

令和 6 年度 入学者選抜試験問題

英 語

〔100 点〕
〔50 分〕

実施日：令和 5 年 12 月 7 日（木）

※ 下記の〈注意事項〉をよく読み、監督者の指示があるまで開かないこと。

〈注意事項〉

— 開始前 —

1. 試験時間は 9 : 10 ~ 10 : 00 の 50 分であり、途中退室は認めない。
2. 監督者の〈開始〉の指示があるまで、この問題冊子の中を開かないこと。
3. 解答用紙には、解答欄のほかに、受験番号・氏名の記入欄があるので、下記を参照し記入・マークすること。
 - 受験番号欄 上段に受験番号を記入し、さらにその下のマーク欄にマークすること。
 - 氏名欄 氏名・フリガナを記入すること。
4. 解答用紙に汚れがある場合には、挙手で監督者に知らせること。

— 開始後 —

1. この問題冊子は 17 ページである。確認してページの落丁・乱丁・印刷不鮮明等がある場合は、挙手で監督者に知らせること。
2. 解答は、すべて解答用紙の所定の欄へのマークによって行うこと。
例えば

| |
|----|
| 40 |
|----|

 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 40 の解答欄の ③ にマークする。

(例)

| 解答 番号 | 解 答 欄 | | | |
|----------|-------|---|---|---|
| | 1 | 2 | 3 | 4 |
| 40 | ① | ② | ● | ④ |

3. マークは HB, 2B, B の鉛筆で行い、所定欄以外にはマークしたり、記入したりしないこと。
4. 解答用紙は汚したり折り曲げたりしないように特に注意すること。
5. 訂正は、消しゴムであとが残らないように完全に消し、かすが残らないようにすること。
6. 質問等がある場合は、挙手で監督者に知らせること。ただし、問題に関する質問は受け付けない。

(問題は次のページから始まる)

問6 They dance with elegance as if they wings.

- ① can have
- ② had
- ③ have had
- ④ have

問7 I haven't finished my work yet. Can you stay home with Tom back?

- ① until I have come
- ② by I will come
- ③ by the time I will come
- ④ until I come

問8 in the front row, I was able to see the stage very well.

- ① I sat
- ② Seating
- ③ Seated
- ④ As I seated

問9 You should avoid alone in the park after dark.

- ① from sitting
- ② to sit
- ③ to sitting
- ④ sitting

問10 Emma is a funny person, isn't she? She has a car body is made of wood.

- ① whose
- ② with
- ③ which
- ④ of that

第2問 次の日本語(問1～問5)に合うように、それぞれ下のア～オの語を並べ替えた時、2番目と4番目にくる語句の組合せとして最も適切なものを選びなさい。ただし、文頭に来る語も小文字で示してある。

問1 応急処置がなかったら、患者はそんなに早く退院できなかつたらう。

11

ア it イ for ウ been エ not オ had

_____ _____ _____ the first aid, the patient could not have left hospital so early.

- | | 2番目 | 4番目 |
|---|-----|-----|
| ① | ウ | エ |
| ② | ア | ウ |
| ③ | イ | ア |
| ④ | エ | オ |

問2 私が求めているのは言い訳よりむしろ説明だ。

12

ア for excuses イ so ウ as エ much オ not

I'm asking _____ _____ _____ for explanations.

- | | 2番目 | 4番目 |
|---|-----|-----|
| ① | ア | オ |
| ② | イ | ア |
| ③ | ウ | エ |
| ④ | エ | オ |

問3 彼はいつもタオルを頭に巻いて畑仕事をする。

13

ア wrapped イ his head ウ with エ around オ a towel

He always works in the fields _____ _____ _____.

2 番目

4 番目

- | | | |
|---|---|---|
| ① | ウ | オ |
| ② | エ | ウ |
| ③ | オ | エ |
| ④ | ア | イ |

問4 私はデザイナーに古着を美しいバッグにリメイクしてもらった。

14

ア remake イ had ウ old clothes エ a designer オ into

I _____ _____ _____ a beautiful bag.

2 番目

4 番目

- | | | |
|---|---|---|
| ① | エ | ウ |
| ② | ウ | オ |
| ③ | オ | ア |
| ④ | イ | エ |

問5 川の中で光っているのが見えた石は幸運の印だったのかもしれない。

15

ア I イ the ウ saw エ shining オ stone

_____ _____ _____ in the river could have been a sign of good luck.

2 番目

4 番目

①

ア

ウ

②

イ

エ

③

ウ

イ

④

オ

ウ

(問題は次のページに続く)

第3問 次の問い（問1～問6）の会話の ～ に入る最も適切なものを、それぞれ下の①～④の中から一つずつ選びなさい。

問1

A : Thank you for your seeing me off.
B : What time will the train to Osaka leave?
A : At four. I'll arrive in Osaka at six.
B :
A : Never. I'm going to tell you my life in a new school.
B : I'm looking forward to hearing that.
A : Oh, the train has just come. I must go. See you again.
B : See you again.

