

# 英語

(医学部)

— 2月8日 —

解答はすべて解答用紙に記入して提出しなさい。

次の英文を読み、問1、問3、問5、問6、問9は問い合わせに答え、問2、問4、問7、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A～E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。

"A thing is right when it tends to preserve the integrity, stability, and beauty of the \*biotic community. It is wrong when it tends otherwise."<sup>註1</sup> Aldo Leopold, an American environmental scientist and author, wrote these words to summarize his philosophy of land management, restoration, and preservation. Later published in his book of essays, *A Sand County Almanac*, these two sentences are often referred to as his Land Ethic: a set of principles that have provided guidance and inspiration to people all over the world.

Leopold graduated from Yale University in 1909 with a doctoral degree in forestry and was assigned to the U.S. Government Forest Service territories in the western U.S. There he created the first management plan for the Grand Canyon National Park, wrote the Forest Service's first game and fish handbook, and proposed the first national wilderness area. He also worked with local ranchers to protect livestock by hunting bears, mountain lions, and wolves.

In 1924, Leopold was transferred to the U.S. Forest Products Laboratory in Madison, Wisconsin, eventually being promoted to Associate Director. Nine years later, he was appointed Professor of Game Management at the University of Wisconsin, the first position of <sup>(A)</sup>its kind. At this time, Leopold and his wife Estella bought 80 acres of land just north of Madison and began to bring their six children to visit and stay in their small cabin.

Like much of the land in this region, Leopold's property had been seriously damaged by logging and overgrazing of dairy cattle. He decided to take the bull by the horns and apply his ideas of land management and <sup>(B)</sup>restoration to fix these problems in the real world. The family worked hard to plant thousands of pine trees, as well as native plants and grasses over the years. In time, the pines and the deep root systems of this vegetation helped hold the soil in place against wind and water erosion. Additionally, they created a habitat for indigenous birds, animals, and insects.

During this time, Leopold wrote detailed notes each day about the plants, animals, and weather that he had observed. He also began writing a series of essays, summarizing his experiences and philosophy regarding nature; in these writings, he developed his Land Ethic. Instead of the natural environment as something to be exploited and dominated, he proposed a different, more equal relationship between humans and nature, one that "include[s] soils, waters, plants, and animals, or collectively: the land."<sup>註2</sup> Leopold submitted a manuscript of these essays, along with others he had written for popular hunting and conservation magazines, to a publishing company. The manuscript was accepted for publication in 1949.

[ 1 ], Leopold never knew how influential his book or his ideas would become. Just a week and a half after receiving the news of the book's acceptance, he died of a heart attack at the age of 61 while helping to fight a wildfire on a neighbor's property. However, *A Sand County Almanac* was published posthumously by his son, and in the 1960s and 1970s, the book was rediscovered by readers trying to understand and find solutions to growing environmental problems. A sign of the book's continued success and influence is the fact that it has been translated into 12 languages and has sold over two million copies, indicating that people all over the world are still inspired by Aldo Leopold and his Land Ethic.

\*biotic 生命(生物)に関する

注1 : Aldo Leopold, *A Sand County Almanac*, Oxford University Press, Inc. 1966:262. より引用

注2 : Aldo Leopold, *A Sand County Almanac*, Oxford University Press, Inc. 1966:239. より引用

問1 Which of the following best replaces [ 1 ] in the sixth paragraph?

ア. Fortunately イ. Tragically ウ. Obviously エ. Seemingly

問2 According to the first paragraph, the quotation from Leopold \_\_\_\_\_.

ア. reflects his ethical and philosophical ideas  
イ. is the title of his famous environmental book  
ウ. is disputed by others in the biotic community  
エ. summarizes the ideas of his fellow scientists

問3 According to the second paragraph, what was NOT part of Leopold's experience?

ア. protecting ranchers' cattle and other animals from predators  
イ. studying forestry at Yale University in the 20th century  
ウ. creating written materials for the U.S. Government Forest Service  
エ. preserving the population of bears, mountain lions, and wolves

問4 In the third paragraph, its refers to Leopold's \_\_\_\_\_.

ア. work at the U.S. Forest Products Laboratory イ. promotion to Associate Director  
ウ. job at the University of Wisconsin エ. hometown of Madison, Wisconsin

問5 According to the third paragraph, when did Leopold most likely become a professor at an academic institution?

ア. 1909 イ. 1924 ウ. 1933 エ. 1949

問6 In the fourth paragraph, which of the following best matches the meaning of take the bull by the horns?

ア. confront a difficult situation イ. control domestic animals  
ウ. disregard the advice of others エ. turn an idea into reality

問7 According to the fourth paragraph, Leopold's goals for his family's land included \_\_\_\_\_.

