

I 次の会話を読み、下記の設問に答えよ。(配点 25)

Diana: Stop honking your horn so much! It's so noisy. Little good it does anyway. We haven't moved an inch for the last 10 minutes.

Clark: Alright, alright, I'll stop. I'm sorry. It's just so frustrating. We're definitely going to be late for work, and Mr. Luthor is going to let me have it the moment I walk into the office. He's been monitoring me closely these days, and this just might be the last straw. He might finally do something drastic, like let me go or downgrade me.

Diana: There's no way he will do any of that. You're too valuable to the team. He'll just yell at you a little bit, and that'll be the end of it.

Clark: Easy for you to say. You're in the accounting department and not in the sales department. Ms. Kyle is completely different from Mr. Luthor. She seems so relaxed and carefree. You could walk in at noon, and she'd probably greet you with a smile and a cup of coffee.

Diana: Well, I'll grant you that. She's also so 1. She actually buys the whole office doughnuts every other Friday, plus cookies on the Fridays between those. On top of that, she gave me an MP3 player for my birthday.

Clark: What?! That's unbelievable! Mr. Luthor bought us all paperweights for Christmas last year. I think they were just a bunch of green rocks he'd found in his garden.

Diana: Well, that was nice of him, I guess. Anyway, what's the deal with this standstill? I wonder what happened. Maybe there's some kind of accident up ahead on the bridge. Do you remember that truck full of chickens that tipped over a couple of years ago? We had to wait until the police 2 all the chickens running around all over the place.

Clark: Oh, don't remind me! That was terrible. That turned what is usually a 25-minute commute into a 3-hour journey. I hope it's nothing like that this time.

(1) 空所 1 と 2 に入る最も適切なものを次の中からそれぞれ1つ選び、その番号をマークせよ。

- | | | | | |
|---|---------------|-------------------|----------|------------|
| 1 | ① strict | ② ignorant | ③ severe | ④ generous |
| 2 | ① composed of | ② gathered up | | |
| | ③ applied for | ④ participated in | | |

II 次の案内ポスターを読み、下記の設問に答えよ。(配点 25)

Worth City Annual Art Competition

Come on all you budding artists!

As part of our year celebrating the culture of Worth City, we are pleased to announce our brand new initiative that promotes art in the community. The first Worth City art competition is open for entries from this week. We want to search out the hidden talent that resides in our city and bring together the work of those individuals who have a passion for art. The submissions will be judged by a team of local representatives. The first, second and third place winners will receive fantastic prizes 6 having their work displayed at the Town Hall for a full year.

The rules of the contest

- We ask that paintings be of natural life rather than fantastical.
- It must be your own work and not work sourced from external sources.
- The competition is only open to those aged 20 or above due to the content of the prize baskets.
- The work must be submitted by the closing date of May 31.
- Entrants must agree to having their work displayed publicly.
- All entrants must be residents of Worth City.

Further information

We are collaborating with local businesses to deliver a wonderful range of prizes for the first, second and third place winners. These prizes include a luxury basket of local produce including a bottle of the world famous red wine of Reese's Winery in Worth City. The full content of the basket will be decided at a later date depending on produce availability. In addition, the lucky winners will also receive a selection of domestic holiday vouchers from Mortimer's Travel Agency subject to restrictions in destinations. There are plans for a junior competition at some point in the future with alternative prizes offered from local businesses.

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- The city maintains the right to use any winning works in future promotional material.
- The organizers regret that they cannot return any of the submitted works.

(1) 空所 に入る最も適切なものを次の中から1つ選び、その番号をマークせよ。

- ① and yet ② on behalf of ③ in spite of ④ as well as

(2) 本文の内容に合うように、次の1)～3)の問いの答えとして最も適切なものを下記の中からそれぞれ1つ選び、その番号をマークせよ。

1) What is the main purpose of this poster?

- ① To encourage citizens of Worth City to take up photography as a new hobby
② To find the hidden paintings buried in Worth City
③ To appeal to local people to submit work to be evaluated
④ To celebrate a local celebrity in an annual exhibition of art

2) Which of the following statements about the rules is true?

- ① Children are not permitted to enter due to alcohol being one of the prizes.
② Fictional pictures are also permitted as long as they are of a high quality.
③ Any work submitted on June 1 or later will be considered for entry.
④ Anyone from the city or nearby towns will be able to enter the competition.

3) Which of the following statements about the prizes is true?

