

一般入試前期B日程

英語

I 次の会話を読み、下記の設問に答えよ。(配点 25)

Diane: Hey, thanks for coming with me. Honestly, I'm the worst at picking out presents for people, but I'm especially lost when it comes to choosing a birthday present for a boy who is about to turn eight.

Jack: It's no problem at all! I like present shopping, and I always love the chance to step into one of these stores and check out all the popular new toys. Plus, it brings back fond memories when I see the ones I used to play with when I was a kid.

Diane: I know what you mean. I think I had this exact same wooden train set when I was three years old. My parents showed me videos of me pushing the little trains down the tracks and making train sounds, like "Choo-choo!"

Jack: That's so cute! I also loved trains when I was that age until I was about seven, but I had that plastic-type over there. I thought that type was better because the trains made sounds, had headlamps that lit up, and moved automatically.

Diane: Nice! It sounds like you were a train person when you were a kid.

Jack: I was them! I had so many boxes full of tracks, locomotives, and various accessories like stations, bridges, and tunnels. I made these detailed worlds for the trains to travel through.

Diane: That sounds so fun!

Jack: Actually, it was quite small, but my parents basically let me use the whole house. Now that I think about it, they gave me a lot of freedom. I wonder whatever happened to all that train stuff. My parents probably gave it away or sold it years ago.

Diane: My parents gave away all my toys. They believed that it was important to give less fortunate children an opportunity to enjoy them. They even gave away my doll house that my grandmother made for me. I was sad to say goodbye to that one.

Jack: I understand. It can be difficult to part with those beloved childhood items. Well, anyway, let's get back to why we are here. What's your nephew interested in these days?

Diane: Well, he lives so far away, so I don't see him very much, but the last time I visited, he liked construction vehicles like dump trucks and bulldozers. But his mother tells me that recently he started watching this TV show about fighting robots that transform into vehicles.

Jack: Oh, I know that show! This is what you want right here. It can transform

II

次のお知らせを読み、下記の設問に答えよ。(配点 25)

Fashion Fitness Club Coming to Town

Fashion Fitness Co. is thrilled to announce that a new branch will be opening in Sunnydale in January of 2025. In April of 2024, we will begin construction on a brand-new three-story building at a convenient location right on Main Street near the Maple Drive intersection, directly across from the town library, and between Buster Burger and Pete's Pizza. Sunnydale residents can finally join the exclusive Fashion Fitness community and enjoy the many advantages that come with it.

Inside the Facility

Fashion Fitness clubs are open 24 hours a day, 7 days a week, but this is typical in the industry these days. What makes Fashion Fitness clubs better? For one thing, our stylish and clean facilities contain the most modern and varied equipment the fitness industry has to offer. At Fashion Fitness, we are continuously updating our well-maintained equipment. When you enter our doors, you'll feel like you've stepped into the future of fitness.

People You'll Meet

On top of our exceptional facilities, we employ the most qualified staff and personal trainers available. Trainers must hold a physical therapy certificate and must have a minimum of 5 years of experience in the field before we consider them for a position. When you join one of our wide variety of classes, work with a personal trainer, or even just ask a question of one of our staff, you can trust that they are highly qualified and will provide you with accurate information.

7

All of our branches contain a Fashion Fitness Pro Shop where members can get exclusive deals on the latest fitness fashions, including leggings, tank tops, sweatshirts, and more. Exercise is great, but we believe you should also look good while doing it! And only at the Sunnydale branch, the Pro Shop will feature a smoothie bar, open from 8 a.m. to 8 p.m., where members can order from a wide variety of options to keep them healthy and fueled for their workouts.

Special Grand Opening Offerings

We are accepting early membership applications now, and if you apply before December 1st of 2024, you can choose from among various special one-time deals,

including 1 month of free classes, 5 free sessions with a personal trainer, or 80% off any item in the Pro Shop. Don't hesitate to sign up as soon as possible because these amazing deals will disappear once our doors open.

(1) 下線部 “typical” の意味に最も近いものを次の中から1つ選び、その番号をマークせよ。

- ① unlikely ② rare ③ standard ④ impressive

(2) 本文の内容に合うように、次の1)～4)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) Which would make the most appropriate heading for ?

