's エ. at a birthday party

- 5** 次の問1～4の英文を読み、話の流れに沿って意味が通るように並べ替えた場合、最も適切なものはどれか。それぞれア～エの中から一つ選びなさい。

- 問1 1. Many of us think that young people waste too much time on their smart phones.
2. For example, educational apps help students to complete tasks or access useful information on the Internet.
3. With these viewpoints in mind, recent research has been looking at the educational benefits of smart phones.
4. Some have even suggested that they should be banned completely from places like schools.

ア. 3 → 1 → 4 → 2 イ. 1 → 4 → 3 → 2
ウ. 3 → 2 → 1 → 4 エ. 1 → 2 → 3 → 4

- 問2 1. For instance, people are installing things like heat pumps and solar energy systems.
2. This can be seen in the price of electricity, which has nearly doubled.
3. Energy costs have been soaring, especially over the past thirty years.
4. These price increases have led to energy-saving efforts by homeowners.

ア. 2 → 3 → 4 → 1 イ. 3 → 1 → 2 → 4
ウ. 2 → 1 → 3 → 4 エ. 3 → 2 → 4 → 1

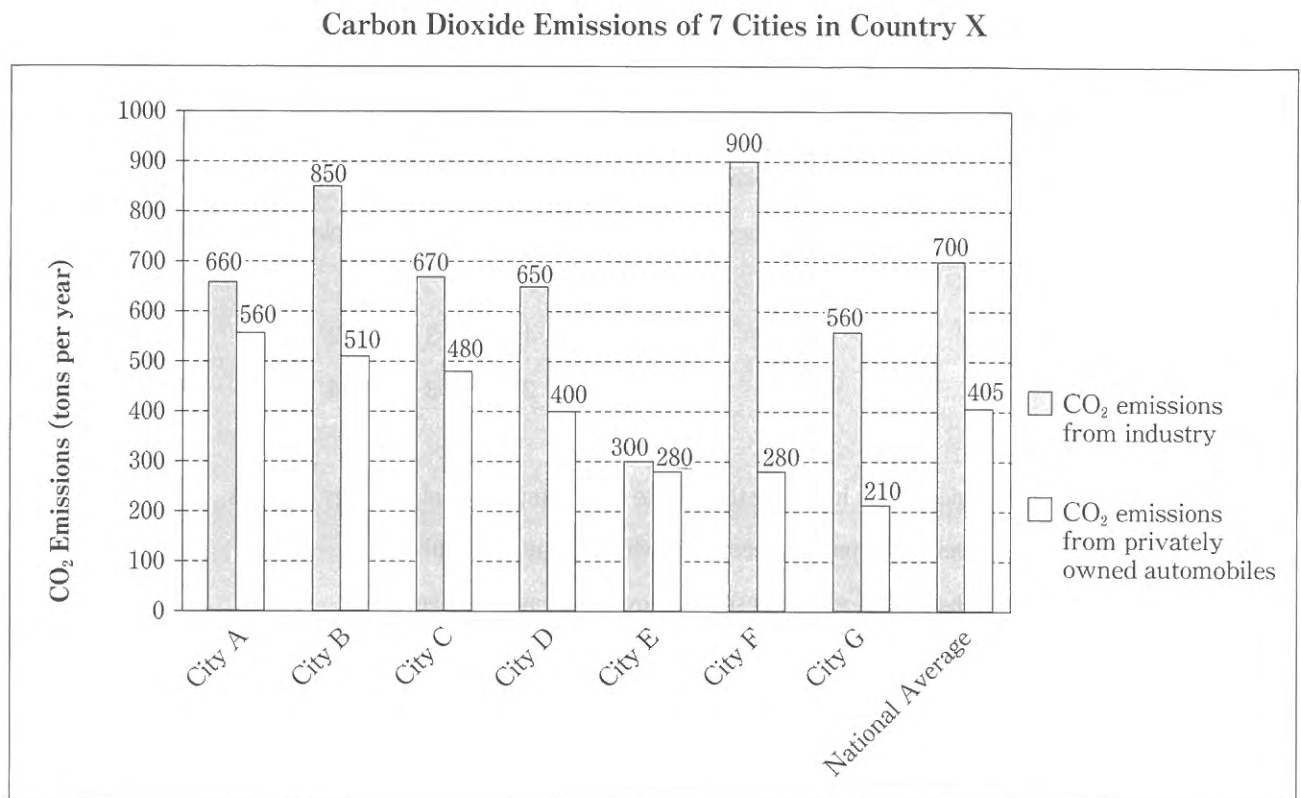
- 問3 1. This drop is due to shortened hospital stays and reduced nursing staff.
2. In the last year, however, patient numbers have seen an increase.
3. Two major outbreaks of influenza are one reason for the rise.
4. Over the last decade, hospital services have declined markedly as a percentage of national health care costs.

