

2023年度 一般入学試験 前期日程(2月1日)

英 語

(試験時間 60分)

注 意 事 項

- 1 試験開始の合図があるまで、この問題冊子の中を見てはいけません。
- 2 この問題冊子は、27ページあります。
- 3 試験中に問題冊子の印刷不鮮明、ページの落丁・乱丁及び解答用紙の汚れ等に気付いた場合は、手を挙げて監督者に知らせなさい。
- 4 解答用紙には解答欄以外に次の記入欄があるので、それぞれ正しく記入し、マークしなさい。
 - ① 試験コード欄・座席番号欄
試験コード・座席番号(数字)を記入し、さらにその下のマーク欄にマークしなさい。正しくマークされていない場合は、採点できないことがあります。
 - ② 氏名欄
氏名・フリガナを記入しなさい。
- 5 解答は、解答用紙の解答欄にマークしなさい。例えば、

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と表示のある問いに対して③と解答する場合は、次の(例)のように解答番号10の解答欄の③にマークしなさい。

(例)

解答番号	解 答 欄									
10	①	②	●	④	⑤	⑥	⑦	⑧	⑨	⑩

- 6 問題冊子の余白等は適宜利用してよいが、どのページも切り離してはいけません。
- 7 試験終了後、問題冊子は持ち帰りなさい。

英 語

各大問の英文や図表を読み，解答番号 ～ にあてはまるものとして最も適当な選択肢を選びなさい。

第 1 問

A You belong to a college debate club and are looking for new members. The following is a list of four students who have contacted you.

 <p>Student A</p> <ul style="list-style-type: none">• Year of birth: 2002• Country of birth: Germany• Major subject: Art• Personal interests: Cooking, reading	 <p>Student B</p> <ul style="list-style-type: none">• Year of birth: 2000• Country of birth: Japan• Major subject: Computer science• Personal interests: Fishing, climbing
 <p>Student C</p> <ul style="list-style-type: none">• Year of birth: 1999• Country of birth: Singapore• Major subject: Psychology• Personal interests: Camping, jogging	 <p>Student D</p> <ul style="list-style-type: none">• Year of birth: 2001• Country of birth: Thailand• Major subject: Business• Personal interests: Video gaming, programming

問 1 is the youngest student from Asia on the list.

- ① Student A
- ② Student B
- ③ Student C
- ④ Student D

問 2 Both Student B and Student C .

- ① like outdoor activities
- ② live with their parents
- ③ major in computer science
- ④ were born in the 1990s

B You subscribe to the magazine “Monthly Food and Health” and found the following announcement in the latest issue.

Monthly Food and Health presents
VEGETARIAN RECIPE CONTEST

Send in your original recipe for a vegetarian dish and win a cash prize!

Gold Prize
\$1,000

Silver Prize
\$500

Bronze Prize
\$200

Submission Deadline: July 5

How to Participate

- Step 1: Visit <https://foodandhealth.com/recipe-contest> to register.
- Step 2: Go to “Submit Recipe” page.
- Step 3: Enter each field under Recipe Name, Ingredients and Directions.
- Step 4: Attach a picture of your finished recipe.
- Step 5: Click on “Submit.”

Contest Guidelines

- Do not submit a recipe that contains animal meat.
- Do not submit a recipe that uses 10 or more ingredients.
- Do not submit a recipe that was published in print or online before.
- Do not submit a recipe more than once per day during the contest period.

Contest Schedule

July 24	10 finalists meet at the head office of Food and Health Publishing, Inc. to demonstrate their recipes. Judges observe and taste their dishes to determine the top 3 recipes.
July 31	Winners are announced on the official website of Monthly Food and Health.

問 1 When entering the contest, you need to .

- ① pay a registration fee of \$200
- ② send a recipe by the end of June
- ③ submit an online form with a photo
- ④ subscribe to Monthly Food and Health

問 2 According to the **Contest Guidelines**, you .

- ① can imitate someone else's recipe
- ② can submit a recipe multiple times a day
- ③ must meet vegetarian dietary needs
- ④ must use as many ingredients as you can

問 3 If you become one of the finalists, you'll .