- ① **The “Fashion” in Fashion Fitness**
② **Giving Gifts to New Members**
③ **Personal Pro Trainers**
④ **Formal Wear for Any Occasion**

2) Which of the following is true about the early membership deals at the new Fashion Fitness branch?

- ① They are available to those who apply before the branch opens in January 2024.
② All applicants will receive 80% off any item in the Pro Shop.
③ One of the deals includes a month of free sessions with a personal trainer.
④ Early applicants can choose from among at least 3 special offers.

3) What must candidates do to obtain a position as a personal trainer at Fashion Fitness?

- ① Hold a personal training certificate
② Exhibit a strict sense of fashion
③ Complete a course on equipment maintenance
④ Have 5 years of relevant experience

4) Which of the following is NOT true about Fashion Fitness clubs?

- ① They maintain a modern selection of fitness machines.
② The club has various types of classes.
③ All branches contain a Fashion Fitness Pro Shop with a smoothie bar.
④ The club culture includes an emphasis on appearance.

Ⅲ 次の英文を読み、下記の設問に答えよ。(配点 25)

Companies are finding ways to reuse umbrellas or rent them out as an alarming amount of them has been thrown away. About 120 million to 130 million umbrellas, roughly the population of Japan, are purchased every year in the country, according to an estimate by the Japan Umbrella Promotion Association.

A survey conducted in May 2022 by Weathernews Inc., a meteorological information provider, showed that people in Japan possessed 4.2 umbrellas per person, on average. The survey showed that people tend to have more umbrellas in and around urbanized areas of the Kanto and Kansai regions. Separate statistics have shown that people walk fewer steps in the countryside than in urban areas, where they move around more often means of public transportation than in private cars.

Combined, the results show a typical scene of urban consumer : people caught in a sudden downpour are apt to buy a cheap umbrella at a convenience store. These realities provided the inspiration for umbrella-sharing services, which are expanding their operations mostly in urban areas.

I-Kasa, a provider of such services, has placed spare umbrellas at about 1,200 depots at train stations and other major facilities across 14 prefectures in Japan. “Kasa” means “umbrella” in Japanese. The umbrellas can be rented via a smartphone app for only 110 yen per 24 hours. The umbrellas have a return rate of 99.5 percent, the official said.

Different municipalities have different garbage separation policies when it comes to umbrellas. It is, at any rate, difficult to recycle umbrellas because they have metal frames. Ca Et La, a Tokyo-based umbrella manufacturer, has therefore come up with “+TIC” (Plus-tic), an umbrella made entirely of plastic. The product, being flexible, does not readily snap in a rainstorm. It also does not succumb to rust and can be discarded as plastic waste.

Meanwhile, fashion brands have created bags and other products upcycled from broken vinyl umbrellas. Fashion brand, Plasticity, has so far repurposed about 30,000 vinyl umbrellas, using them for tote bags and other products. The creator said, “Making bags alone does not eliminate wasted umbrellas, but I think things could change by using the power of those who sympathize with our products and concept.”

(Source: The Asahi Shimbun Asia & Japan Watch, Mar 26, 2023)

承諾番号 24-0734

「朝日新聞社に無断で転載することを禁じる」

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

① on ② by ③ at ④ in

① behave ② behaves ③ behaved ④ behavior

(2) 日本の傘市場を取り巻く状況について、本文に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。

① The Japanese umbrella market is worth over 1 billion yen annually.

② I-Kasa offers umbrellas for rent at a cost of 1,200 yen per month.

③ A fashion brand has created products from wasted vinyl umbrellas.

④ The Japanese government has implemented an extra tax on umbrella purchases.

