

2024年度 一般入学試験 前期日程(1月30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、

10

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

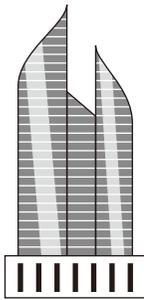
- 6 問題冊子の余白等は適宜利用してよいが、どのページも切り離してはいけません。
- 7 試験終了後、問題冊子は持ち帰りなさい。

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've heard about some famous skyscrapers in Asian countries, such as those which appear in the following chart.*

Tallest Buildings in Asia (extract)	
<p style="text-align: center;">ABC Tower</p>  <p>City: Kuala Lumpur Country: Malaysia Height: 683 m Number of floors: 120 (above ground) Year of construction: 2018</p>	<p style="text-align: center;">DEF Finance Center</p>  <p>City: Shanghai Country: China Height: 605 m Number of floors: 113 (above ground) Year of construction: 2021</p>
<p style="text-align: center;">GHI Landmark 21</p>  <p>City: Hong Kong Country: China Height: 576 m Number of floors: 107 (above ground) Year of construction: 2022</p>	<p style="text-align: center;">JKL International Plaza</p>  <p>City: Beijing Country: China Height: 530 m Number of floors: 95 (above ground) Year of construction: 2015</p>

問 1 According to the chart, is the tallest building in China.

- ① ABC Tower
- ② DEF Finance Center
- ③ GHI Landmark 21
- ④ JKL International Plaza

問 2 Both ABC Tower and JKL International Plaza .

- ① are higher than 600 m
- ② are office and residential buildings
- ③ have more than 100 floors
- ④ were built before 2020

B *Your family has recently moved to a new house. You're looking at the website of an online DIY store to see if they have something you need.*

FLEXI EXPANDABLE HOSE PRO

Easy to handle, compact to store, and lightweight to carry!

FLEXI EXPANDABLE HOSE PRO is exactly what you need for gardening and car washing.

Item #	Product Name	Price
7860	FLEXI EXPANDABLE HOSE PRO Short (30 ft)	£15
7861	FLEXI EXPANDABLE HOSE PRO Long (70 ft)	£30
	Option A: hose hanger	£5
	Option B: 3-way spray head	£8

Special Features:

- Expands with water, shrinks without water
- Never twists, tangles, freezes, or cracks
- Works fine with low water pressure

Customer Review

I bought this hose in 2021 to water the plants in my backyard. It looks short at first, but once I turn on the water, it starts expanding quickly. With the 70-foot-long hose, I can easily reach the far side of my backyard. I can still use the hose, but I have some problems. For example, there is a small hole near the metal part at one end, and water keeps leaking through the hole. Also, the metal part has become loose and can't be fixed. I'm afraid the hose doesn't last so long. I may not buy the same one next time.

(Shannon)

問 1 You plan to buy a short hose for car washing and a longer one for gardening. You'll also buy the 3-way spray head listed as an option. How much will you pay in total?

- ① £45
- ② £50
- ③ £53
- ④ £58

問 2 Based on the store's website, which of the following is true about this product?

- ① The hose freezes and cracks in winter.
- ② The hose gets bigger when it is in use.
- ③ The hose needs drying after a long use.
- ④ The hose requires high water pressure.

問 3 According to the Customer Review, Shannon .

- ① is not quite satisfied with the quality of the hose
- ② is pleased with the customer service of the DIY store
- ③ likes the hose so much that she will buy another one
- ④ recommends the hose to professional gardeners

第 2 問

A While browsing a website, you've found the following information about a public skate park in your neighborhood.

Evergreen City Skate Park

Open daily from 9 a.m. to sunset

ENTRANCE FEES

- Residents of Evergreen City: \$3 /day/person
- Non-residents of Evergreen City: \$6 /day/person

All fees are payable at the management office.

PARK RULES

1. Skateboards and inline skates ONLY. No bicycles allowed in the skating area.
2. Children aged 8 and under must be accompanied by an adult.
3. Helmets are required at all times. Knee pads, elbow pads and wrist guards are strongly recommended.
4. Food and drink are not permitted in the skating area.
5. Do not place stickers on any surface in the park.

