

①薬学部・香川薬学部

②入試区分

I 期A日程

③出題科目

英語コミュニケーションⅠ・Ⅱ・論理・表現Ⅰ

④出題の意図

①長文読解問題では、自然科学、社会科学、人文科学、特に論説文、評論などを論理的に読み解き、理解するために必要となる語彙力、文法力、論理性を判定する。

②発音、アクセント問題では、基本的な英単語を発話でき、聞き取れる力を判定する。

③対話文を使った問題では、文脈に応じた適切な表現ができる能力と語彙力・文法力を判定する。

④語彙・文法問題では、基本的な英文を理解し作成できる基本的な語彙力・文法力を判定する。

英語コミュニケーションⅠ・Ⅱ・論理・表現Ⅰ

解答番号 1 ～ 55

I 次の英文を読み、下の問1～問5に答えよ。なお、*印のある語句には注があるのので、参考にせよ。

In many urban cities, like the Tokyo Metropolitan Area, ^(a)road congestion poses serious problems. Every day and night, cars and delivery vehicles block the smooth flow of traffic. In (ア), the effectiveness of human driving is in question. Cars cause a huge loss of time and ^(x)reduce road safety. According to one study, *approximately 120 million people in the US commute to their offices by car on weekdays. On (イ), they drive 50 minutes per day, this means, that ^(b)one hundred million hours are wasted each day just on driving. Another issue is car accidents. Worldwide, about 1.2 million people are killed each year in road accidents.

What about environmental issues? ^(c)Cars cause air pollution, so many countries have agreed to ban the production of gasoline engines by around 2035. The rise of electric vehicles (EVs) indicates a shift to more environmentally friendly cars. Currently, researchers are working on the next generation of EVs, self-driving vehicles.

^(d)Can you imagine a self-driving car taking you to your destination without you having to drive? We use our eyes and brains to steer, but self-driving vehicles use cameras, radars, and artificial intelligence instead of eyes and brains. They adjust the speed and brake operations using *onboard automated electronic systems.

Automated systems have roughly two important levels of operation: one is a partially automated system, and (ウ) is a highly or fully automated system. A partial control system supports the operation of the speed system. For example, ^(y)it detects surrounding objects ^(e)to maintain

an appropriate distance from the vehicles in front and behind. However, the driver must stand by to take over the steering on complex, uncontrolled routes, such (エ) on regular roads. By contrast, highly automated driving systems do not need human assistance. Toyota's autonomous car, e-Palette, carried passengers on a controlled route during the Tokyo Olympics. During that drive, (f) the drivers took charge of starting and stopping operations only.

Automated cars have *numerous cameras, radars, and sensors, fitted at every angle. These cameras scan all objects nearby, for example, traffic lights, cars, and pedestrians on the street. The vision of the cameras exceeds the range of the human eye and the sensors can read traffic signals 200 meters away. Those scanned data are immediately sent to the onboard central computer system, and (g) the computer calculates the distance between the objects and controls the speed at once.

While automated cars can reduce human errors, they rely heavily (オ) IoT (Internet of Things) technology. (z) This has raised concerns about their operation during disasters.

(出典：Akie Yasunaga. *Imagining a Better Society*. Sanshusha.)

(注) *approximately：およそ

*onboard：車に搭載されている

*numerous：たくさんの

問1 空欄（ ア ）～（ オ ）に入れるのに最も適したものを、それぞれ下の①～④のうちから一つずつ選べ。

空欄（ ア ）

1

- ① advance ② addition ③ common ④ between

空欄（ イ ）

2

- ① arrival ② board ③ business ④ average

空欄（ ウ ）

3

- ① the anything ② the another ③ the other ④ the others

空欄（ エ ）

4

- ① that ② to ③ how ④ as

空欄（ オ ）

5

- ① that ② such ③ on ④ back

問2 下線部(a)～(g)の日本語訳として最も適切なものを、それぞれ下の①～④のうちから一つずつ選べ。

下線部(a)

6

- ① 道路が渋滞して車が止まり、重大な問題になってゆく
② 道路の交通渋滞は重大な問題に歯止めをかけた
③ 道路の交通渋滞は深刻な問題を引き起こしている
④ 道路の渋滞は交通の重要な問題審議を妨げる

下線部(b) 7

- ① 運転中に無駄となっている時間が, 1 年あたり 1 億時間になる
- ② 運転という贅沢に, 毎日 1 億時間が使われている
- ③ 毎年 1 億時間が, 無駄な運転に使われている
- ④ 1 億時間が毎日, 運転だけのために浪費されている

下線部(c) 8

- ① 車は大気汚染を引き起こし, 非常に多くの国々は2035年にガソリンエンジンの製造を禁止することにすでに同意している。
- ② 車は大気汚染を引き起こすので, 多くの国々は大体2035年ごろまでにはガソリンエンジンの製造を禁止することにすでに同意している。
- ③ 車は大気汚染を引き起こし, 非常に多くの国々はガソリンエンジンの製造を禁止することに2035年までには同意するだろう。
- ④ 車は大気汚染を引き起こすので, 多くの国々はガソリンエンジンの製造を禁止することに大体2035年ごろまでには同意するだろう。