- ① be dressed in white or black to look like a chef
- ② compete with other finalists at the publisher's office
- ③ demonstrate how to wash the dishes after cooking
- ④ sample the dishes of other finalists

第 2 問

- A *You are a college student and participant in a study-abroad program in the US. You've found the following information in the school's orientation materials.*

Springfield City College Counseling Office

The mission of the Counseling Office is to help students identify and solve problems, increase self-understanding, and accomplish personal goals. Specially trained professional counselors will treat students with dignity and respect.

1. The Counseling Office provides the following services:
 - group counseling
 - individual counseling
 - workshops and seminars
2. When you meet with a counselor at the Counseling Office for the first time, you will be asked to complete basic information sheets. After conducting an initial assessment, a counselor will determine the best treatment for you, including group counseling or individual counseling.
3. All of our services are confidential. Any information obtained during counseling sessions is kept strictly confidential. Your counseling record, or any other personal information, is not released to anyone outside the college without your written permission.
4. All of our services are free. No fees are charged for any assistance provided by the Counseling Office.
5. The office hours of the Counseling Office are 9 am – 5 pm, Mon – Fri. If you are in urgent need of counseling services outside of the office hours or on the weekends, you can reach one of our counselors on the phone. For more information on our emergency service, click [here](#).

Student Voice

- *I highly recommend the Counseling Office to all the students. During the first semester here, I had trouble dealing with many assignments and papers. I was stressed and anxious all the time and then started meeting with Helen, the chief counselor, once a week. Thanks to her support, I regained confidence in myself and earned better grades in the second semester.*
- *I regularly met with Helen and Bruce at the Counseling Office in 2019. I had some family issues then and didn't feel like studying at all. After learning how to motivate myself, I worked harder and successfully completed some big projects. If you ever visit the Counseling Office, make sure you go to Building #5. It used to be in Building #3 but moved to Room 602 in Building #5 last summer.*

問 1 Which two things do you need to do when you meet with a counselor at the Counseling Office for the first time?

- A : Fill out some basic information
- B : Go through an initial assessment
- C : Join a workshop
- D : Pay a fee for the first session
- E : Receive medical treatment

- ① A and B
- ② A and C
- ③ B and E
- ④ C and D
- ⑤ D and E

問 2 From the information above, you learned that your personal information is .

- ① deleted after each counseling session
- ② kept secret by the Counseling Office
- ③ released without your written permission
- ④ shared with your family if required

問 3 From the information above, you learned that in case of an emergency outside of the office hours or on the weekends.

- ① a counselor's help is readily available via phone
- ② there is nothing the Counseling Office can do
- ③ you have to call the school's security staff
- ④ you have to wait for a call from a counselor

問 4 One fact stated by a student is that .

- ① the Counseling Office hired a new staff member in 2019
- ② the Counseling Office is in charge of workshops and seminars
- ③ the Counseling Office is open from 3 pm to 5 pm on weekdays
- ④ the Counseling Office moved to another building last year

問 5 One positive change that both students experienced after counseling sessions was .

- ① a better memory of past semesters
- ② a better relationship with their friends
- ③ an improvement in their academic performance
- ④ an improvement in their physical health

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英語の試験問題は次に続く。

B *You are reading the following article in your school newspaper. The article was written by your classmate Brandon, an exchange student from Canada.*

15

I'm thinking about upgrading to a new smart phone, so I've been researching cellular network coverage.

The fifth-generation cellular network (5G) is expanding its coverage, especially in East Asia. According to an estimate, South Korea will be far ahead of other countries and its market share of 5G connections will reach 66% by 2025. Japan's is projected to have 49% coverage in the same year, almost tied with the US. The US is one of the leading countries where exactly half of its total connections will be via 5G networks.

According to IT experts, some of the advantages of the 5G network are as follows:

- **Faster Speed and Increased Capacity:** 5G offers 100 times faster and delivers 1000 times more capacity compared to the older system, 4G. It allows users to download a movie in just a few seconds.
- **Greater Number of Connected Devices:** With 5G, thousands of devices within a small area can connect to the network at the same time to send and receive information in real time.