WARNING

1. Skateboarding and inline skating are risky recreational activities that may result in serious injury.
2. The Park is not supervised. Skate at your own risk. Know your abilities.

User Reviews

- *I come to this park with my seven-year-old son almost every weekend. He started practicing skateboarding last year and usually skates in Area A, which is a large flat area for children and beginners. He sometimes practices on the slopes in Area B and hopes he can skate in Area C someday to learn some acrobatic skills. If you live in Evergreen City, you can spend a whole day in this park for only \$3!* (Shawn)
- *I belong to a local skateboarding club and practice here with other members. They say the best part of this park is the deep bowl in Area C, which looks like a big crater on the moon. The long staircases with handrails and narrow benches in Area D are challenging even for experienced riders like us. A competition is held in the park every three or four months, and I won 1st place in the women's division last summer.* (Ashley)

問 1 Which two things are you **not** allowed to do at the skate park?

6

- A : Supervise children
- B : Put stickers on your board
- C : Wear protective clothing
- D : Ride a bicycle
- E : Ride without a helmet

- 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 under ENTRANCE FEES, you learn that

7

- ① an entrance fee of \$5 is applied to all users of the park
- ② entrance fees are payable either in cash or by credit card
- ③ residents of Evergreen City are allowed to enter the park for free
- ④ the entrance fee varies depending on where you live

問 3 According to the PARK RULES and WARNING, you should 8 .

- ① be accompanied by an adult who can supervise the park
- ② bring your own helmet if you don't know your abilities
- ③ try hazardous recreational activities outside the skating area
- ④ wear protective gear to reduce the risk of injury

問 4 One **fact** stated by a user is that 9 .

- ① a competition is held in the park a few times a year
- ② children aged 8 and under must be accompanied by an adult
- ③ the best part of this park is the deep bowl in Area D
- ④ the park is open daily from 9 a.m. to sunset

問 5 One feature of the park that both Shawn and Ashley mention is 10 .

- ① the uniquely designed areas
- ② professional skaters' demonstration of acrobatic moves
- ③ the clubhouse owned by a skateboarding club
- ④ weekly skateboarding workshops for children

(下書き用紙)

英語の試験問題は次に続く。

B *You are reading the following article in your school's newsletter. The article was written by your classmate Anthony, an exchange student from Australia.*

15

According to a recent survey, 24% of respondents in India bought a gym membership in the past 12 months, and the percentage is higher than that of any other country surveyed. The survey showed that the percentage of gym membership in China is 20%, which is only 1% lower than that of South Africa.

Both of my parents in Australia are members of a nearby gym. They told me about the benefits of going to the gym, including the following:

- **Access to quality equipment and facilities:** In addition to weight machines and free weights, treadmills, tanning beds and other equipment are available. You can expect a swimming pool and a jet bath as well.
- **Interaction with staff and other members:** You can work out with other members who are conscious of their health and committed to regular exercise. Also, experienced trainers or instructors are there to help you.

On the other hand, there are some factors that may discourage you from joining a gym. Firstly, you may be too busy to go to a gym. A long trip to and from a gym is something you want to avoid when your schedule is already tight. Secondly, it may cost more than you think. In addition to a membership fee, you need to pay monthly or annual fees. Some additional fees may be charged depending on the course you select. Also, you may find it inconvenient or stressful to share equipment with many other members in a crowded gym.

I'm not a competitive athlete, so I don't really need to lift heavy weights or use advanced machines — basic training in my room is enough for me. I also run on the trail in a nearby park, which is much more refreshing than running inside a gym. In addition, I can watch online videos in which professional trainers demonstrate how to exercise at home. I think I can stay in good shape without going to the gym.

問 1 According to the first paragraph of Anthony's article, which of the following shows the countries' ranking **from highest to lowest**? 11

- ① China — India — South Africa
- ② China — South Africa — India
- ③ India — China — South Africa
- ④ India — South Africa — China
- ⑤ South Africa — China — India
- ⑥ South Africa — India — China

問 2 Which of the following statements best reflects one of the benefits of going to the gym listed in the second paragraph? 12

- ① 'Members can ask fitness experts for advice and exercise with like-minded people.'
- ② 'It's the best way to gain muscle, lose weight and boost self-confidence.'
- ③ 'Moderate exercise at a gym helps elderly people live healthy and long.'
- ④ 'Members can take a class and try something new such as yoga and boxing.'