(3) 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。

① 気象庁の調査によると、都市部に住んでいる人たちは、にわか雨の予報であれば、傘を家から持参せず外出先で購入する傾向にある。

② 傘をリサイクルするのにかかる費用は、新品の傘を製造する費用よりも安くつく。

③ 都市部に住んでいる人たちは、田舎に住んでいる人たちよりも所有している傘の本数が多い傾向にある。

④ I-Kasa は、傘の設置を全国のコンビニエンスストアから始めた。

⑤ Ca Et La は、プラスチック製の傘を作っている。

⑥ Plasticity は、トートバッグの売上高の一部を日本洋傘振興協議会に寄付している。

Ⅳ 東北地方の古墳発掘調査に関する次の英文を読み、下記の設問に答えよ。(配点 55)

A multiple-institute effort using computer graphics and DNA technology reproduced the assumed features of a woman who was likely a person of noble birth 1,600 years ago. Seven research institutes, including Tohoku University, worked with Yonezawa City's board of education to reproduce her whole body through such methods 16 DNA analysis and *forensic facial reconstruction.

“An image and a video of the re-created model show that ‘Himiko of Okitama’ had *droopy eyes, a flat nose, and straight black hair when she was alive, features that indicate she was a direct ancestor of modern people,” said the researchers. Her skin color and hair type were determined based on genetic data from her *skeletal remains, which were uncovered in 1982 from the Totsukayama burial mound group in Yonezawa's Asagawa district. About 200 graves are located around the foot of Mount Totsukayama in Yonezawa, which is part of the Okitama area.

Himiko's bones were found in a box-shaped stone coffin in the No. 137 Totsukayama grave, built from the latter half of the fifth century, 17 a long-tooth comb and a small knife. A Dokkyo Medical University study found that she was 143 to 145 centimeters (ア). She is estimated to have died at around 40 years old.

The (イ) project started after Tohoku Gakuin University excavated the Haizukayama burial mound site in Kitakata, in neighboring Fukushima Prefecture, in fiscal 2017. The bones of a man 18 50 or older were unearthed there. Nuclear DNA was sampled from the ancient woman's teeth for comparison with the man's remains. The study found that 96 to 97 percent of her genetic information was well preserved.

A professor of Japanese archaeology at Tohoku Gakuin University, who headed the project, said, “We obtained nearly all of her nuclear DNA, or humankind's blueprints. Such abundant information rarely remains in old human bones.” The National Museum of Nature and Science in Tokyo was commissioned to 19 her nuclear DNA.

The right side of the woman's skull had been lost, and the *nasal bone was not found. But the study could show how she likely clenched her teeth, providing a better understanding of her dietary habits and lifestyle. Her teeth were found worn down with apparent signs of *temporomandibular joint dysfunction. The conditions seemingly resulted from her chewing style and other habits, and her jaw was distorted slightly leftward. The “drooping eyes” conclusion was based on her skin's thickness.

The National Museum of Nature and Science's analysis showed that her hair was straight and black, her skin was brown or blackish brown, and her eyes were a color between black and brown. She was a descendant of the people who moved from the

Chinese continent during the Yayoi Pottery Culture Period (1000 B.C.-A.D. 250).

But some characteristics typical of people from the earlier Jomon Pottery Culture Period (about 14500 B.C.-1000 B.C.) were also identified in the woman's remains. An assistant professor of forensic medicine at Tohoku University's Graduate School of Dentistry said, "The Jomon people are said to have had *craggier faces and prominent noses, but her nose was flat. Relatively large eyes and single-fold eyelids were added to her reproduction."

A professor at Tohoku Gakuin University said that there is a possibility that Himiko and the man in what is now Fukushima Prefecture may have known each other. He said, "With the advanced radiocarbon (C14) dating technology, an analysis of the human remains from Haizukayama and Totsukayama revealed the two belonged to the same period. She resembles us, suggesting she is our direct ancestor," he continued. "The research outcome is extremely important, and we wanted to share it with local people through imaging in an easier-to-understand way."