On the other hand, there are some disadvantages that users should keep in mind. For one, 5G coverage is still limited to urban areas, even in the countries listed above. Secondly, 5G puts pressure on the battery of a mobile device and is likely to shorten its lifespan. Also, the more devices that are connected to the network, the greater the chances are that they will be attacked by hackers who can easily find a weak point.

I'm curious about 5G's advanced features and hope to buy a 5G-compatible smartphone soon. So, I'm a little surprised—and disappointed—to see the projection because, even in the US, 5G connections will account for just 50%, which is much lower than I expected. Also, my home country Canada doesn't even appear on the list—it will probably still be far behind the top countries in 2025.

問 1 According to the second paragraph of Brandon's article, which of the following shows the countries' ranking **from highest to lowest**?

11

- ① Japan — South Korea — the US
- ② Japan — the US — South Korea
- ③ South Korea — Japan — the US
- ④ South Korea — the US — Japan
- ⑤ the US — Japan — South Korea
- ⑥ the US — South Korea — Japan

問 2 Which of the following statements best reflects an advantage listed in the third paragraph?

12

- ① 'A very large number of devices can access the internet simultaneously.'
- ② 'I can move around and see things from various angles in the virtual world.'
- ③ 'I don't mind waiting for a few minutes until I finish downloading a movie.'
- ④ 'The smartphone and PC that I use now can detect both 4G and 5G network.'

問 3 Which of the following is **not** mentioned as a disadvantage of 5G networks?

13

- ① An extra monthly fee
- ② Damage to the battery
- ③ Higher risk of cyber attacks
- ④ Limited coverage

問 4 Which best summarizes Brandon's opinions about 5G networks?

14

- ① Canada will be at the top of the list by 2025.
- ② Many users are satisfied with 4G and will never switch to 5G.
- ③ The expansion of 5G coverage will accelerate after 2025.
- ④ The limited and uneven availability of 5G is disappointing.

問 5 Which is the most suitable title for the article?

15

- ① 5G—A Promising Technology Being Adopted Faster in Some Countries
- ② 5G—A Technology Adopted by Asian Countries
- ③ 5G—A Technology Spreading around the World by 2023
- ④ 5G—An Outdated Technology with Many Problems to Solve

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英語の試験問題は次に続く。

第3問

You are reading a social media post from a school PE teacher about a soccer coaching event.

Following the success of women's soccer and the huge popularity of the game generally, more and more girls are taking up the sport. They look to emulate their role models who are winning soccer tournaments on the world stage. I work at a girls' school that has a very good soccer team. I have put a lot of work into improving the team with the other PE teachers.

To learn more and develop myself as a soccer coach, I recently started working as an instructor on other soccer coaching programs for girls. The last one I did was a residential course which took place at Andersfield Women's University in the north of England. It took place over a week during the summer holidays and offered full board for 80 girls aged between 12 and 16.

After the first day of orientation and 5-a-side* sessions, there were three days of fundamental skills sessions which covered all aspects of the game. After that, the students were formed into teams, the names of which they were free to choose, and they competed in an 11-a-side tournament. It was a fantastic success and I feel like I learned a lot from the experience. This was mostly because I could exchange information with all the other coaches and meet girls who were really determined and had a high level of ability. I will definitely sign up for next year's program.

*5-a-side : 5人制の。

Andersfield Intensive Soccer Course for Girls, August 2022							
	Mon 1 st	Tues 2 nd	Wed 3 rd	Thurs 4 th	Fri 5 th	Sat 6 th	Sun 7 th
Breakfast (7:30 am)							
8:30 – 12:00	Arrival/ Orientation	Coaching Session 1: Passing	Coaching Session 3: Tactics	Coaching Session 5: Set Plays	Team Organizing	11-a-side Soccer Tournament	11-a-side Tournament Grand Final
Lunch (12:30 pm)							
1:30 – 5:30	5-a-side matches (Gym)	Coaching Session 2: Shooting	Coaching Session 4: Positions	Coaching Session 6: Advanced Tactics	Team Training	11-a-side Soccer Tournament	Awards Ceremony Farewell Party
Dinner (6:00 pm)							
Free Time/Bed time 11:00 pm							

問 1 From this post, you learn that .