ア. increasing milk production and restoring the damaged land  
イ. reducing soil loss and increasing the population of native wildlife  
ウ. planting non-native grasses and strengthening family relationships  
エ. managing the land and logging trees to increase erosion

問8 According to the fifth paragraph, Leopold wrote his essays in order to \_\_\_\_\_.

- ア. bring together and share all his ideas about nature and conservation
- イ. propose a relationship with nature that focuses more on humans
- ウ. become the leading writer in popular conservation magazines
- エ. develop his academic writing skills and enhance his scholarly career

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

- ア. Leopold's Early Years: Yale and Wisconsin
- イ. The History of the Environmental Movement
- ウ. Strategies of Land Management and Restoration
- エ. Positive Impact: Leopold's Environmental Principles

問10 According to the passage, mark "T" if the statement is true, and mark "F" if the statement is false.

- 1. The Land Ethic was proposed after *A Sand County Almanac* had already been published.
- 2. Leopold completed his university requirements while working in the U.S. Forest Service.
- 3. Leopold was the ninth Professor of Game Management at the University of Wisconsin.
- 4. According to Leopold, "the land" is comprised of four key components.
- 5. Leopold never saw *A Sand County Almanac* in print.

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A～Eの中から一つ選びなさい。

1. To accomplish my academic goal by the end of this semester, I need to ( ) study.  
 A. pushing myself to      B. push myself      C. pushing myself      D. push myself to
2. Dinner ( ) when the CEO arrived at the welcome party for new employees.  
 A. has been served      B. served      C. serving      D. was being served
3. The coach required her students ( ) for five hours a day in order to prepare for the competition.  
 A. to swim      B. will swim      C. swam      D. swimming
4. She must be proud of ( ) promoted to principal dancer.  
 A. having been her daughter      B. her daughter having been  
 C. her daughter been having      D. having her daughter been
5. ( ) is a key characteristic of a successful design company.  
 A. Innovative      B. Innovate      C. Innovation      D. Innovator
6. The head of quality control has asked the staff members ( ) the weekly updates were not completed as usual.  
 A. what      B. who      C. why      D. which
7. I was very busy yesterday, so I got my son ( ) our dogs.  
 A. feed      B. to feed      C. will feed      D. fed
8. This computer, in contrast, is ( ) as the newer model.  
 A. as two times heavy      B. times as two heavy  
 C. as heavy two times      D. two times as heavy
9. ( ) you arrive before 8:00 a.m., please give me a call.  
 A. Should      B. Must      C. Ought      D. Would
10. The company spokesperson promises that this new vitamin supplement will ( ) your immune system.  
 A. strengthen      B. strongly      C. strong      D. strength

## 3

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A～Eの中から一つ選びなさい。

1. The government plans to tear down the old building standing in front of the station.

ア. demote イ. demobilize ウ. demolish エ. demonstrate

2. After a week of being used to cut bamboo, the saw had become quite blunt.

ア. filthy イ. shiny ウ. dull エ. sharp

3. When the people next door yell and quarrel, it makes her blood boil.

ア. angers her イ. frightens her ウ. saddens her エ. pleases her

4. The venue needs to be changed because we expect a larger audience for this year's event.

ア. policy イ. fee ウ. time エ. location

5. All students must take these compulsory courses in order to graduate.

ア. secondary イ. required ウ. complementary エ. advanced

6. She had a constructive discussion about her future career with the boss.

ア. heated イ. ongoing ウ. fruitful エ. tiresome

7. The president ordered all the employees to eliminate unnecessary expenses.

ア. get away with イ. get rid of ウ. give rise to エ. give up on

8. At the meeting for the department heads, the director announced her plan to decrease staff across the board.

ア. from all of the departments イ. from some of the departments

ウ. from one of the departments エ. from none of the departments

9. The override switch will deactivate the security system.

ア. disassemble イ. disable ウ. disturb エ. discover

10. Katy and Jesse saw an abandoned house on the hill that looked very spooky.

ア. frightening イ. enormous ウ. ordinary エ. noisy

## 4

次の2つの会話文を読み、1, 4~6, 8は問い合わせに答え、2, 3, 7はその意味・内容に合うように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。

Steve: Hey, Mark, do we have practice next week, the day before our next tennis match? Or was it canceled? There's nothing in my day planner about it. Maybe I forgot to write it down.

Mark: Are you still using that paper day planner book? You really should use the calendar application on your smart phone. It's really convenient.

Steve: No, I like having all the important information in one place where I can find it. We get so many emails with scheduling details about practices, games, and tournaments. It's really hard to keep track of them all, and I can never find an email on my phone. I just want to write down what I need to remember and not worry about it anymore. Also, the battery in my phone is getting weaker; sometimes it doesn't even last for one day!