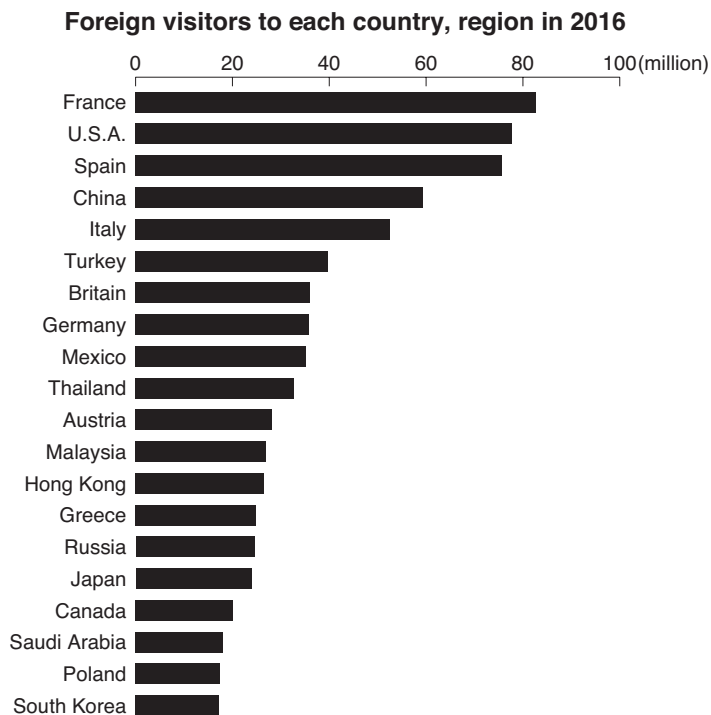
- ① The prizes in the junior competition will not include produce from local businesses.
② The organizers cannot say for certain what they will be able to offer as the content of the baskets.
③ It will be possible to use the holiday vouchers to visit any destination in the world.
④ The first prize will be a bottle of world famous wine from a winery located overseas.

(3) 空所 に入る最も適切なものを次の中から1つ選び、その番号をマークせよ。

- ① Additional information about the vouchers
② Please consider the following conditions
③ Requirements regarding the entrants
④ Rules regarding the first place winner

Ⅲ 次の英文とグラフを参照し、下記の設問に答えよ。(配点 25)

The number of people traveling abroad for tourism is increasing around the world thanks to rising incomes in emerging nations and the globalization of economies. Japan, which has set a goal of having 40 million foreign visitors per year by 2020, is set to benefit from the expanding tourism market. However, the nation should have a sense of urgency that its tourism industry, if



it remains in its current state, may fall behind global trends.

The annual number of overseas travelers across the world increased from below 700 million people in 2000 to 1.2 billion in 2016. It will reach 1.8 billion in 2030. This long-term estimate by the U.N.'s World Tourism Organization (UNWTO) 11 the tourism industry will continue to play an increasingly important role in the global economy.

A summit organized by such entities as the UNWTO for tourism ministers from various countries was held on November 7, 2017 in London. At the summit, a UNWTO secretary general stressed that people in the tourism industry must respond skillfully to explosive growth. Industries related to global tourism employed 290 million people and generated 10.2 percent of global GDP—worth \$7.6 trillion (about ¥860 trillion)—in 2016.

In terms of international visitors by country and region in 2016, France was ranked (ア). The United States and Spain each had over (イ) million. (ウ) was the top of all Asian countries. Japan recorded its greatest number of visitors with 24.03 million.

The UNWTO estimates that the number of tourists visiting the northeast and southeast Asian regions, including Japan, will almost double from 260 million in 2016 to 480 million in 2030.

However, this increase could prove fruitless if the tourism industry in Japan fails to provide sufficient attractions for them.

A chief executive officer from an institution has repeatedly said that the Showa era (1926-1989) tourism philosophy of “quantity over quality” 12 works. The business model that developed during the high economic growth period, of people going on group tours on the weekend and staying just one night, remains strong to this day.

Nowadays, foreign travelers who are not on tour packages comprise nearly 80 percent of the total. A change of mind-set is now a pressing need for Japan.

