

## 2025年度 専門学科・総合学科出身者入試 英語【理工学部・農学部】

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I 次の英文を読み、質問に答えなさい。(22点)

Most people have taken antibiotics\* at some point in their lives. Doctors prescribe these very useful medicines to (1) fight bacterial infections resulting from wounds, to treat infections of organs such as the kidney, and to treat diseases such as pneumonia.

The antibiotics we commonly use today were (2) discovered quite a long time ago. Penicillin was (3) identified by Alexander Fleming in 1928. Even the newer antibiotics such as amoxicillin entered the market several decades ago.

And this indicates a major problem — almost no new classes of antibiotics have been discovered since the 1970s. Furthermore, in the meantime, bacteria have become resistant to existing antibiotics. (4) Life-threatening “superbugs” have appeared all over the world, resistant to almost all classes of antibiotics.

Now, researchers in the United States may have found a way forward. They investigated microbes\* in the soil for their anti-bacterial properties. This has been done before, but one problem has been that very few microbes will grow in laboratory conditions. To overcome this, the team at Northeastern University in Boston used special equipment to (5) culture the microbes in their native soil. In their natural environment, they grew into colonies, which could then be tested to find possible antibiotics.

(Source: *Science Finder*. Seibido. 2017)

antibiotics\* 抗生物質

microbes\* 微生物

問1 下線部(1)～(5)の文中での意味として最も適切なものを、(A)～(D)の中から一つずつ選びなさい。

- |                    |               |                |            |
|--------------------|---------------|----------------|------------|
| (1) (A) stop       | (B) encourage | (C) compete    | (D) remark |
| (2) (A) originated | (B) purchased | (C) invented   | (D) found  |
| (3) (A) produced   | (B) published | (C) recognized | (D) named  |
| (4) (A) Fatal      | (B) Mild      | (C) Healthy    | (D) Urgent |
| (5) (A) plant      | (B) grow      | (C) blend      | (D) select |

問2 質問(1)～(3)の答えとして最も適切なものを、(A)～(D)の中から一つずつ選びなさい。

(1) What is the function of antibiotics?

- (A) To solve all our medical problems
- (B) To identify diseases caused by a virus
- (C) To treat health problems caused by bacterial infections
- (D) To ease fevers and severe headaches

(2) Which of the following is true?

- (A) Most antibiotics we use today have been around since the early 20th century.
- (B) Alexander Fleming discovered penicillin about 100 years ago.
- (C) New antibiotics are constantly becoming available in the world.
- (D) Once an antibiotic is produced, people can rely on it forever.

(3) What was the difficulty with using the microbes in the soil for the development of antibiotics?

- (A) No research teams in the United States had enough budget.
- (B) There are so many microbes in the soil to select the right one.
- (C) Collecting anti-bacterial properties was a time-consuming process.
- (D) It was hard to raise the soil-oriented microbes in the laboratory.

Ⅱ 次の英文の空所に最も適切なものを (A) ～ (D) の中から一つずつ選びなさい。(10点)

(1) Let's work together to \_\_\_\_\_ our goal! We can do it!

- (A) achieve                      (B) make                      (C) receive                      (D) touch

(2) Our team started \_\_\_\_\_ for the next season earlier than our rivals.

- (A) prepare                      (B) not prepare                      (C) preparing                      (D) prepared

(3) I get really upset when people \_\_\_\_\_ line to get on the train.

- (A) break in                      (B) cut in                      (C) destroy                      (D) violate

(4) Students who are late \_\_\_\_\_ class always miss important information at the opening section.

- (A) with                      (B) for                      (C) on                      (D) by

(5) Deepfake technology is developing \_\_\_\_\_ a frightening pace.

- (A) at                      (B) in                      (C) over                      (D) toward

Ⅲ 次の日本語の文の意味を表すように英文を完成させるとき、①～⑫に入る語句の記号を (A)～(G)の中から一つずつ選びなさい。ただし、文頭に置かれる語句もすべて小文字で表記されています。(12点)

1. 最近、寺院の古い建物を修復中に、意外な発見がありました。

The recent restoration of (        )( ① )(        )( ② )(        )( ③ )(        ).

- (A) building                      (B) discoveries                      (C) old                      (D) revealed  
(E) surprising                      (F) temple                      (G) the

2. もし私があなたなら、あの杖をついている人にバスで席をゆずります。

(        )( ④ )(        )( ⑤ ), I (        )( ⑥ )(        ) on the bus to that passenger with a cane.

- (A) I                      (B) if                      (C) offer                      (D) you  
(E) my seat                      (F) were                      (G) would

3. 日々の食事がさまざまなパフォーマンスに影響を与えるのは、スポーツ選手だけの話ではない。

It (     )( ⑦ )(     )( ⑧ )(     )( ⑨ )(     ) their performance in various ways.

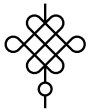
- (A) affects      (B) is      (C) daily diet      (D) only  
(E) athletes      (F) whose      (G) not

4. スイセンは春一番に地上に姿を現す花の一つである。

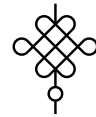
Daffodils are (     )( ⑩ )(     )( ⑪ )(     )( ⑫ )(     ) from the ground in spring.

- (A) emerge      (B) first      (C) of      (D) one  
(E) flowers      (F) the      (G) to

Ⅳ 次のポスターと会話を元に、質問の答えに最も適切なものを(A)～(D)の中から一つずつ選びなさい。(6点)



## *Faculty of Art Visual Design Contest*



Art major students are invited to submit two-dimensional works of art. (A separate contest for three-dimensional works and video works will be held in summer.) The theme for the contest is “Hope”. The use of AI tools in the production of submitted works is prohibited. Any work found to use AI tools will be disqualified. Your work(s) will be shown on the university website throughout 2025.

Prizes: Two overall winners will be invited to attend a week-long art course in Italy.

Deadline: February 14

Submissions: Faculty office (Level 2, Building 9)

For inquiries, please contact [artvdcontest@neyagawacollege.edu](mailto:artvdcontest@neyagawacollege.edu)

Ayumi: Look! Why don't you enter with the photos you took this spring?

Ted: When is the deadline? Oh, I still have enough time to take some new photos.

Ayumi: You're right. That means I have time to finish the picture I'm working on, too!

Ted: The digital painting? You should do that. I'd love to see it done.

- (1) What is the poster about?
- (A) a competition      (B) an exam      (C) a trip      (D) a university
- (2) According to the poster, which of the following is true?
- (A) Participants must be taken to the Faculty of Art.
- (B) No AI tools are allowed to be used.
- (C) While paintings are not accepted, photographs are.
- (D) Only one person will win a prize.
- (3) Which of the following is true?
- (A) Ayumi is encouraging Ted to take part in the contest, but he is reluctant to do so.
- (B) Ted is thinking about producing a new music video for the other contest.
- (C) Neither of the speakers is showing much interest in the poster.
- (D) Both speakers have some ideas about works they will submit.