Mark: Well, it sounds like you need to get the battery checked. But you also need to learn how to get more out of your smart phone. When you open an email with details like times and dates, it recognizes them and gives you the option to automatically add them to your calendar application. You can even create alerts and alarms so you don't forget anything or show up late.

Steve: Oh, my phone has that application, but what if the details in the email aren't the most recent? How do you know the phone will put the right dates and times in your calendar? Aren't you worried it'll make a mistake?

Mark: That's a good point, but that's why the phone shows a preview of the entry in the calendar. You can confirm the information before it's added. It's always important to check, just to be safe. I rarely have a problem, and the software is getting better and better with each update.

Steve: Yeah, I can see how that might be more convenient, but I've always used a paper one and I don't think I'm ready to switch yet. I guess I'm just old school. Oh, and about practice next week, I just remembered why it's not in my day planner. It's the coach's birthday, and he's celebrating with his family!

1. Which of the following is NOT a reason Steve continues to use a traditional day planner?

- ア. He cannot download the calendar application on his smart phone.
- イ. His emails are difficult to locate on his smart phone.
- ウ. His smart phone's battery life is limited nowadays.
- エ. He worries that his smart phone may get things wrong.

2. According to the conversation, the smart phone calendar application ensures accuracy by \_\_\_\_\_.

- ア. blocking unwanted messages
- イ. sending confirmation emails
- ウ. asking for verification details
- エ. alerting users to updates

3. When Steve says he is “old school,” he most likely means that he is \_\_\_\_\_.

- ア. educational
- イ. reliable
- ウ. changeable
- エ. traditional

4. Why is there nothing about tennis practice the day before the match in Steve’s day planner?

- ア. Steve forgot to write it down.
- イ. The coach has other plans that day.
- ウ. Mark did not forward the email.
- エ. The match has been canceled.

Joan: Hey, Julie, isn't it great that we have that three-day weekend next week? Do you have any plans?

Julie: I wish we had four days! But we have classes all day Thursday. Still, the next day, I'm going camping with two high school friends. It will be our first get-together since we graduated five years ago. It's been a long time since we've spent time together, so I'm really pumped to see them again. It should be a lot of fun!

Joan: That sounds fantastic! Are you going to that campground you told me about from your summer vacation with your university friends? The one in the mountains with the great waterfall and swimming spots?

Julie: No, this time it's going to be something a little different. That time we had to carry all the camping equipment up the river by canoe. It was a lot of work! This time we're going "glamping" for two nights at Sunset Beach.

Joan: Glamping? What's that? I've never heard of it before.

Julie: Glamping means "glamorous camping." We just bring our own clothes and stuff, and everything is set up for us at the campsite. We don't have to carry sleeping bags or even prepare the fire. We can just relax and put the hamburgers and hotdogs on the grill. They do everything else for us.

Joan: Wow, that sounds awesome. Is it expensive?

Julie: Well, normally, it's pretty expensive; the regular price for a tent is \$100 per person per night. But one of my friends knows the owner, so all three of us are getting 50% off both nights!

Joan: Wow, that's so great! I'm really envious.

Julie: We do have to pay full price for our transportation there; it's about \$300 for the rental car. How about you? What are you doing that weekend?

Joan: Cleaning my apartment. It's really a mess!

Julie: Oh, that's too bad.

5. According to the conversation, which is NOT a vacation day next week?

A. Thursday       B. Friday       C. Saturday       D. Sunday

6. What does Julie mean when she says "I'm really pumped?"

A. She is scared.       B. She is excited.       C. She is tired.       D. She is honored.

7. According to the conversation, on this glamping trip to Sunset Beach, Julie and her friends only have to

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A. cook the meat and set up the tents       B. pack personal items and prepare the fire  
 C. pack personal items and cook the meat       D. carry sleeping bags and set up the tents

8. What will be the total cost of accommodation for Julie's group?

A. \$50       B. \$100       C. \$300       D. \$600

## 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. Then carefully water them when necessary until seedlings appear.  
 2. When creating a garden, it is important to decide what plants you want to grow.  
 3. If there are too many seedlings, you may need to thin them to ensure proper growth.  
 4. Once you have made your choices, plant your seeds according to the instructions.

ア. 2 → 1 → 4 → 3 イ. 4 → 2 → 3 → 1

ウ. 2 → 4 → 1 → 3 エ. 4 → 3 → 1 → 2

問2 1. Other theories propose a variety of alternate origins and time frames for their migration.  
 2. Despite these differences of opinion, it is commonly agreed that they must have traveled vast distances across the Pacific Ocean.  
 3. The majority of Polynesian people now live on islands located between Easter Island, New Zealand, and Hawaii.  
 4. One theory is that they originated in what is now Taiwan approximately 3,000 years ago.

