

英 語 (問 題)

(100点・70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たり、裏返したりしてはいけません。
2. この問題冊子は17ページあり、解答用紙は1枚（両面）です。
試験中に問題冊子・解答用紙の印刷不鮮明、ページの落丁などに気付いた場合は、手を挙げて監督者に知らせなさい。
3. 試験開始後、ただちに解答用紙の所定記入欄に、氏名・受験番号・誕生日をそれぞれ正しく記入し、さらに受験番号・誕生日をその下のマーク欄にマークしなさい。
4. 受験番号・誕生日が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。

5. 解答は、解答用紙の解答欄に各設問で指示された方法で記入しなさい。
マーク方式は、例えば、

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と表示のある問いに対して①と解答する場合は、次の(例)のように解答番号20の解答欄の①にマークしなさい。

(例)

解答番号	解 答 欄
20	● ② ③ ④

6. 問題冊子の余白等は、下書きなどに適宜利用してよいが、各設問で指示された解答は、必ず解答用紙の解答欄に指示された方法で記入しなさい。
7. 試験終了後、提出は解答用紙のみとし、問題冊子は持ち帰りなさい。

Part I 次の英文を読んで設問に答えなさい。

A construction site is a dynamic environment filled with activities and characterized by the diverse roles of its workers, each contributing to the overall progress and safety of the project. All construction projects pose numerous risks on workers, therefore having a range of construction worker roles is crucial for establishing a safe working environment.

Construction workers are engaged in tasks such as digging, carrying materials, operating machinery, and more. Supervisors oversee the daily operations on the site. They coordinate tasks among workers and ensure that schedules and safety protocols are followed. Their leadership and experience help keep the project running smoothly. Site engineers are in charge of all the technical details of a project. Their responsibility is to ensure that the work meets the necessary standards. The collaboration with architects and designers helps resolve any on-site issues. Machine operators are professionals that move large and heavy machinery and equipment including cranes, bulldozers, and forklifts. Safety officers play an important role in securing workers' safety by conducting regular inspections of the sites, enforcing safety regulations, providing training to workers, and preparing for emergencies. Several other positions have been established to ensure that all workers on the construction site feel secure and protected.

Together, these individuals create a skilled team that transforms architectural designs into simplified structures. The noise of machinery, the shouts of instructions, and the constant movement of materials paint a picture of organized chaos, where workers could get involved in unfortunate accidents. Construction work involves many dangers. These dangers include working from tall heights, operating heavy machinery and even exposure to harmful materials. Keeping everyone on the site safe is of the highest importance. If people fail to follow the proper safety precautions they risk having accidents, legal troubles, damage to the company's reputation, and even death. Thus, each careful step they make contributes to the

(6)

completion of construction projects in a safe way.

Everyone on the worksite should prioritize safety training to be aware of the most current rules, regulations, and safety standards to minimize risks. Training should include topics such as how to operate equipment safely, understand up-to-date safety protocols, and the proper use of personal protective equipment (PPE). Staying aware of these regulations will foster a culture of responsibility and watchfulness.

Creating a culture of communication also improves workers' wellbeing and safety. Workers should be encouraged to share their observations and concerns regarding the project and worksite. Doing so can lead to early recognition of potential problems and hazards. To ensure this happens, regular meetings should be scheduled to allow for communication to flow between the on-site workers and higher management. This will lead to improvements regarding incident reporting and accident prevention while strengthening teamwork and morale, thus improving worksite management.

Workers should also be encouraged to utilize the latest technology for safety. Modern technology has paved the way for increased safety through inventions, including wearables and sensors. These devices can record and monitor workers' physical conditions and track their locations providing vital information when accidents occur as well as their prevention. Additionally, augmented reality (AR) has improved worker training allowing for real-life simulations that help workers to access and respond to potential hazards.

Finally, to ensure employees' safety, regular health checks, and wellness initiatives should be made available to workers. Due to the intense and often physical demands of construction work, early detection of job-related illnesses as well as chronic conditions can allow for improved treatments and prevention. Wellness programs and workshops can address areas, such as stress management, nutrition, and physical fitness. They all directly impact workers' performance. By meeting these needs, an increase in performance and attitudes can be seen.