問 3 Which of the following is **not** mentioned as a factor that may discourage you from joining a gym? 13

- ① A communal environment
- ② A schedule conflict
- ③ A financial burden
- ④ A higher risk of infection

問 4 Which of the following best summarizes Anthony's opinion expressed in the last paragraph? 14

- ① There are some reasonable alternatives to working out at a gym.
- ② There are so many distractions at home that it's hard to focus on training.
- ③ You should push yourself to the limit to become a competitive athlete.
- ④ You should wear durable shoes when you run a long distance outdoors.

問 5 Which of the following is the most suitable title for the article? 15

- ① Going to the Gym—a Popular Activity Among Elite Business Leaders
- ② Going to the Gym—a Waste of Time and Money that You Should Avoid
- ③ What You Need to Do Before and After a Workout to Prevent Injury
- ④ What You Need to Know Before You Decide to Buy a Gym Membership

(下書き用紙)

英語の試験問題は次に続く。

第3問

You are planning your first post-pandemic trip abroad, and are considering flying in luxury with an upgraded ticket, but you're not sure if it's worth it. You have found the following post on a frequent traveler's blog.

Hi, my name is James and I'm a frequent flier. I constantly get asked if luxury airline seats are worth the extra cost. There are two factors to consider: first budget, then luxury. Let's use a 9-hour flight from London to Washington on SkyBlue Airways as an example.

SkyBlue Economy seats are the cheapest, at just \$876 each. These 77 seats are crowded and uncomfortable, but also the best on a budget. The next section is Premium Economy. These 32 seats require a large jump in cost to \$2633, but offer only a small jump in luxury. Personally, I don't think that these seats justify the cost.

Now we get into the real luxury: at \$8715, the 10 First Class seats are 10 times the price of the Economy seats. You get a full-sized bed, but I've always wondered why people would pay these prices just to sleep. Business Class is slightly cheaper. These 24 seats cost \$6723 and are the perfect option when luxury is more of a priority than budget.

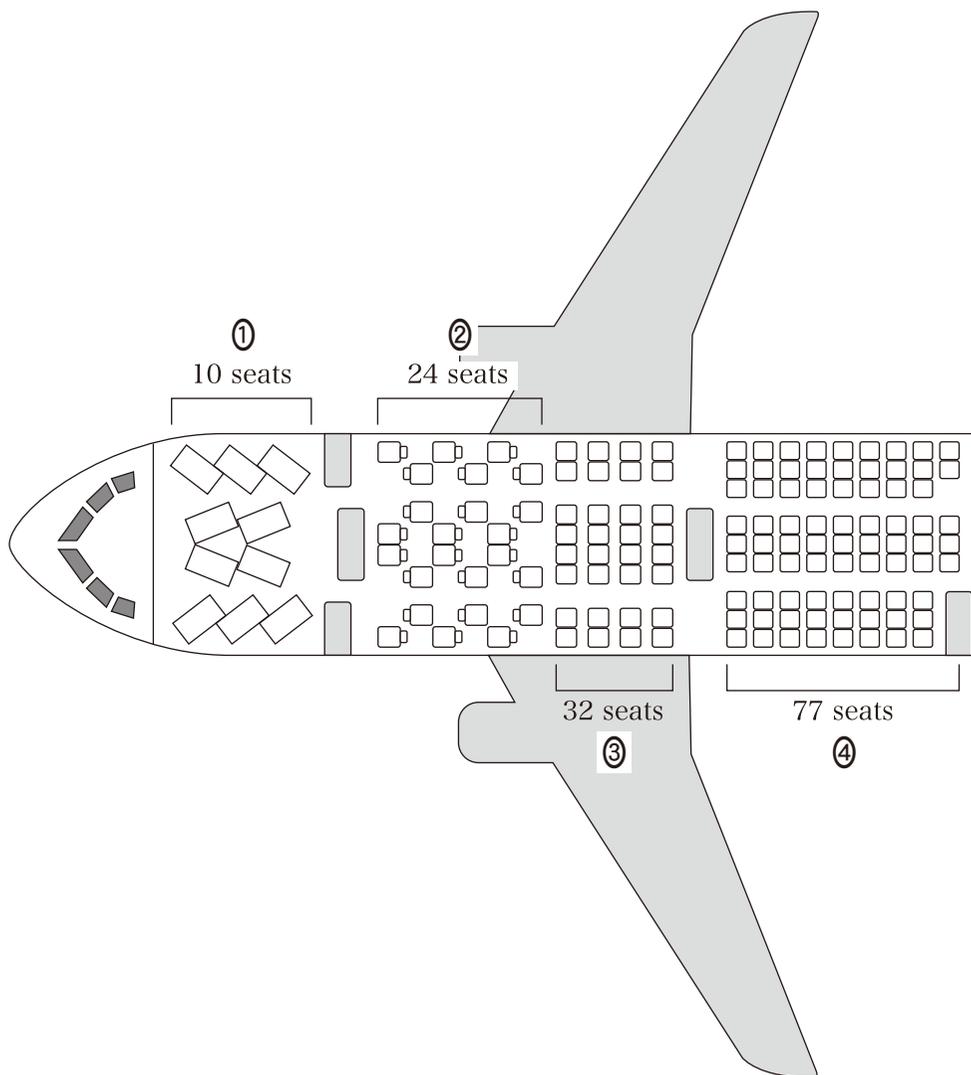
So, as always, your budget is the biggest factor in your seating. If you'd rather save your money like me, then keep it cheap and go with Economy. However, if you prefer to fly in luxury, please consider the various other options.