ア. 2 → 1 → 4 → 3 イ. 3 → 2 → 4 → 1

ウ. 2 → 3 → 4 → 1 エ. 3 → 4 → 1 → 2

問3 1. Further advancements led to power sources such as motors being connected to the axles to rotate the wheels.  
 2. When the wheel was invented, it quickly changed how people traveled.  
 3. One of its earliest uses was in wagons or carts pulled by horses.  
 4. Currently, there are vehicles featuring power sources inside the wheels themselves.

ア. 1 → 2 → 4 → 3 イ. 2 → 3 → 1 → 4

ウ. 1 → 3 → 2 → 4 エ. 2 → 4 → 1 → 3

問4 1. Among these students, approximately 30 percent were freshmen.  
 2. In other words, about 300 freshmen did not participate in sports clubs.  
 3. Within this group of first-year students, nearly 50 percent belonged to sports clubs.  
 4. In 2015, the total enrollment at Midvale University was 2,000.

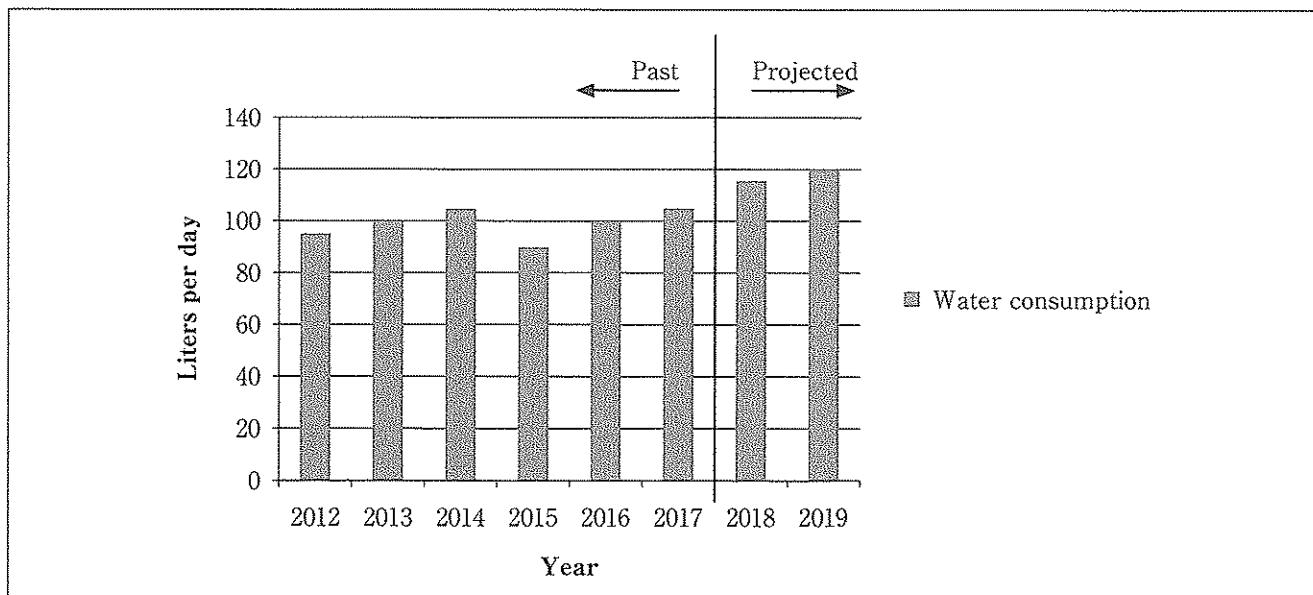
ア. 1 → 2 → 4 → 3 イ. 4 → 1 → 3 → 2

ウ. 1 → 4 → 3 → 2 エ. 4 → 3 → 1 → 2

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。

Average Daily Water Consumption Per Person in Springfield City (2012-2019)



―― 上記のグラフは架空のものです――

The above chart shows the daily water consumption per person in Springfield City from 2012 to 2017, as well as the ( 1 ) consumption for the following two years. The average for the first three years of data was approximately ( 2 ) liters per day. In ( 3 ), thanks to a city-wide program to reduce water usage, the average consumption was 90 liters per day. However, due to hotter and drier summers in the following years, water consumption returned to previous levels. Based on predictions of ( 4 ) water consumption for the next two years, city officials are concerned that stricter measures may become necessary.

(1) ア. recorded	イ. accepted	ウ. rejected	エ. estimated
(2) ア. 60	イ. 80	ウ. 100	エ. 120
(3) ア. 2014	イ. 2015	ウ. 2016	エ. 2017
(4) ア. rapidly decreasing	イ. suddenly stabilizing		
ウ. wildly fluctuating	エ. gradually increasing		