注 *forensic 法医学の *droopy 垂れた *skeletal 骨格の *nasal 鼻の
*temporomandibular joint dysfunction 顎関節機能障害 *craggy 彫りの深い

(Source: The Asahi Shimbun Asia & Japan Watch, Nov 29, 2022)
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「朝日新聞社に無断で転載することを禁じる」

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

- | | | | | |
|---------------------------------|--------------|-----------|-------------|---------|
| <input type="text" value="16"/> | ① over | ② of | ③ as | ④ in |
| <input type="text" value="17"/> | ① along with | ② due to | ③ more than | ④ up to |
| <input type="text" value="18"/> | ① age | ② to age | ③ aged | ④ aging |
| <input type="text" value="19"/> | ① destroy | ② analyze | ③ ignore | ④ erase |

(2) 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。

(ア) — (イ)

- ① high — reproduction
- ② high — construction
- ③ tall — reproduction
- ④ tall — construction

(3) 下線部について、文脈を変えずに置きか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。

- ① She is believed to have died at a young age, well before she reached 40 years old.
- ② She did not actually die at 40 years old, but rather at a much older age.
- ③ It is impossible to estimate the age at which she died, but it was certain that she was younger than 40.
- ④ She is thought to have passed away around the age of 40.

(4) 復元された女性の特徴について、本文に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。

- ① まぶたは、両眼とも二重であった。
- ② 目の色は、黒と茶色の中間色であった。
- ③ 眉毛は濃く、直線的な形状であった。
- ④ 肌の色は、現代人と比べてかなり白かった。

(5) 本文に述べられてい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 The woman's teeth provided insight into her dietary habits and lifestyle.
- ② The bones of a woman were found in the Haizukayama burial mound site.
- ③ The Totsukayama grave contained various examples of pottery and jewelry from the era.
- ④ The results of the study were presented to the press by seven private universities.

(6) 本文の主題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。

- ① Digging up the skeletons of ancient women throughout Japan
- ② A project to recreate the facial features of a woman who died 1,600 years ago
- ③ The history and significance of the Totsukayama burial mounds in Yonezawa, Japan
- ④ The funeral customs of ancient Japanese societies

(7) 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。

- ① 人工知能を使って古代の女性の顔を復元するプロジェクトが行われた。
- ② 女性の歯から抽出された核 DNA には、遺伝子情報の96%から97%が保存されていた。
- ③ 核 DNA のデータは、古い人間の骨からも抽出しやすい。
- ④ 女性の頭蓋骨の右側が失われていたが、鼻骨の保存状態は良かった。
- ⑤ 女性の皮膚の厚さに基づき、垂れ目であったと結論付けられた。
- ⑥ 女性の髪の毛は、茶色であったと分析された。

V 次の英文を読み、下記の設問に答えよ。(配点 20)

Many people believe that they need to multitask in order to keep up with the demands of modern life. However, is it true that taking on multiple tasks at once will really increase productivity and efficiency?

Multitasking is not the best way to manage a busy workload. It can result in reduced productivity and lower-quality work. It is important to understand why multitasking is not the best solution and what you should do instead.

Many people think that multitasking means being able to do many tasks at the same time, such as listening to music while working on a report or talking on the phone while typing an email. However, this is a widely held misunderstanding. Multitasking refers to the process of switching between tasks quickly in an effort to complete them all in a (① time ② of ③ period ④ shorter ⑤ temporary)₁₎. According to a neuropsychologist, “When we think we’re multitasking, most often we aren’t really doing two things at once. Instead, we’re doing one action after another quickly, or task-switching.”

For instance, someone may be trying to complete a report while attending an online meeting and responding to emails. In this case, they may quickly switch between these tasks, (① one ② to take ③ for ④ working ⑤ on)₂₎ a few minutes, then switching to the next, then back to the first, and so on. While you are doing this, your brain must refocus each time, which can consume a lot of mental energy and time. This can lead to lower-quality work that takes more time to complete.

In fact, studies have shown that multitasking has a significantly negative impact on work quality and overall performance. If you would like to improve your work performance, it is good to prioritize your tasks and focus on one at a time (① you ② can ③ that ④ so ⑤ to)₃₎ avoid dividing your attention. If you decide which tasks should be done first before starting, you will be able to handle many tasks in a more relaxed way.

(1) 下線部 1) ~ 3) を文脈に合うように並べかえる際、不必要なものが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。

下線部 1)

27

下線部 2)

28

下線部 3)

29

(2) 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。

30

- ① Multitasking is the best way to avoid dividing their attention.
- ② A good way to improve productivity is to do many tasks at the same time.
- ③ Switching between tasks is much more efficient than completing tasks one by one.
- ④ Prioritizing tasks will allow people to calmly complete their work.