

大阪府立入試直前予想演習
(一般入学者選抜)

英 語
〔B問題〕
第3回

注 意

- 1 「開始」の合図があるまで開いてはいけません。
- 2 答えは、すべて**解答用紙**に書きなさい。

答えとして記号を選ぶ問題は、下の【解答例】にならい、すべて**解答用紙**の記号を○で囲みなさい。また、答えを訂正するときは、もとの○をきれいに消しなさい。

【解答例】

ア	イ	ウ	エ
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解答用紙の**採点者記入欄**には、何も書いてはいけません。

- 3 問題は、中の用紙のA面に1、B面に2があります。
- 4 「開始」の合図で、まず、**解答用紙**に受験番号を書きなさい。
- 5 「終了」の合図で、すぐ鉛筆を置きなさい。
- 6 放送による英語リスニングテストをこの検査終了後に行いますので、指示に従いなさい。

1 次は、高校生の亜季(Aki)、インドからの留学生のサリム(Salim)、森先生(Mr. Mori)の3人が学校で交わした会話の一部です。会話文を読んで、後の問いに答えなさい。

- Aki: I'm here on the roof of our school for the first time. Look, Salim. The solar panels are very big! I didn't think they were so big.
- Salim: Yes. They are like big black tatami mats.
- Aki: And it's so quiet here.
- Mr. Mori: They don't burn anything like oil or gas, so they're not dangerous. They just need the sunlight.
- Salim: If they don't have to burn anything, then [①]
- Mr. Mori: That's a good point, Salim. And, after these panels are put on the roof, it costs almost nothing to produce electricity. You know, the sunlight is free.
- Aki: No danger, no cost. [ア] Every building should have this system, and then we don't need to use so much oil or nuclear power.
- Mr. Mori: I think you're right. But this system has some problems, too. Look up at the sky.
- Salim: It looks like rain. That means... [イ]
- Aki: Oh, no. This system doesn't work well if it is not sunny.
- Salim: [ウ] And they can't produce electricity during the night.
- Mr. Mori: That's right. And these panels are expensive. So, they are still not so [②]. Well, let's go back inside. It's started to rain. [エ]
- Aki: Thank you for showing us the solar panels, Mr. Mori. I've become more interested in the solar power system.
- Mr. Mori: You're welcome. Do you have this kind of system in your country, Salim? Your country has a lot of sunlight. I think it is good for the solar power system.
- Salim: Yes. I think many scientists have been studying about [ア] it. Have you heard about "Soleckshaw"?
- Aki: Soleckshaw? I've never heard of the word. Is that somebody's name?
- Salim: No. Soleckshaw is a kind of bike. It means "the Solar-Electric Rickshaw". You know, "rickshaw" comes from a Japanese word.
- Aki: Really? What is it?
- Mr. Mori: I guess it comes from *rikisha*.
- Salim: That's right. It comes from *rikisha* or *jinrikisha*. In India, there are millions of cycle rickshaws.
- Aki: What is a cycle rickshaw?
- Salim: It's a kind of bike which has a carriage in the back. And the carriage has two wheels. Cycle rickshaws produce no pollution because they burn no oil.
- Mr. Mori: That's eco-friendly.
- Salim: Yes, it is. But the job of a rickshaw driver is not easy. Sometimes he has to ride a cycle rickshaw with heavy things and people for a long time.
- Aki: I can imagine that.
- Salim: To help the rickshaw driver with his hard work, scientists have produced the Solar-Electric Rickshaw, or Soleckshaw. It's driven partly by pedals and partly by electric power from a battery that [③]. The battery of the Soleckshaw can also be used to charge mobile phones and play an FM radio.
- Mr. Mori: [④] to get a full charge?
- Salim: It takes about 8 hours. We can charge it again and again.
- Aki: I see. With that, the rickshaw drivers can easily go up slopes.
- Salim: Yes. Rickshaw drivers will be less tired, work more efficiently, and earn more money. Their health problems will be reduced, too.
- Aki: [⑤] a rickshaw driver, I would want to use the Soleckshaw instead of a rickshaw without the solar power.
- Mr. Mori: Also the Soleckshaw doesn't produce any pollution. So it's kind to both people and the Earth.
- Salim: That's right. Especially in busy streets of cities, pollution is at very high levels because cars move very slowly. The Soleckshaw can help to cut down carbon emissions. Maybe, in the future, we can see "Soleckbus", "Solecktaxi", or "Solecktrain" and so on. I'm looking forward to using them.
- Aki: It's very interesting. I want to have "Soleckbus" or "Solecktrain" in Japan, too.

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Solar panels
(ソーラーパネル)

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Jinrikisha
(人力車)

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Soleckshaw
(ソレクショー)

Mr. Mori: Thinking about the solar energy is fun, isn't it?