(Showa era mentality persists in tourism industry (from The Japan News, Nov 20, 2017))

- (1) 空所 11 と 12 に入る最も適切なものを次の中からそれぞれ1つ選び、その番号をマークせよ。

- | | | | | |
|----|------------|------------|--------------|-------------|
| 11 | ① proceeds | ② suggests | ③ rejects | ④ consumes |
| 12 | ① any more | ② not more | ③ any longer | ④ no longer |

- (2) 下線部 “fall” の主語として最も適切なものを次の中から1つ選び、その番号をマークせよ。 13

- ① the nation
- ② a sense of urgency
- ③ its tourism industry
- ④ its current state

- (3) グラフを参照し、空所 (ア) ～ (ウ) に入る組み合わせとして最も適切なものを次の中から1つ選び、その番号をマークせよ。 14

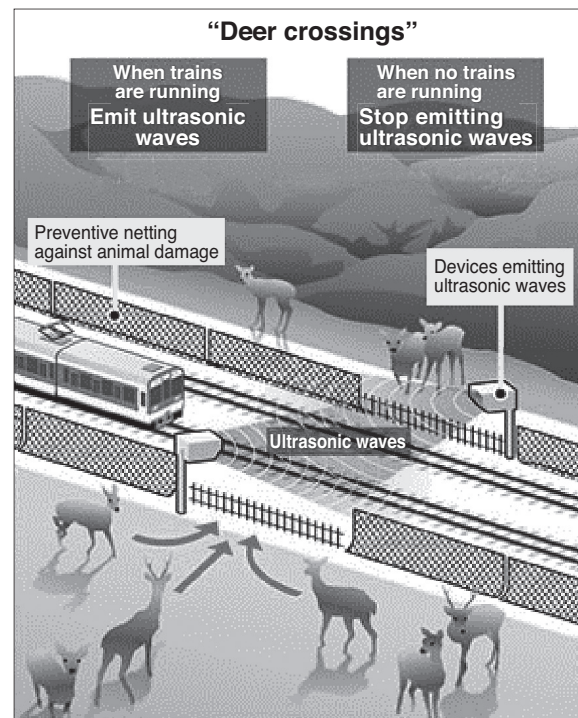
- | | | | | |
|---------|---|-------|---|----------|
| (ア) | — | (イ) | — | (ウ) |
| ① first | — | 70 | — | China |
| ② first | — | 80 | — | Thailand |
| ③ one | — | 70 | — | Thailand |
| ④ one | — | 80 | — | China |

- (4) 本文の内容に合うものを次の中から1つ選び、その番号をマークせよ。 15

- ① 世界の海外旅行者数は2020年までに年間4千万人に達すると見込まれており、それによって発展途上国や世界経済の発展が促進されると期待されている。
- ② 世界の年間海外旅行者数は、2000年から7億人増えて、2016年には12億人になった。
- ③ 2016年の世界のGDPは約76兆ドルであるが、観光関連産業はその約10パーセントを占める。
- ④ UNWTOは、北東・東南アジアからの日本への旅行者数は、2030年には2016年の2倍の4億8千万人になると推計している。

Ⅳ 近鉄（近畿日本鉄道）が設置したシカ踏切に関する次の英文を読み、下記の設問に答えよ。
(配点 55)

Accidents involving wild animals have caused headaches across Japan. Various railway companies have taken measures, such as setting up barriers or trying to scare away animals with flashing lights, noises and the like. However, the problem has continued to worsen. The number of train services that were either suspended or 16 for more than 30 minutes because of collisions with wild animals, such as deer, reached a record high of 613 in 2016, up 185 from the previous year, according to the transport ministry.



Deer collisions have long been a problem for Kintetsu Railway Co., which has many lines running in mountainous areas 17 lots of deer live. Deer-train collisions on its railroad tracks jumped to 288 in 2015 up from 57 in 2004. The 2015 figure shows that the number of accidents has increased by more than 5 times over the 11 years.

One such accident¹⁾ was captured by a surveillance camera installed along the tracks of a major line of the company. A family of deer crossed the tracks one after another at night, and one of the three young deer was struck and killed by a train. One of the deer's parents stared at the fallen deer for about 40 minutes. An employee at the company watched the footage in sadness. It was then that he came up with an idea to solve the problem of constant train delays and loss of wild animal life. "Despite all of our efforts to shut out deer, they still enter the tracks, so why don't we have crossings for deer?" He viewed the matter from an angle no one had ever considered.

In autumn of 2015, he started a detailed survey on the behavior of deer. He found their footprints and traces along both sides of the tracks. He also confirmed the deer's habit of licking the rails for an intake of iron.