ア. 4 → 1 → 2 → 3 イ. 2 → 4 → 3 → 1
ウ. 4 → 3 → 1 → 2 エ. 2 → 3 → 1 → 4

- 問4 1. It is their oil glands located at the base of the tail, which are used for conditioning their feathers.
2. The oil not only serves as insulation, but also helps penguins glide more smoothly in the water.
3. They help the penguins to maintain skin that is both warm and dry.
4. As many of you know from our trip to the aquarium, penguins have a special feature.

ア. 1 → 4 → 3 → 2 イ. 4 → 1 → 3 → 2
ウ. 1 → 2 → 4 → 3 エ. 4 → 2 → 1 → 3

- 6 次のグラフを見て、英文の空所(1)～(4)に入る最も適切なものを、それぞれア～エの中から一つ選びなさい。



—— 上記のグラフは架空のものです ——

The above graph shows the carbon dioxide (CO₂) emissions of seven cities in Country X. The gray bars indicate total CO₂ emissions from industry, while the white bars indicate those from privately owned automobiles (POAs). Note that the national average for POA emissions is (1) tons of CO₂ per year, and that (2) cities have POAs below the national average. CO₂ emissions from industry for cities (3) are no more than 300 tons higher than their POA emissions. Although City E's CO₂ emissions from industry are (4) of those of City F, the two cities' POA emissions are exactly the same.

- | | | | |
|-------------------------|-------------------|-------------------|-------------------|
| (1) ア. 405 | イ. 510 | ウ. 560 | エ. 700 |
| (2) ア. two | イ. three | ウ. four | エ. five |
| (3) ア. A, B, F, and G | イ. A, C, D, and E | ウ. B, C, E, and F | エ. B, D, E, and G |
| (4) ア. an eighth | イ. a sixth | ウ. a fourth | エ. a third |

7

次の英文を読み、下線部(1)と(2)を日本語に訳しなさい。

Many countries in the developed world are facing problems associated with aging populations and declining birthrates. One of the most complicated of these problems is the funding of pensions for the growing number of retired people. Throughout the last century, improved sanitation and advances in medical care have led to more people living to advanced ages. Coupled with a declining birthrate, this means that there are fewer people paying taxes, but more money is being spent on pensions. This situation worsened further in the final decades of the twentieth century, when people began to retire at much earlier ages. Introduction of early retirement was intended to provide more jobs for young people, but it has also increased spending on pensions.

8

次の文の下線部(1)と(2)を英語に訳しなさい。

The Academy Awards is an annual American awards ceremony honoring achievements in the film industry. Among the several types of awards presented by the Academy, the best known one is probably the Academy Award of Merit, which is also known as the "Oscar." An announcement about the Oscar nominees is made in late January, followed by the Academy Awards ceremony held either on the last Sunday of February or the first Sunday of March. The ceremony takes place in Los Angeles, California and is now broadcast live in more than 200 countries. 世界中のエンターテインメント業界や映画ファンはこの名誉ある行事に彼らの関心を寄せる。 The Oscar statuettes presented at the ceremony have the power to change the recipients' careers and lives. However, certain rules must be followed. 原則的に、受賞者がこれらを所有するが、市場に売り出さないことになっている。