(注) solar panel ソーラーパネル nuclear power 原子力
 carriage 人や荷物をのせる車 eco-friendly 環境にやさしい slope 坂道
 efficiently 効率的に carbon emission 二酸化炭素排出量

(1) 本文の内容から考えて、次のうち、本文中の に入れるのに最も適しているものはどれですか。一つ選び、記号を○で囲みなさい。

ア we need more sunlight to get more heat for this system instead of using oil which can cause environmental damage.

イ these panels are too expensive for most homeowners to have on their roofs though they help to keep the air clean.

ウ they don't produce CO₂, a greenhouse gas, which warms the Earth and causes climate change.

エ this system doesn't work because it needs a lot of energy from materials which produce large amounts of CO₂.

(2) 本文中には次の英文が入ります。本文中の ~ から、入る場所として最も適しているものを一つ選び、記号を○で囲みなさい。

It's wonderful.

(3) 本文の内容から考えて、本文中の に入れるのに最も適しているものはどれですか。一つ選び、記号を○で囲みなさい。

ア comfortable イ dangerous ウ popular エ interesting

(4) 本文中の ^Ait の表している内容に当たるものとして最も適しているひとつづきの英語 4 語を、本文中から抜き出して書きなさい。

(5) 本文の内容から考えて、次のうち、本文中の に入れるのに最も適しているものはどれですか。一つ選び、記号を○で囲みなさい。

ア can be produced by burning oil イ is charged from solar energy

ウ comes from Japan エ will be at very high levels

(6) 本文中の を含む文が、「完全に充電するにはどれくらい時間がかかりますか。」という内容になるように、次の [] 内の語を並べかえて解答欄の _____ に英語を書き入れ、英文を完成させなさい。ただし、文頭にくる語も小文字にしてあります。

[does take long it how] to get a full charge?

(7) 本文中の ' a rickshaw driver' が、「もし私がリクショー運転手ならば」という内容になるように、解答欄の _____ に英語 3 語を書き入れ、英文を完成させなさい。

(8) 本文の内容から考えて、次のうち、本文中の に入れるのに最も適しているものはどれですか。一つ選び、記号を○で囲みなさい。

ア That will be useful for Japan to develop its technology.

イ If we had it here, we could carry heavy things more easily.

ウ We can use it to make solar panels more famous in the future.

エ I'm sure it will help to reduce the air pollution.

(9) 次のうち、本文で述べられている内容と合うものはどれですか。二つ選び、記号を○で囲みなさい。

ア Aki has been on the roof of her school and seen the solar panels many times.

イ The solar panel system can't produce electricity at night.

ウ The cycle rickshaw produces pollution, but the Soleckshaw produces no pollution.

エ If the rickshaw drivers use the Soleckshaw, they can do their job more easily than before.

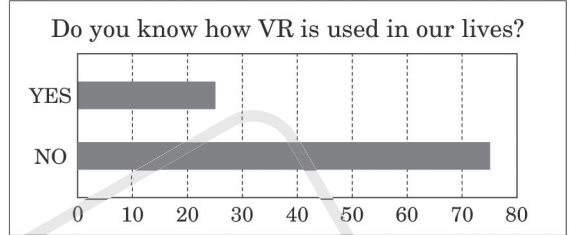
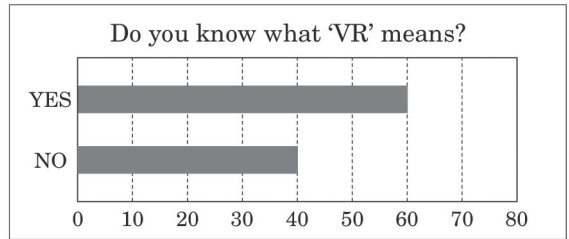
オ Mr. Mori became interested in solar energy, so he bought a solar-bike.

2 高校生の健(Ken)が英語の授業でスピーチを行いました。次の[I], [II]に答えなさい。

[I] 次は、健が英語の授業で行ったスピーチの原稿です。英文を読んで、あとの問いに答えなさい。

Have you ever heard of 'VR'? It means virtual reality, a kind of computer technology which shows us a virtual world. When I asked this question to one hundred students in this school, many of them answered "Yes." But when I asked them what 'VR' means and how VR is used, ① Look at these graphs. We can see that sixty of them knew the meaning of the word. But the number of the students who knew how VR is used was only twenty-five. It's fewer than thirty, half the number of the students who knew the meaning of 'VR'. Today, I'd like to talk about VR as a part of our real lives.

[Graphs(グラフ)]



VR changes a lot of things in our lives. For example, the way of playing video games changed when VR was used in them. In video games with VR, we can do many things which we cannot experience in the ② world. Without VR, we just operate characters in the games. The characters are usually very strong and quick. They run fast, jump high, and fight a lot of enemies. But we are only sitting in front of a TV or a computer and watching them. In other words, we can ③.