The results of his study can now be seen along the train line. Gaps from 20 to 50 meters wide appear in the walls of netting around 2 meters tall that surrounds the

tracks. Ultrasonic waves are emitted within the gaps to keep the deer away from the tracks during particularly hazardous times: early morning or at night. From the last train of the day to the ²⁾first train the following morning, the system is turned off to let the deer enter and 18 the tracks. Allowing the animals to venture on the tracks when train operations are shut down also fits in with the nocturnal nature of deer.³⁾

Three deer crossings have been set up within a one-kilometer section on the line within a mountainous area in Mie Prefecture. In that section, 17 deer-train collisions were reported in 2015. The number fell to 1 in the year and a half since the deer crossings were established in May, 2016. Deer crossings were also installed within another section on the same line in Nara Prefecture in March, 2017. Train accidents caused by deer in this section fell from 13 in 2016 to 2 in the 8 months since the crossings opened.

The man who invented the deer crossings aims not to (ア) but rather to live (イ) deer. His idea won Japan's Good Design Award in 2017. One of the judges⁴⁾ said, "Deer crossings have been proposed with a deer-friendly idea arising from the kindness of the company's railway staff. This is an excellent example of how railway companies can tackle the deer-train collision problem from the deer's perspective, and it is owing to the countless number of deer sacrificed in the accidents."

The company intends to install deer crossings at additional sections on its lines, while also planning ways to guide deer to safety. Officials from other railway companies have taken a look at the deer crossings. In fact, one such company started tests on deer crossings at a section in Okayama Prefecture. "Railway companies have a common source of trouble. It is a great honor for me if the deer crossing system spreads throughout the country," the employee said.

(「朝日新聞 2017. 11. 16 シカ思いの踏切 しかと事故遮断」(大阪工業大学が英訳)、
承諾番号: 19-1671、朝日新聞社に無断で転載することを禁じます)

(1) 空所 16 ～ 18 に入る最も適切なものを次の中からそれぞれ1つ選び、その番号をマークせよ。

- | | | | | |
|----|-----------|------------|---------------|------------|
| 16 | ① delayed | ② broken | ③ transferred | ④ closed |
| 17 | ① which | ② in that | ③ where | ④ in where |
| 18 | ① cross | ② crossing | ③ crossed | ④ to cross |

(2) 下線部1) “One such accident” に関して、本文で述べられているものを次の中から1つ選び、その番号をマークせよ。 19

- ① 夜にある鹿の家族が近づくと、この事故を捉えた監視カメラにインストールされていた警告音が鳴った。
- ② この事故では、子鹿の1頭が列車にはねられて倒れ、2頭の親鹿が、その子鹿をおよそ40分間見つめていた。
- ③ 近鉄のある従業員は、悲しい思いでこの事故映像を見ていた時に、列車と鹿の衝突事故解決への糸口を思いついた。
- ④ この事故映像の後半には、鹿のための踏切を設けてはどうかという、近鉄のある従業員による提案が収録されていた。

(3) 下線部2) “hazardous” と文脈を変えずに置き換えられる最も適切なものを、次の中から1つ選び、その番号をマークせよ。 20

- ① free ② crowded ③ safety ④ risky

(4) 下線部3) の和訳として最も適切なものを次の中から1つ選び、その番号をマークせよ。

21

- ① 列車の運行が停止している時間帯は、鹿が夜の間に自然の中を動き回る時間帯とも一致するので、線路への鹿の侵入をあえて許している。
- ② 鹿が線路に侵入して来られるようにあえて列車の運行を止めて、鹿の夜行性という性質に合わせてもいる。
- ③ 列車が運行していない時間帯に鹿をあえて線路に侵入させるのは、鹿の夜行性という性質ともうまく調和している。
- ④ 鹿を線路に侵入させてしまった時には、鹿が夜の間に自然の中に戻れるように、あえて列車の運行を止める方がよい。

(5) 三重県と奈良県に設置されたシカ踏切とその効果に関して、本文で述べられているものを次の中から1つ選び、その番号をマークせよ。 22

- ① Since 3 deer crossings came into operation in the section on the Kintetsu line in Mie, 17 deer-train collisions have been reported.
- ② The deer crossings in Nara were set up within a year after the opening of the deer crossings in Mie.
- ③ The 3 deer crossings in Mie have a space of 1 kilometer between each crossing.
- ④ The number of the deer-train collisions in the section in Nara has been less than that in the section in Mie since the deer crossings opened.