- ① the course ended with a tournament between teams of five players each
- ② the course was for girls who could stay on a university campus for a week
- ③ the students were not allowed to choose the names of their teams
- ④ there were seven coaching sessions that covered a range of skills

問 2 The writer .

- ① feels satisfied because she has learned a lot by participating in the course
- ② regrets her decision to attend the course and she won't return
- ③ thinks that women's soccer is more popular than the men's game
- ④ thought the course was fantastic but the university was too far away

第 4 問

You enjoy traveling and have found an interesting article about a traveler's experience in Borneo.

Rainforest Tour in Borneo

One of the best vacation experiences I have ever had was in Borneo, on a tour through the natural rainforest that covers much of the island. Borneo is actually the third biggest island in the world. The northern part belongs to Malaysia, and it was this area—the region of Sabah—that served as my base during my one-week stay. The area is especially rich in biodiversity because of its location, its climate and the fact that the rainforest itself is 140 million years old. My tour was luxurious and relaxing, but it was also very exciting because after an initial two-night stay in a seafront hotel where we had Malaysian food and did watersports, the vacation took the form of a five-day jungle adventure.

On the first day of our five-day adventure, we took a speedboat to a rainforest lodge, a kind of hotel situated among the trees. The next day, we went trekking through the rainforest and swampland that surround the beautiful Kinabatangan River, the longest river on Borneo, which snakes through the island's Northern provinces. During this trek, we spotted rare, endangered animals, such as the orangutan, the orange-colored ape for which the area is famous, and the pygmy elephant. We then moved to another lodge by jeep. Here we could enjoy kayaking before another trek the next day, which took us to higher ground. In the cooler mountain air, we witnessed magnificent views as we walked across a rope bridge over a deep valley. This was scary, but perhaps the Gomantong caves were scarier. The large caves in the mountainside are home to thousands of bats. At nightfall, after exploring the caves, we watched them swarm out, like in some kind of horror movie.

On the final day, we traveled back to the hotel by jeep and boarded the speedboat again. Back near the hotel, there was a festival taking place. We could speak to other eco-tourists who shared their experiences of Borneo. Some were studying the unique birds there, while another group were mountaineers who had been to the 4,000-meter summit of Mount Kinabalu. We all enjoyed the music and got to try playing local drums and a mouth organ called sompoton before preparing for the flight back. It was a truly amazing experience, and I hope to return for a longer time one day. One week just wasn't enough.

問 1 Choose **four** out of the six events (①~⑥) in the order they happened.

→ → →

- ① Bat watching
- ② Kayaking
- ③ River trekking
- ④ Snow trekking
- ⑤ Speed skating
- ⑥ Watersports

問 2 The Borneo rainforest is impressive for .

- ① its age and the variety of animals and plants
- ② its lakes and watersports
- ③ its scariness and cool weather
- ④ the height and luxury of its hotels

問 3 The writer concludes that .

- ① she needs to go back and stay for a longer period
- ② she would like to climb Mount Kinabalu next time
- ③ the eco-tourists need to stop going one day
- ④ the threatened wildlife needs to be saved

第 5 問

You are creating a script for a story that you will be reading to young children visiting a local community center. You have just written the first page of your draft based on your idea notes about the characters in the story.

It was 8:35 on a hot summer morning. The sun was peeking through the bedroom curtains. It was a perfectly peaceful morning, until Oliver looked over and saw the clock. It read 8:35—he was supposed to be in class by 9. Oliver rubbed his eyes, but the clock’s hands remained pointing in the same two directions.

Barely having time to process his unlucky fate, Oliver jumped out of his pajamas into a random t-shirt and jeans that he picked up off the floor, and chucked his laptop and textbooks into his bag as he hastily left his room. Oliver couldn’t afford to miss this class in college; he needed the credits and his professor was known to be strict about tardiness.

Without having time to have his usual toast and cereal, Oliver wedged his feet into his old sneakers and sprinted to the bus stop. If he missed the bus leaving in five minutes, he wouldn’t make it to class on time. After all, there was only one bus leaving each hour in this small town.

Oliver finally reached the bus stop, but there was no bus in sight. Out of breath, he looked down at his watch. It read 9:30. He froze for a second before coming to the realization that the clock in his room must have stopped, and it was indeed 9:30, not 8:40.