問1 According to James, what is the most important factor in choosing your seat?

16

- ① How spacious the seating is.
- ② The luxury offered with the seat.
- ③ The safety of the seating.
- ④ Whether it matches your budget.

問2 James often takes the cheapest seat to save money, but when he wants to prioritize luxury over money, which of the following areas of a plane is he most likely to choose? 17



第4問

You are a college student reading an article written by Louise, your classmate who studies sport history.

In 2002, something incredible happened in the game of baseball. The Oakland Athletics were an underdog^{*1} team that went on to set the world record for the number of consecutive wins^{*2} in a single season. They did it, not with extreme training, but with math and statistics.

The story begins with the Oakland Athletics facing a tight budget and losing star players to wealthier teams. The general manager, Billy Beane, and Ivy League economist, Peter Brand, came up with a new way to build a team. The first thing they did was throw out traditional ways of assessing players which relied on human judgment and tended to be biased.

The second step involved Brand quantifying each player's performance. Quantifying means giving something a numerical value. Brand assigned each player a series of number scores based on their ability in different categories. While traditional statistics focused on things like how many times a player hit the ball, Brand and Beane focused on how many times these hits turned into runs, and how many runs these players got for their team. They did this to find team players, rather than individual successes.

The third step involved recruiting a team of players that balanced out each other's strengths and weaknesses. New recruits for the Oakland Athletics included players considered to be too old, unconventional, or inexperienced by traditional scouts. This team was nicknamed "The Island of Misfit Toys," and they started the season with skepticism^{*3} from fans, scouts and even their own coaches.

However, the Athletics' unique approach worked. They went on a record-breaking 20-game winning streak. The 2002 Oakland Athletics did not win the World Series, but their revolutionary approach changed the landscape of baseball forever. Their story highlights the importance of knowing when to break away from established norms and traditions.

Louise Taine (October, 2022)

*¹ underdog: 勝ち目のない

*² consecutive wins: 連勝

*³ skepticism: 懐疑的な態度

問 1 Put the following events (①~④) into the order in which they happened.

→ → →

- ① Brand and Beane created a balanced team.
- ② Brand assigned number scores to the players.
- ③ The team lost their best players.
- ④ Brand and Beane threw out the established traditions.

問 2 If you follow Brand and Beane's method for your school's baseball team, you should .

- ① calculate number values for players' abilities
- ② make a team of misfit players
- ③ rank every player from best to worst
- ④ stop using your star players

問 3 From this story, you can understand that .

- ① human judgment is never a useful tool
- ② it's always best to abandon traditions and norms
- ③ quantifying a player's ability doesn't make a better team
- ④ traditions can sometimes be limiting to progress

第 5 問

You are researching for a school presentation project on people you admire, and have come across this blog post written by your favorite musician. Complete the notes and answer the questions below.