下線部(d) 9

- ① 自分で運転する必要を感じないほどに, 自動で目的地まで行ってくれる車を想像することができますか?
- ② あなたが乗ることがない状態で, 自動的に目的地まで行ってくれる車を想像することができますか?
- ③ 自分で運転する必要がない状態で, 自分を目的地まで運んでくれる自動運転の車を想像することができますか?
- ④ 運転するあなたがいらない状態でも, 自動的に目的地まで行ってくれる車を想像することができますか?

下線部(e) 10

- ① 前後の車との適切な距離を保つため
- ② 前の車からの適切な距離を置いて後方に位置するため
- ③ 前の車からの適切な距離を置いて後退するため
- ④ 前の車から後ろの車までの距離を伸ばすため

下線部(f)

11

- ① 運転手は発車を担当し、停車しながらわずかの操作だけを行った
- ② 運転手は発車を担当し、停車する際はわずかの操作を行うのみだった
- ③ 運転手は発車と停車の操作だけを管理していた
- ④ 運転手は発車と停車の操作すら免除された

下線部(g)

12

- ① コンピュータは物体と物体の間の距離を計算し、瞬間的な判断にかかる時間を調節する
- ② コンピュータは物体間の距離を計算し、同時に車の速度を速める
- ③ コンピュータは物体と物体の間の距離を計算し、それらの速度が同一になるように調節する
- ④ コンピュータは瞬時に物体間の距離を計算し、車の速度を調節する

問3 二重下線部_(x)reduce road safetyで語られているのは具体的にはどのような事象か。最も近いものを、下の①～④のうちから一つ選べ。

二重下線部_(x)reduce road safety

13

- ① Cars cause air pollution.
- ② American drivers have to drive as much as 50 minutes to their offices.
- ③ About 1.2 million people are killed in traffic accidents.
- ④ Cars block the smooth flow of traffic.

問4 二重下線部_(Y)it と_(Z)This が指す内容に最も近いものを、それぞれ下の①～④のうちから一つずつ選べ。

二重下線部_(Y)it 14

- ① a highly automated system
- ② a partial control system
- ③ a fully automated system
- ④ a self-driving vehicle

二重下線部_(Z)This 15

- ① Human errors never disappear in spite of the use of automated cars.
- ② Human eyesight falls short of that of cameras.
- ③ Automated cars cannot detect traffic signals more than 200 meters away.
- ④ Automated cars make too much use of IoT.

問5 次の [1] ～ [5] のそれぞれについて、本文の内容に合致する場合は解答欄の①を、そうでない場合には②をマークせよ。

[1] Self-driving vehicles control the speed of the vehicles in front and behind using cameras, radars, and artificial intelligence. 16

[2] The eyesight of the cameras in automated cars is better than that of human beings. 17

[3] Toyota's autonomous car, which was used during the Tokyo Olympics, adopted a partially automated system. 18

[4] One of the reasons why some people choose to drive electric vehicles is the concern about environmental issues with gasoline engines. 19

[5] The driver of a partially automated car must control the speed system all the time. 20

II 次の問1～問8のそれぞれの英単語について、最も強く発音される音節の番号を一つずつ選べ。

問1 ef-fi-cien-cy 21
① ② ③ ④

問2 av-er-age 22
① ② ③

問3 en-vi-ron-men-tal 23
① ② ③ ④ ⑤

問4 e-lec-tron-ic 24
① ② ③ ④

問5 ap-pro-pri-ate 25
① ② ③ ④

問6 pe-des-tri-an 26
① ② ③ ④

問7 op-er-ate 27
① ② ③

問8 im-me-di-ate-ly 28
① ② ③ ④ ⑤

Ⅲ 次の問1～問2の英単語について、最も強く発音される音節の位置が同じものを、それぞれ下の①～④のうちから一つずつ選べ。

問1 com-mute

29

① man-age

② fe-male

③ ca-nal

④ ef-fort

問2 main-tain

30

① com-merce

② pat-tern

③ al-low

④ mod-ern

Ⅳ 次の問1～問10の英単語について、下線部の発音が同じものを、それぞれ下の①～④のうちから一つずつ選べ。

問1 gasoline

31

① labe

② water

③ passenger

④ ancient

問2 cause

32

① lowo

② laugh

③ gauge

④ taught

問3 charge

33

① warr

② hard

③ heard

④ warning

問4 commute

34

① include

② utter

③ flute

④ usual

問5 houro

35

① course

② pouro

③ souro

④ touro

問6 steer

36

① pair

② earo

③ chair

④ care

問7 world 37

- ① corn ② worst ③ heart ④ pork

問8 roughly 38

- ① cut ② exhaust ③ author ④ law

問9 fitted 39

- ① helped ② walked ③ landed ④ based

問10 partial 40

- ① statue ② fortune ③ question ④ patient

V 次の問1～問5の会話文を完成させるため、空欄 41 ～ 45 に入れるのに最も適したものを、それぞれ下の①～④のうちから一つずつ選べ。

問1 A: Hi, Harvey, you got a suntan. Did you go on vacation?