Oliver also recalled that he had stayed up late last night video chatting with his friend George about his research report and was tired from lack of sleep. Letting out a big sigh, he accepted his fate and decided to head back to his house. Head hanging low with defeat, Oliver walked as he heard an unfamiliar sound coming from the nearby bushes. It was a high-pitched sound, almost like a squeak. It didn’t take him long to realize that it was a tiny kitten crying out for help. The kitten looked very weak and appeared to have an injured leg. Oliver didn’t know what to do, but he knew it wasn’t to leave this helpless creature in the hot summer sun.

Oliver gently took the kitten into his arms and brought it home. He poured some milk into a bowl, glad that he hadn’t finished up what was left of the carton, which he probably would’ve if he’d had breakfast that morning. Looking into the pair of small blue eyes, Oliver couldn’t help but think that maybe everything does happen for a reason. If he had not missed the bus today, he might not have been able to save this little life. Worried about what his professor would say about his missed classes, he decided to spend the rest of the day nursing his new friend back to health. It also brought back memories of a dog Oliver had when he lived with his parents, whose fur color resembled that of the kitten. The next day, Oliver adopted the cat and they spent many happy years together.

Your notes:

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○

24

○

Main Figures

○

• Oliver — a college student

○

• The kitten — rescued by 25

○

○

Minor Figures

○

• George — Oliver's friend

○

• 26 — considered strict about having his students attend class on time

○

Storyline

○

○

27 .

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28 .

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29 .

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30 .

○

↓ Oliver decided to spend the day taking care of the kitten.

○

A Key Point

○

— 31 .

○

問 1 Which is the best title for in this story?

- ① Beginning a New Life with a Cat
- ② How Milk Benefits Your Health
- ③ How to Have a Lot of Friends
- ④ The Boy Who Abandoned His Kitten

問 2 Choose the best options for and .

- ① George
- ② Oliver
- ③ Oliver's dog
- ④ Oliver's parents
- ⑤ Oliver's professor

問 3 Choose **four** out of the five events (①~⑤) in the order they happened to complete Storyline.

→ → →

- ① Oliver drank all the milk when he ate cereal for breakfast
- ② Oliver found a kitten in the bushes and took it home with him
- ③ Oliver got ready for school in a hurry and rushed to the bus stop
- ④ Oliver realized that the clock in his room had stopped
- ⑤ Oliver spent a late night with a friend discussing their research

問 4 Choose the best option for

31

 .

- ① Oliver found a cat with blue eyes that looked exactly like the dog he once lived with
- ② Oliver found an injured cat being attacked by a strange creature on his way home
- ③ Oliver missed class due to his mistake but was able to save the kitten
- ④ Oliver missed the bus because he had to take the kitten to a shelter

第 6 問

You and your classmates are preparing for a group presentation in English class. You are thinking of making a poster based on the following article.

Rapid Shift from Gasoline Cars to Environmentally Friendly Vehicles

The European Union (EU) has recently announced an effective ban on the sales of new CO₂-emitting cars from 2035, aiming to “decarbonize” the European transport sector and help achieve carbon neutrality by 2050. As many other countries plan to phase out conventional gasoline-fueled cars within the next few decades, automakers are urged to reconsider their traditional business models and shift their focus to cleaner alternatives. Concerned about climate change and encouraged by financial incentives, a growing number of car users, especially those in Europe and China, are switching to low-emission or zero-emission vehicles these days.

Plug-in hybrid electric vehicles (PHEVs), which are equipped with both an electric motor and a gasoline engine, are one of these alternatives to gasoline cars. PHEV users “plug in” at home or at a charging station to recharge the battery pack using electricity from an external source. Compared to regular hybrid vehicles, PHEVs can store a greater amount of electricity and go a longer distance in all-electric mode. After the stored electricity runs out, the gasoline engine serves as a backup and powers the vehicle. Despite their environmental benefits, PHEVs don’t meet the strict zero-emission standard adopted by the EU because they produce CO₂ emissions while running on gasoline.