What is Important to Me

Ian Squire, guitar player

Recently a journalist asked me to write a short passage about an activity that is important to me for a book she was writing. At first, I had no idea what to write about, except obviously music or guitar playing. However, eventually it dawned on me that actually this was the thing that was especially important to me: writing. When I think about it, writing is of fundamental importance to my life. It helped me to make sense of the world around me when I was young, and it inspired me to experience new things. Not only that, but writing is now part of my job. It is also my hobby, and it also represents one of my ambitions in life.

When I was very small, I was given a fountain pen by my grandfather. It inspired me to write short stories and illustrate them. I'm not sure why I did this because it was a very long time ago, but recently I noticed that my eight-year-old daughter started to do the same thing. She usually writes about princesses, snow queens, and mermaids. I think she enjoys this because she wants to tell her own story. Maybe she creates her own characters because she cannot relate to the characters in the books she reads. Perhaps she bases the characters on the people she meets. That was exactly what I did when I was her age, anyway.

When I was older, it was the writing of other people that inspired me. I read a lot about ancient Rome and Greece, and when I was in high school, I studied Classics. We studied the works of Homer, such as *The Odyssey* and *The Iliad*. I was fascinated by these and they inspired me to join a school trip to Greece, which was the best experience of my life. We visited many ancient sites and generally had a really good time. I think that I owe this to reading and writing.

Now, writing is part of my job. I am a professional musician. I write my own songs all the time. Song writing is different from essay writing in that songs don't have as many words, and they are purely creative and abstract, like poems. I like thinking about how English works, about grammar and language, and about how good writing fits together. I especially like communicating ideas and life experiences, and writing songs really allows me to do this. Writing is an art form.

This belief in writing as an art form is the reason why I recently decided to write more in my spare time, and it has shaped my ambition for the future. I want to try to write novels, and hope to publish them one day. I think it is a really good thing for me. Every time I read a book I wonder how it could be improved so that I could enjoy it more. Some writing is perfect, but I feel like writing a book that would be more important to me than any other book I have read. Of course, I'll continue with the songwriting, too!

Your presentation notes:

- Ian Squire, guitar player**
-
- Things that are important to him**
- Music and guitar playing, but especially .
-
- Important events in Ian's story**
- His grandfather gave him a pen → → → →
-
- The importance of songs**
- Songs enable him to .
- They can be considered as an art form.
-
- Plans for the future**
- Continue to write .
- Begin writing .

問 1 Choose the best option for 24 .

- ① his ambitions
- ② his part-time job
- ③ reading
- ④ singing
- ⑤ writing

問 2 Choose **four** out of the five options (①~⑤) and rearrange them in the order they happened.

25 → 26 → 27 → 28

- ① Became a professional musician
- ② Completed his ambition to publish a novel
- ③ Read books about classical civilizations
- ④ Started to write short stories with accompanying artwork
- ⑤ Went on a trip to Greece

問 3 Choose the best option for 29 .

- ① communicate what is happening in the world around him
- ② fit together some painful experiences in his past with language
- ③ relieve all the stress of having to work all the time
- ④ test his grammar and linguistic skills

問 4 Choose the best options for 30 and 31 .

- ① essays
- ② illustrations
- ③ novels
- ④ poems
- ⑤ songs

第 6 問

You and your classmates are preparing for a group presentation and are making a poster based on the following article.

Cloud Seeding as a Process of Weather Modification — Can It Be a Practical Solution to Drought? —

In recent years, possibly due to climate change, weather patterns have become more unpredictable, and many parts of the world have been hit hard by extreme weather events. One of these extreme events is drought, which is an extended period of abnormally dry weather that occurs when little or no rain falls. The U.S., Australia, China, and many other countries in the Middle East, Central Asia and Africa have experienced frequent, intense, and persistent droughts in the last few decades. During a drought, which could last longer than a year, crops fail, and people suffer a shortage of drinking water. In addition, wildfires often break out and spread quickly when fueled by dry vegetation.