The construction industry holds great potential in the job market. Working in construction can be both rewarding and challenging. Long into the future, this field of work will continue to be crucial. However, construction workers face great risks on the job. There are more reports of workplace accidents that cause illnesses, injuries, and deaths. Therefore, implementing and adhering to safety procedures can decrease work-related accidents and ensure that workers on site feel safe both physically and mentally, resulting in increased job satisfaction and performance. The result ⁽⁷⁾ultimately leads to a greater success in this field.

から の質問の答えとして最も適切なものを選び、その番号をマークしなさい。

According to the passage, what creates the safe working environment?

- ① a supervisor's skill of managing workers
- ② an increasing number of professional workers
- ③ a diversity of roles played by construction workers
- ④ a change in progressing construction projects

What is NOT mentioned about dangers on the construction site?

- ① working in high places
- ② lacking evacuation shelters
- ③ getting exposed to noise
- ④ moving materials and equipment

Why should communication within the company be encouraged?

- ① It allows for better preparation for potential accidents.
- ② It allows for scheduling safety meetings regularly.
- ③ It allows workers to know each other's roles for the job.
- ④ It allows workers to play other roles in a team.

What is the benefit of using augmented reality (AR)?

- ① It helps workers learn about work hazards through simulations.
- ② It helps workers know if construction sites meet safety standards.
- ③ It helps workers regularly check their health conditions.
- ④ It helps workers practice safety procedures at home.

5

According to the passage, what is NOT a benefit workers can expect from the wellness initiatives?

- ① improving mental health
- ② learning about a healthy diet
- ③ reducing the risk of diseases
- ④ monitoring physical exercise

6

Which is the closest in meaning to the underlined word (6)?

- ① image
- ② pride
- ③ symbol
- ④ vision

7

Which is the closest in meaning to the underlined word (7)?

- ① accordingly
- ② eventually
- ③ gradually
- ④ immediately

8

下の表は、この文章のメインポイントを段落ごとに順番に並べたものです。本文の流れに沿って、空欄に適する選択肢をひとつ選び、その番号をマークしなさい。ただし、同じ選択肢は一度しか使えません。

Securing safety on the construction site

8-1

8-2

The necessity of safety training for employees

Building workplace communication skills

Using technologies for workers' safety and health

8-3

Safety initiatives as the key to success in the field

- ① Healthcare management for workers' safety
- ② The job division for higher productivity
- ③ The risks of getting into some accidents on the worksite
- ④ Improving medical services for the on-site workers
- ⑤ Work efficiency and effectiveness for job success
- ⑥ Roles and responsibilities for team success
- ⑦ Accidents resulting from careless actions
- ⑧ A new health plan for construction workers

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最後の段落には下記の質問の答えがあります。その答えを日本語で要点を押さえて述べなさい。解答は解答欄に書きなさい。

9-1

According to the passage, what are the problems workers have on the construction site?

9-2

According to the passage, how do safety practices help construction workers?

Part II 次の英文の空欄 **10** から **18** に入る最も適切な単語を選択肢から選び、その番号をマークしなさい。ただし、同じ選択肢は一度しか使えません。

If you often eat frozen foods, you probably often stock up on frozen pizzas, chicken, cheese, and other **10** . You may **11** when and how people started to eat frozen foods. A surprising **12** is that people have been eating frozen foods since around 1000 BC. Ancient people used ice and snow to quickly **13** fresh meat and fish from hunting and harvesting. Modern times have seen great **14** in food freezing technology. Early in the 1930s, the innovation in fast freezing techniques and the **15** of frozen food industry boosted the consumption of frozen food in America, creating a great need for home refrigerators. American consumers became aware of frozen food **16** on television shortly after World War II, leading to a surge in frozen food purchases in the 1950s and 1960s. To date, the **17** for frozen food has grown steadily and is expected to be higher than ever before. This is mainly due to significant improvements in their taste, nutrition and safety as well as convenience and **18** .