On the other hand, **battery electric vehicles (BEVs)** are classified as zero-emission vehicles because they are powered exclusively by an electric motor and don’t release heat-trapping gases while running. Once the battery pack is fully charged, the latest models of BEVs can go a fairly long distance and meet the day-to-day requirements of average users. Also, their prices are going down significantly and charging station networks are expanding rapidly. Due to these improvements, BEVs are gaining wide acceptance as the future standard in the EU, China and the US.

Another type of zero-emission vehicles is **fuel cell electric vehicles (FCEVs)**, which utilize hydrogen gas for fuel. Hydrogen is mixed with oxygen in the fuel cell to generate electricity, which powers the electric motor and turns the wheels. FCEV is a promising technology, but there are some challenges to overcome. Most notably, it depends on the complicated process of producing, storing, transporting and distributing hydrogen, which leads to the high cost of hydrogen fuel and the scarcity of refilling stations. As FCEV is still a developing technology that requires more research and investment, it remains to be seen whether or not FCEVs will become a feasible option for the majority of car users.

The ongoing shift from gasoline cars to BEVs and other alternatives is a step in the right direction, but there are other sources of CO₂ emissions that need to be addressed. For one, in some countries including Japan, part of the electricity used by PHEVs or BEVs is sourced from coal-fueled thermal power plants, which are one of the largest contributors to global warming. In addition, the amount of CO₂ emitted during the process of manufacturing these vehicles and their batteries cannot be ignored.

In order to achieve the ambitious climate goals by 2050, a transition to environmentally friendly vehicles alone will not be sufficient, but a broad package of measures needs to be taken, especially by the major CO₂-emitting countries. They should phase out coal-burning power plants and accelerate their shift to renewable energy sources such as solar or wind energy. Also, carbon-capturing facilities should be introduced to more locations to minimize emissions produced at power plants and manufacturing plants. On an individual level, we have to be aware that every aspect of our daily lives, such as our commute, diet, and shopping, can be more environmentally friendly than they are now.

Your presentation poster draft:

De-carbonization in the Automobile Industry			
● Alternatives to Gasoline-Fueled Cars			
Type of Car	Powered by	CO ₂ Emissions	Major Issue
PHEV	<ul style="list-style-type: none"> • Electric motor with battery pack • Gasoline engine 	Produced (when vehicles run on gasoline)	The vehicles emit CO ₂ and do not meet the strict environmental standard.
BEV	<ul style="list-style-type: none"> • Electric motor with battery pack 	None (while vehicles are running)	33 .
FCEV	<ul style="list-style-type: none"> • Electric motor with fuel cell 	None (while vehicles are running)	34 .

● Conclusion
 What should be done to achieve ambitious climate goals by 2050?
 : 35 .

問1 Which of the following is closest in meaning to the word “de-carbonization” included in the title of your poster?

- ① Increase the sales of new CO₂-emitting cars
- ② Reduce dependency on fossil fuels such as gasoline
- ③ Reduce the use of cars as much as possible
- ④ Use lots of carbon-containing materials

問2 Choose the best options for and to complete the table.

- ① Air and noise pollution occur in urban areas where traffic is busy and slow
- ② Battery packs become weak over time and need to be replaced regularly
- ③ CO₂ can be emitted in the process of power generation and manufacturing
- ④ The vehicles and infrastructure are still in the early stages of development
- ⑤ The vehicles are not suitable for daily use due to their short driving range

問 3 According to the article, which of the following is most appropriate for ?

- ① A quick transition to zero-emission vehicles should be combined with other efforts to reduce CO₂ emissions
- ② Airplanes should be decarbonized first because they produce more emissions than any other mode of transportation
- ③ FCEVs should be recommended in developing countries where power supply is unstable and BEVs are not useful
- ④ Solar and wind power plants should be phased out and more coal-burning power plants built instead

問 4 According to the article, which two of the following are true? (The order doesn't matter.) ·

- ① Automobile manufacturers are revising their strategies in the face of drastic changes.
- ② Car makers have successfully overcome challenges and made FCEVs more accessible.
- ③ Many average car users in the EU, China and the US prefer PHEVs to BEVs or FCEVs.
- ④ PHEVs are mainly powered by a gasoline engine, which is assisted by an electric motor.
- ⑤ The adoption of environmentally friendly vehicles doesn't necessarily reduce total CO₂ emissions.