I bought a new video game with VR last month. I was really surprised and excited when I played ④ it for the first time. We need to wear special goggles to see a virtual world. When I'm playing it, I feel as if I were fighting enemies inside the game. It's really exciting. VR made big changes to the field of video games. ⑤

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VR is also used in many other ways now. There is a company which developed a VR device for emergency drills. It shows a fire scene, and ⑥ escape from the fire. With this device, we can also have practical fire drills without any real fires. Konosu City in Saitama introduced this VR and started to use it for fire drills for the people in the city. I hope other cities start using it for emergency drills soon, too. I also want to try doing a fire drill with it if I have a chance.

special goggles to see a virtual world
(仮想世界を見るための特別なゴーグル)

In the medical field, some hospitals have started to use VR devices which show patients' bodies. Doctors can practice for surgery with these devices. ⑦ With VR devices, doctors can practice many times without worrying about the cost. Thanks to these devices, even young doctors can improve their skills. If more doctors use VR for practicing, they may be able to have more success with some difficult surgeries. This may save many people suffering from serious diseases. I hear that these VR devices will be ⑧ in training at medical colleges, too.

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VR devices which show patients' bodies
(患者の体を映し出すVR装置)

These examples are just a few of the changes which VR brought to us. I'm sure VR has great potential and will be even more important to our real lives.

Thank you for listening.

- | | | |
|--------------------------|------------------|----------------------|
| (注) virtual reality 仮想現実 | virtual 仮想の | operate 操作する |
| enemy 敵 | as if ~ ~かのように | field 分野 |
| develop 開発する | device 装置 | emergency drill 避難訓練 |
| fire scene 火災現場 | escape 逃げる, 避難する | practical 実践的な |
| introduce 導入する | surgery 外科手術 | cost 費用 |
| thanks to ~ ~のおかげで | potential 将来性 | |

- (1) 本文の内容から考えて、次のうち、本文中の ① に入れるのに最も適しているものはどれですか。一つ選び、記号を○で囲みなさい。
- ア everyone seemed to know the answer. イ they have been thinking about the meaning.
ウ the question made them surprised. エ many of them couldn't answer.

- (2) 本文の内容から考えて、次のうち、本文中の ② に入れるのに最も適しているものはどれですか。

一つ選び、記号を○で囲みなさい。

ア future イ real ウ foreign エ modern

- (3) 本文の内容から考えて、次のうち、本文中の [③] に入れるのに最も適しているものはどれですか。一つ選び、記号を○で囲みなさい。

ア learn how to fight our enemies in the real world イ never see how the virtual world is
ウ make a lot of changes to our real lives エ never be in the world of the games

- (4) 本文中の it の表している内容に当たるものとして最も適しているひとつづきの英語 6 語を本文中から抜き出して書きなさい。

- (5) 本文中の [④] が、「しかし、それは VR によって変えられた唯一のものではありません。」という内容になるように、次の [] 内の語を並べかえて解答欄の _____ に英語を書き入れ、英文を完成させなさい。

However, it is [the changed only not thing] by VR.

- (6) 本文中の [⑤] escape from the fire が、「私たちは火災からの逃げ方を学びます」という内容になるように、解答欄の _____ に英語 5 語を書き入れなさい。

- (7) 本文中の [⑥] に、次の (i) ~ (iii) の英文を適切な順序に並べかえ、前後と意味がつながる内容となるようにして入れたい。下のア~エのうち、英文の順序として最も適しているものはどれですか。一つ選び、記号を○で囲みなさい。

(i) They are very expensive, too.

(ii) In many hospitals, doctors have some special dolls for practicing.

(iii) But most dolls can only be used a few times.

ア (iii)→(ii)→(i) イ (ii)→(iii)→(i) ウ (i)→(iii)→(ii) エ (iii)→(i)→(ii)

- (8) 本文の内容から考えて、次のうち、本文中の [⑦] に入れるのに最も適しているものはどれですか。一つ選び、記号を○で囲みなさい。

ア introducing イ introduces ウ introduced エ introduce

- (9) 本文の内容と合うように、次の問いに対する答えをそれぞれ英語で書きなさい。ただし、①は 3 語、②は 8 語の英語で書くこと。

① Does Ken want to try doing a fire drill with a VR device if he has a chance?

② What kind of VR devices do doctors use to practice for surgery or improve their skills?

- [II] スピーチの後に、あなた(You)と健が、次のような会話をするとします。

あなたならばどのような話をしますか。あとの条件 1・2 にしたがって、(①), (②) に入る内容を、それぞれ英語で書きなさい。解答の際には記入例にならって書くこと。文の数はいくつでもよい。

You: Hi, Ken. Your speech was great! Now I'm more interested in VR. (①)

Ken: Really? As I said in my speech, I have a video game with VR. Do you think video games with VR are good for you?

You: (②)

Ken: I see.

<条件 1> ①に、「私はこれまでに VR 付きの装置を使ったことが一度もない。」と伝える文を、10 語程度の英語で書くこと。

<条件 2> ②に、解答欄の [] 内の Yes, I do., または No, I don't. のどちらかを○で囲み、そのあとに、その理由を、20 語程度の英語で書くこと。

記 入 例			
When	is	your	birthday ?
Well	,	it's	April 11 .