B: Yes, Gary. I took my wife and children to New Zealand.

A: Did you like it there?

B: We enjoyed ourselves a lot. The food was great, and the people were friendly.

A: I want to go there, too, but my wife tells me not to spend too much money.

B: Why don't you look for discount tickets on the Internet? 41

A: Really? Then I'll check this afternoon.

- ① I think you can get there faster.
② I think you can save a lot of money.
③ I think you'll have more time to relax.
④ I think you'll meet a lot of people.

問2 A: Hi, Vanessa, have you finished reading the book I lent you last week?

B: Oh, *Lucy Cousins' Nursery Rhymes*? Yes, I've finished it, but it's at home.

A: 42 My sister wants to read it.

B: Okay. I'll bring it to school tomorrow.

- ① Can I ask whether you want to buy it?
- ② May I read that picture book?
- ③ Can I have it back?
- ④ How many rhymes in the book do you know?

問3 A: Good afternoon. Can I have my jackets cleaned at this dry cleaner?

B: Yes. Each jacket is \$15.

A: Great. I'd like to have these two jackets cleaned.

B: Would you like our fast service? For an extra \$4, we can do them by tomorrow morning.

A: No, thanks. When will my jackets be ready?

B: You can 43.

A: Okay. Here's the \$30.

B: Thank you very much.

- ① get them tomorrow morning
- ② bring more jackets tomorrow
- ③ keep the receipt for a while
- ④ pick them up in four days.

問 4 A: Dad, can you take me to the history museum this weekend?

B: Of course, Susan. 44

A: I have to write a report for history class, and I need to get some information.

B: All right. Let's go next Sunday.

- ① Have you been there for yourself?
- ② Why do you want to go there?
- ③ Do you know how to get there?
- ④ Have you got something?

問 5 A: Cynthia, where are Mom and Dad?

B: They are both still at work, but they should be back home soon.

A: I want to show them the history test I took today. 45

B: Oh, they'll feel happy about that.

- ① Mom and Dad can show it to you.
- ② I got all the answers correct.
- ③ I must study hard for the test.
- ④ They went to see my teacher.

VI 次の問1～問10において、空欄 ～ に入れるのに最も適したものを、それぞれ下の①～④のうちから一つずつ選べ。

問1 Stephano starts to work at Crown Hotel. He carries bags and guests to their rooms.

- ① lends ② opens ③ shows ④ limits

問2 It was that Bryan was too sick to work, so his boss let him go home earlier than usual.

- ① informal ② fortunate ③ apparent ④ conservative

問3 Everyone says Dennis is mean. Though he doesn't like at, he always laughs at other people.

- ① to laugh ② has laughed ③ had laughed ④ being laughed

問4 I tried my best to my father to let me go camping with my friends, but he didn't allow us to do so and told me to study.

- ① assist ② interrupt ③ persuade ④ apologize

問5 If you own a house, you usually have to cut the grass in your yard more often in spring than in summer. This is because grass grows more in spring.

- ① skillfully ② rapidly ③ privately ④ carefully

問6 Mr. Caine was 88 years old when he . Many employees of his company attended his funeral.

- ① stood in ② passed away ③ checked in ④ changed away

問7 Ms. Berkin was so busy the week before her vacation that she didn't have time to her suitcase until the morning of her departure.

- ① defend ② focus ③ cut ④ pack

問8 Claire used to take her father for 53. But after he had stomach surgery and stayed in hospital for a week, she realized how important he was to her.

- ① certain ② instance ③ granted ④ example

問9 After hours and hours of negotiations, the robber who had broken into the bank and taken hostages finally 54 to the police.

- ① conflicted ② surrendered ③ confirmed ④ surrounded

問10 The 55 to this geometrical exercise is on the next page but don't look at it until you have tried to find the answer for yourself.

- ① edition ② relation ③ persuasion ④ solution

解答 番号	解 答 欄	解答 番号	解 答 欄	解答 番号	解 答 欄
1	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	26	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	51	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
2	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	27	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	52	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
3	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	28	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	53	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
4	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	29	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	54	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
5	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	30	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	55	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
6	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	31	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
7	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	32	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	33	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
9	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	34	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
10	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	35	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
11	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	36	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
12	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	37	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
13	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	38	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
14	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	39	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
15	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	40	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
16	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	41	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
17	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	42	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
18	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	43	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
19	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	44	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
20	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	45	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
21	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	46	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
22	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	47	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
23	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	48	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
24	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	49	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		
25	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	50	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩		