

平成30年度入学試験問題

外国語（英語）601

（前期日程）

表紙も問題・解答用紙も全て
表面のみに印刷している。

（注意事項）

- 1 問題・解答用紙は、係員の指示があるまで開かないこと。
- 2 この表紙を除いて、**問題用紙は3枚（その1～その3）、解答用紙は3枚（その1～その3）、下書き用紙は1枚**である。用紙の折り方は図のようになっているので注意すること。
- 3 解答は、**解答用紙（その1～その3）の指定された箇所**に書くこと。指定された箇所以外に書いたものは採点しない。また、**裏面に解答したもの**も採点しない。
- 4 **解答開始後、解答用紙の「受験番号」欄に受験番号をはっきりと記入すること。**
- 5 配布した用紙はすべて回収する。



外国語（英語） 601 その1（問題用紙）

第1問 次の文章を読み、下の問い（問1～5）に答えなさい。問1～2については英語で、問3～5については日本語で答えなさい。

Nearly 790 million people around the world do not get enough to eat. Most of them live in developing countries. Many parts of the developing world do not have transportation systems in place that can bring food to people. It can be difficult to get food to those who need it without good roads and other necessary infrastructure. However, there is a deeper problem. Producing enough food to fight world hunger requires land. If we are talking about raising cattle for their meat—that means a lot of farmland and other resources.

A group of researchers in California may have found a way to get protein to hungry people. Stephen Mayfield is a geneticist at the University of California, San Diego. He notes that many people are concerned about calories, the energy-producing value in food. Mayfield specializes in algae, the scientific term for simple, plant-like organisms. He says algae have two things that the world needs, that is, protein and lipids, or fatty acids: “The world, in fact, is not short of calories. What they’re short of is proteins and essential fatty acids. So, algae are naturally very high in proteins and in lipids and those are sort of the two things that the world really needs.”

So, Mayfield and his team have created a dried, powdered form of algae. They break down the organisms into extremely small particles, which can help simplify the problem of transportation. Not only is the algae rich in protein and easy to transport, it also tastes good. Mayfield, showing us how his team is creating the powdered form of algae, says, “Here’s one that we’ve just finished up and so what we do is we simply take this and dry it out. As you can see, it makes a very nice green powder and that is perfectly edible. In fact, it tastes pretty good.”

Growing algae uses less land than other kinds of protein. Mayfield’s big idea is that algae farms could one day replace the huge amounts of land used by farmers to produce protein, in beef from cattle or soybeans. He says, “I’m actually really encouraged by these new companies that have started up to make these synthetic plant-based protein substitutes that look just like meat, right? Because now, ‘oh that looks like something I’m familiar with. I want to eat that.’ However if I could make that with algae protein instead of with beef protein, there would be an enormous environmental benefit and probably an enormous cost benefit as well.”

The United States government provided money for Mayfield’s research. His team just successfully finished a test in which they grew algae in an outdoor environment. Mayfield adds that algae food products are not yet available for sale, but in the future algae may be one way to help feed the world’s hungry people.

〈出典〉 *VOA Learning English/ Health & Lifestyle*, online, June 12, 2017. (一部改変)

問1 Name two reasons why people in developing countries may not get enough to eat. (in English)

問2 What are the two things that people in developing countries tend to lack? (in English)

問3 Describe the processing of algae in this article. (in Japanese)

問4 What is Mayfield’s hope for the future? (in Japanese)

問5 List two advantages of synthetic plant-based protein substitutes. (in Japanese)

外国語（英語） 601 その2（問題用紙）

第2問 次の文章を読み、下の問い（問1～5）に答えなさい。問1～2については英語で、問3～5については日本語で答えなさい。

We all have our good days and bad days. On some days, you might feel invincible—like nothing can touch you. On other days, it feels like everything and everyone is out to hurt you or to make your life miserable.

A while ago, I had one of my bad days. It was a particularly bad day of a particularly bad week. I was lost in my worries, thinking about the past and future. I felt anxious and jaded. Things were not looking up at all. And so I tried to distract myself by looking down—down into my phone.

I looked for animated GIFs of cute animals. That didn't work. I looked for inspirational quotes. They didn't seem relevant to my situation. Even my go-to video of two sea otters holding hands while floating on their backs failed to cheer me up.

So I put my phone away and waited on a crowded train platform, staring into space. The train arrived, and the moment the train doors opened, I noticed a young woman wearing a T-shirt with large letters. I pessimistically thought, "I wonder what weird English is on that?" But to my surprise, it simply stated, "I love the present time."

The message on that T-shirt unexpectedly reset my mood. I was so worried about my past and anxious about my future that I'd forgotten to notice what was going well in the present. I smiled at the young woman and boarded my train. Things suddenly started to look up.

Sometimes, once you start literally looking up, the universe—the real one, not the one in the palm of your hand—starts to help you out. It starts to give you some life lessons. My next lesson was the following day when, on another train platform, I noticed someone else wearing a T-shirt with large letters. This time the T-shirt read, "Your story isn't over yet." It reminded me that whatever tough time I'm having, I've always been adaptable, and have always bounced back. Nothing is ever permanent, and my story was definitely not going to end with me in a grouchy mood.

As my mood began to improve, I decided to treat myself to dinner at my local noodle shop. I left my phone in my bag and as I looked around the room, I noticed a calendar that said in Japanese, "You only live once." I'd seen that calendar so many times, but it was only now that I noticed its message.

The universe works in mysterious ways. And while there will always be things that make us laugh and bring us joy from our smart devices, sometimes the simplest way to lift your mood is to lift your head and look up.

〈出典〉 *The Japan Times ST*, April 21, 2017. (一部改変)

問1 State the contrasting feelings the author experiences on (a) good and (b) bad days. (in English)

問2 List the three ways the author tried to cheer herself up, when she was having a particularly bad day. (in English)

問3 Explain 'the one in the palm of your hand.' (in Japanese)

問4 What did the expression 'your story isn't over yet' prompt the writer to consider? (in Japanese)

問5 What does the author suggest as a simple way to improve your mood? (in Japanese)

外国語（英語） 601 その3（問題用紙）

第3問 次の指示に従って、80ワード程度の長さで、英語の文章を書きなさい。

日本の高校生は、大学入試の時期が近づくと、スポーツや音楽などの活動を全くやめてしまうことが多いようです。しかしながら、週に2～3時間程度はスポーツや音楽の活動を継続した方が、むしろ好ましいと考える人たちもいます。

入試の準備をしながら、スポーツや音楽などの活動も続けることについて、英語で自分の考えを述べなさい。

※以下のような順番でまとめること。

- (1) 最初に「受験勉強中もスポーツや音楽を続けたほうがよい」という考えに対して賛成か反対かを述べる。
- (2) 賛成あるいは反対と考える理由を2つあげて、それぞれ簡潔に説明する。
- (3) 最後に結論（1～2センテンス程度）を書いて、まとめとする。

外国語（英語） 601 その1（解答用紙）

第1問

問1

問2

問3

問4

問5

小計	
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外国語（英語） 601 その2（解答用紙）

第2問

問1 (a)

(b)

問2

問3

問4

問5