選択肢

- | | | |
|------------------|-----------------|----------|
| ① advertisements | ② affordability | ③ demand |
| ④ emergence | ⑤ fact | ⑥ freeze |
| ⑦ items | ⑧ progress | ⑨ wonder |

Part III 次の英文と図表を読んで、19 から 22 の質問の答えとして最も適切なものを選び、その番号をマークしなさい。

Sustainable and affordable energy for everyone is a global goal, however, the advancement toward this goal might not be fast enough. Switching to more renewable energy sources is crucial for a number of reasons, such as fighting global warming and providing access to electricity, not only in developed but also in developing countries. Read the information in Table 1 and Figure 1 below to learn more about the situation in four Asian countries to see how the advancement has been progressing in the areas of providing access to electricity and using clean energy between 2000 and 2020.

	Japan	South Korea	China	Mongolia
The proportion of the population with access to electricity	100%	100%	100%	99.5%
The proportion of the population with primary reliance on clean fuels and technology	95%	95%	81%	51%

Table 1. The proportions of the population with access to electricity and primary reliance on clean fuels in four Asian countries

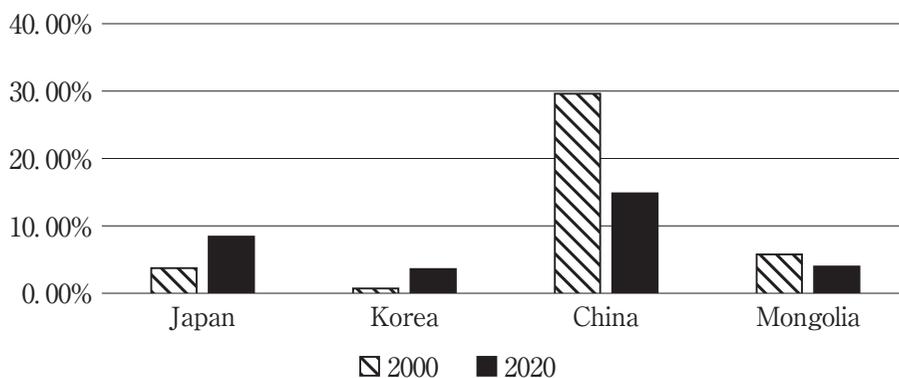


Figure 1. The share of renewable energy in total energy consumption in 2000 and 2020

Overall, the use of renewable energy sources to produce electricity has started to increase globally at an unparalleled speed. There are high hopes that this trend will continue worldwide; however, the COVID-19 pandemic and the war in Ukraine had a negative impact on the development. Nevertheless, such dramatic events clearly demonstrated the need for the shift in energy production, and the risks of the dependence on fossil fuels.

Source: <https://unstats.un.org/sdgs>

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What is mainly discussed in the passage?

- ① current situation of renewable energy use in several Asian countries
- ② evaluation of four policies for renewable resources in developing countries
- ③ reasons leading to global social troubles like pandemics or wars
- ④ significance of developed countries for the share of renewable energy

20

Which of the following describes access to energy in Asia appropriately?

- ① A majority of the population in South Korea uses eco-friendly energy for generating power.
- ② Two-thirds of the population in Mongolia has access to clean energy.
- ③ In Japan, five percent of the population does not have access to electricity.
- ④ More than 80 percent of the population in China does not rely on clean sources of electricity.

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Which of the following best summarizes the share of renewable energy in 2000 and 2020?

- ① A significant rise in the consumption of fossil fuels was observed in South Korea in 2020.
- ② China experienced a dramatic fall in the renewable energy share over the 20-year period.
- ③ In Mongolia the decrease in the renewable energy share was steeper than in other countries.
- ④ Japan's share of renewable energy remained steady between 2000 and 2020.

22

What is the author's position on sustainable energy production?

- ① Renewable energy is too expensive and challenging to generate worldwide.
- ② Traditional fossil fuels cannot be replaced by renewable energy in the long run.
- ③ Recent social crises stressed the importance of a shift to renewable energy.
- ④ Using renewable sources could prevent future pandemics and wars.

Part IV 次の 23 から 26 の会話の空欄に入る最も適切な表現を選び、その番号をマークしなさい。

23

Peter : Hi, Mark. Can you guess what I'm so excited about?

Mark : Yes, I remember you messaging me about your weekend plan to go climbing.