(6) 空所 (ア) と (イ) に入る組み合わせとして最も適切なものを次の中から1つ選び、その番号をマークせよ。 23

(ア) — (イ)

- ① exclude — while avoiding
- ② exclude — in harmony with
- ③ include — while avoiding
- ④ include — in harmony with

(7) 下線部4) “One of the judges” による、シカ踏切が日本のグッドデザイン賞を受賞した際の発言に関して、本文で述べられているものを次の中から1つ選び、その番号をマークせよ。 24

- ① 鹿への配慮から提案されたシカ踏切は、多くの鉄道職員のやさしい気持ちを喚起した。
- ② 人になつきやすい鹿の性質に鉄道職員が注目した点は素晴らしい。
- ③ シカ踏切は、これまでいかに多くの鉄道会社が、鹿の目線から衝突事故問題に取り組んできたかを示す一例である。
- ④ 鹿の目線からシカ踏切を発想できたのは、事故で犠牲となった多くの鹿の存在のおかげである。

(8) 本文の内容に合うものを次の中から2つ選び、その番号をマークせよ。ただし、解答の順序は問わない。 25 26

- ① 様々な鉄道会社が、防護柵や閃光灯、騒音などを用いて、どの程度鹿を追い払うことができるかを測定してきた。
- ② シカ踏切設置前の近鉄全線での列車と鹿の衝突事故は、2015年までの11年間に288件発生しており、2004年までに発生した事故件数の5倍になった。
- ③ 近鉄のある従業員は、2015年に鹿に関して詳しく調べ始め、鹿には鉄分を摂取するために線路をなめる習性があることを確認した。
- ④ シカ踏切では、高さ約2メートルのネットが線路を囲んでおり、そこに空けられた20～50メートル幅の隙間には超音波が発せられている。
- ⑤ 近鉄は現状のシカ踏切の横幅をさらに広げることによって、鹿の安全を確実なものにしようとしている。
- ⑥ 近鉄以外のある鉄道会社は、シカ踏切を視察したのち、岡山県に実際にシカ踏切を設置し、運用している。

V 次の英文を読み、下記の設問に答えよ。(配点 20)

A kitchen knife, which was so sharp that it could slice through any item very easily, changed the life of a Canadian living in Osaka. The knife was crafted in Sakai, Osaka Prefecture, which is known for manufacturing high-quality kitchen knives. Using the knife for the first time about 10 years ago so (① him ② long ③ impressed ④ he ⑤ that)¹⁾ now operates his own shop specializing in the kitchen knives of Sakai.

About a decade ago, he received a kitchen knife crafted by a manufacturer in Sakai as a gift. When he used the knife, he was astonished at its sharpness. He realized that the knife's sharpness minimizes the time that food has to be handled. He recognized the freshness of *washoku*, such as *sashimi*, is largely made possible by the use of such knives.

He had heard from friends that, although there were many good products in Japan, it was sometimes difficult to promote them among foreigners because some (① only ② who ③ shop workers ④ under ⑤ spoke)²⁾ Japanese were reluctant to receive foreign visitors. So, he opened the shop three years ago to promote Japanese kitchen knives to tourists from overseas, as he thinks the knives deserve more recognition. "I hope kitchen knives manufactured in Sakai will be used by chefs around the world," he said.

He now plans to hold a workshop next to his shop in order to teach people how to use the kitchen knives. He said that, by learning about knives manufactured in Sakai, he came to realize how (① they ② influence ③ was ④ cooking ⑤ greatly)³⁾, although people use them casually. One of his goals is to help people fully understand the real value of Sakai knives.

(Canadian Shop Operator Promotes Kitchen Knives Crafted in Sakai (from The Daily Yomiuri, Feb 28, 2014))

(1) 下線部 1) ~ 3) を文脈に合うように並べかえる際、 unnecessaryなものが1つ含まれている。

その語句をそれぞれ1つ選び、その番号をマークせよ。

- | | | |
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| 下線部 1) | <table border="1"><tr><td>27</td></tr></table> | 27 |
| 27 | | |
| 下線部 2) | <table border="1"><tr><td>28</td></tr></table> | 28 |
| 28 | | |
| 下線部 3) | <table border="1"><tr><td>29</td></tr></table> | 29 |
| 29 | | |

(2) 本文の内容に合う最も適切なものを次の中から1つ選び、その番号をマークせよ。

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- ① The Canadian was surprised to find how much the sharpness of knives, such as those crafted in Sakai, contributes to the freshness of Japanese food.
- ② The Canadian not only demonstrates how to use Sakai knives properly, but also teaches Japanese to foreign visitors sometimes.
- ③ The Canadian plans to give knives manufactured in Sakai as presents to many overseas chefs.
- ④ The Canadian sells kitchen knives crafted by himself as well as those manufactured in a workshop next to his shop.