In response to the severe damage caused by droughts and wildfires, many countries conduct research on a method of artificial rainmaking called “cloud seeding.” Originally invented in the U.S. in the 1940s, cloud seeding is a process of weather modification which could improve the ability of clouds to produce rain. A cloud seeding operation begins with spraying chemicals onto cold clouds, usually from an airplane. The most common of these chemicals is silver iodide*¹, which has a hexagon-shaped crystal structure similar to that of ice and serves as “seeds” for ice particles within the clouds. As more water vapor attaches to ice particles, they become large and heavy enough to fall as either snow or rain. In some cases, rockets are used instead of airplanes. Small rockets containing silver iodide are shot into the sky and release the powdery material over the clouds. In other cases, an aerial drone points a laser beam at a targeted cloud to give it an electric shock and cause water droplets to gather and fall as rain.

Cloud seeding is still in the research and development phase, and researchers are trying to overcome a number of challenges. Firstly, not all types of clouds are suitable for cloud seeding. Targeted clouds must be deep and thick enough and within a certain range of temperature, usually between -10 and -12 degrees Celsius. Secondly, the wind must be below a certain speed. Otherwise, it's extremely difficult to sprinkle*² chemicals onto targeted clouds and induce rainfall in targeted areas. Additionally, cloud seeding could have harmful effects on the environment and human health. Some people tend to fear that silver iodide released in the sky may cause air pollution in and around targeted areas. If

contaminated^{*3} rain falls and enters waterways, it may cause soil and water pollution and pose a threat to wildlife. Even worse, if local residents are exposed to silver iodide in large quantities, they may suffer various health problems.

So far, experiments on cloud seeding have shown more negative outcomes than positive ones. Even in seemingly successful cases, it's difficult to determine whether a slight increase in the amount of rainfall is an effect of cloud seeding or just a natural phenomenon. This is why some researchers question the effectiveness of the complicated and costly method, and predict that it won't become a practical and reliable solution to drought anytime soon. While we can hope for future improvements in cloud seeding technology, we need to tackle the underlying causes of drought as well. Given the possibility that drought and other extreme weather events occur as a consequence of global warming, which has been accelerated by human activities, we should step up our efforts to reduce emissions of greenhouse gases and stop the earth from warming at an alarming rate.

Your presentation poster draft:

● Overview of cloud seeding

	Type of Vehicle	How to Make It Rain
Method 1	Airplane	Silver iodide is sprayed onto cold clouds.
Method 2	Rocket	
Method 3	Drone	A laser beam is pointed at a targeted cloud to give it an electric shock.

● Challenges faced by cloud seeding researchers

1. Not all types of clouds are suitable for cloud seeding.
2. .
3. and harm living things.

● Conclusion

1. For now, cloud seeding is not a practical and reliable solution to drought.
2. We should .

*1 silver iodide: ヨウ化銀

*2 sprinkle: まき散らす

*3 contaminate: 汚染する

問 1 According to the first paragraph, drought 32 .

- ① helps people reserve drinking water
- ② increases the risk of violent wildfires
- ③ is a direct cause of climate change
- ④ rarely occurs in the U.S. and Australia

問 2 Choose the best options for 33 and 34 .

- ① An airplane must fly at a constant speed over targeted clouds
- ② Cloud seeding may cause noise pollution and disturb local residents
- ③ It's difficult for a pilot to navigate an airplane through thick and deep clouds
- ④ Silver iodide may cause air, soil, and water pollution
- ⑤ Strong winds make it difficult to carry out a cloud seeding operation

問 3 According to the last paragraph, which of the following is most appropriate for 35 ?

- ① allow power plants and other industrial facilities to burn more fossil fuels
- ② do more to reduce human factors that contribute to global warming
- ③ neglect the underlying causes of drought and focus on cloud seeding
- ④ step up our efforts to stop researchers from experimenting with drones

問 4 According to the article, which two of the following are true? (The order does not matter.)

36

 ·

37

- ① There is likely a cause-effect relationship between global warming and extreme weather conditions.
- ② Drones have turned out to be more useful and cost-effective than airplanes and rockets.
- ③ In a typical cloud seeding operation, an airplane drops small ice cubes onto cold clouds.
- ④ Many countries oppose artificial rainmaking because humans are not allowed to manipulate the weather.
- ⑤ Some researchers don't think cloud seeding is effective and are skeptical about its future development.