Peter : Thank you for remembering. I have a reservation for the two-day Mt. Fuji tour. It's so exciting because, for me, this is going to be the biggest event ever.

Mark : Good for you, Peter. So, ()?

Peter : I'm all set for it, but I'm a bit worried about the weather. The latest forecast says it'll start raining early in the morning on the second day.

Mark : That's not good news. Why don't you delay the climbing schedule date? You should not miss the great chance to watch the sunrise from the top of Mt. Fuji.

- ① how has the event been going so far
- ② how is your preparation going
- ③ are you sure you'll participate in the tour
- ④ are you thinking about joining the tour

Monica : Kate, do you know how to get a refund without a receipt? I bought a heater at a store two days ago. After giving it a test run, I found it doesn't work at all.

Kate : I feel bad for you, Monica. You don't have the receipt, right. But I think you have something to try to get your money back.

Monica : What should I do?

Kate : You should act now. You need to contact the store you made the purchase at and explain the situation as soon as possible. If you are within the return period, you'll have a better chance for the refund. The store is more likely to keep your purchase record.

Monica : Thank you, Kate. ().

Kate : I hope it works, Monica. Just one more thing. It's best to stay polite, calm, and patient while making the request.

- ① I'll definitely give it a try
- ② I'll have to give up on the request
- ③ I'll try asking if they return the receipt
- ④ I'll try something I'm thinking of now

Ken : Which do you prefer to eat, rice or bread?

Ben : Well, it depends on the time of the day. In the morning, I prefer bread. It's much easier to prepare. Why do you ask?

Ken : I read an article about how the Japanese people's eating habits have been changing. Rice consumption in Japan was highest in 1962 when every person ate an average of 118 kg, and by 2020, it went down to 51 kg annually.

Ben : I see. That is a big difference.

Ken : But the article also said Japan's rice exports rose from 4,515 tons in 2014 to 22,833 tons in 2021.

Ben : (). Now I feel like having some rice for lunch at our campus cafeteria.

- ① It is much higher rice export rate than bread
- ② It is very reasonable that foreigners like bread over rice
- ③ I wonder about the average exports of bread in Japan
- ④ I wonder why rice is losing popularity in Japan but growing overseas

Sue : My smartphone crashed again and now I do not have a smartphone.

Karen : Oh, it must be very inconvenient.

Sue : Yes, that's what I felt in the beginning. Now, I know why some people say smartphones have a negative impact on our lives.

Karen : Well, is that so? In what ways?

Sue : I do not have to constantly check and reply to social media messages and keep up with all the information. What's more, I enjoy communicating face-to-face. I feel I am more connected to other people. If people want to become effective communicators, they should talk to others in person.

Karen : I see your point. Even though I understand what you are saying, I still feel that having a smartphone is more advantageous and beneficial in the modern world. ().

- ① I do not need advanced technology with a smartphone
- ② I do not need to live with a smartphone
- ③ I do not think I can live without a smartphone
- ④ I do not think I need a smartphone

Part V 次の各英文を読み，その内容を理解した上でカッコ内の語句をすべて使って，27 および 28 の下線部を正しく並べ換えなさい。ただし，他の語句を加えてはいけません。解答は作成した部分のみを解答欄に記入すること。

27

Traveling always makes me feel like life is worth living. I enjoy visiting new sightseeing spots, trying local food, and meeting local people and other travelers. My curiosity and excitement of traveling overseas enable me to overcome any challenges I might happen to face. However, there is something I still struggle with. I can't easily get over jet lag. Every time I travel it takes me a week or longer to fully recover and get back to normal, while (say / or two / is / their recovery / long enough / a day / for / my co-travelers). I just cannot relate to their quick adjustments.

28

My day never ends without eating junk food. I've grown up with it. Since I left my parents' home for college, eating junk food has become a habit. I regularly buy and eat fast food, salty snacks, and sweet drinks, although I am aware that eating junk food is unhealthy and harmful. For example, it can cause a lack of nutrients, memory problems, depression, and learning difficulties. I ask myself why I cannot stop. The answer is the taste, accessibility, and convenience of junk food. I find (stay / it / from it / restrict / hard / or / to / away). Now I really need some help from those who have successfully reduced the amount of junk food in their diet.