- ① Don't write to me.
- ② Write to me, please.
- ③ Please don't forget writing to me.
- ④ Please don't forget to write to me.

問2

A : I saw a crying child in Nakayoshi Street yesterday. The child was a little boy.
B : What did you do when you saw him?
A : I asked him what had happened.
B : What did he say?
A :
B : He was a lost child, wasn't he?
A : Right. I looked for his mother and found her.
B : You are kind.

- ① He said, "I caught sight of my mother."
- ② He said he had caught sight of his mother.
- ③ He said, "He lost sight of his mother."
- ④ He said he had lost sight of his mother.

問3

A : I have never seen such a great zoo before.

B : This zoo is larger than any other zoo in this prefecture.

A : Wonderful. Firstly, we should go to the Australian area.

B : I agree. I have a bird I want to see there. The name is *emu.

A : Emu? What is it? I have never heard of the name.

B : It cannot fly but can run the second fastest of all the birds.

A :

B : The second fastest runner of bird. It can run at 50km/h.

*emu : エミュー (大型の鳥類)

- ① Why can it run so fast?
- ② How does it run so fast?
- ③ What was that again?
- ④ What makes it run fast?

問4

A : Hello. This is Kamome Department Store. How can I help you?

B : Hello, this is Sandy Forester speaking. I'm looking for my umbrella. I think I left it behind yesterday somewhere in the department store.

A : Do you remember which floor?

B : I'm not sure but there was a big art object in the shape of a cat. I put down my umbrella around there for taking pictures of it, I guess.

A : I see. That's on the third floor.

B : Yesterday quite a few clients left their umbrellas behind for the same reason.

A : Mine is blue with swallows painted on it and the letters S and F written on the handle.

B : The umbrella of that design has been delivered to the Lost and Found Center in the basement.

A : Thank you very much. I'm coming to pick it up as soon as possible.

- ① All the umbrellas forgotten yesterday are stored in the basement.
- ② Could you let me know what yours looks like?
- ③ Which design do you prefer for your umbrella, cats or birds?
- ④ There was no umbrella forgotten on the third floor yesterday.

問 5

A : Why are you laughing? Is there something funny?

B : I'm reading the story of a strange hero, Taro.

A : What does he do?

B : He traveled to a desert island with much food. He was a man who didn't like to share his food. He wanted to eat much alone.

A : Was he able to do so?

B : No, he wasn't.

A : Why not?

B : All of his food was in cans which he couldn't open without a tool.

| |
|----|
| 20 |
|----|

- ① He didn't have a tool to open cans.
- ② He was able to open his cans.
- ③ He had a tool to open cans.
- ④ Because there was no food on the island.

問 6

A : Good morning.

B : Hi, Kumiko. You look angry. What's wrong with you?

A : One of two pieces of cake I bought yesterday was eaten. My brother must have eaten it.

B : What kind of cake was it?

A : It was chocolate cake.

B : Don't you remember that you gave it to me? You said that you gave it to me because there were two pieces.

A : Oh, I must apologize to him because I blamed him though he denied having had it.

B :

| |
|----|
| 21 |
|----|

- ① The sooner you apologize, the better it is.
- ② Nothing is better than you apologize to me.
- ③ You should apologize sooner than any other brother.
- ④ Your brother must forgive you for your eating cake.

(問題は次のページに続く)

第4問 次の英文を読んで、後の問い(問1～問4)に答えなさい。 22 ～ 35

The development of *quantum computers that far exceed the capabilities of supercomputers has taken off around the world. It is important for Japan to *accumulate technological capabilities to (ア) compete with the rest of the world.

*RIKEN's domestically produced quantum computer is now operational. Although there was a previous case of IBM Corp. *installing a quantum computer in Japan, (イ) this is the first time a domestically produced one has been put into operation. This is a big step forward for Japan, which is chasing the United States and China that are advancing in this regard.

Quantum computers use *quantum mechanics, which works in the *microscopic world, and their calculation speed is an *order of magnitude faster. Industries have been using supercomputers to search for substances that are candidates for new drugs and materials. The practical application of quantum computers is expected to *accelerate this kind of research and development. In the future, the use of quantum computers will (ウ) spread to a wide range of fields such as finance and *logistics, and they are 22 to become an *innovative technology that will change society and industry.

It is said that quantum technology can also be used to realize *encrypted communications that are impossible for a third party to *intercept. Other countries are focusing on the development of domestically produced technology for such security reasons. This domestically produced computer was developed by RIKEN, Fujitsu Ltd. and others. Osaka University, NTT Corp. and others have cooperated to develop a system that can be used by outside researchers and others via the internet. Google LLC and other companies are spending huge sums of money to *corral human resources and are (エ) rapidly advancing the development of quantum computers. 23 Japan to compete, the power of research institutes, universities and industry must be concentrated under the leadership of RIKEN, (オ) which will serve as the *command post.

However, quantum computer technology is still in its *infancy. RIKEN is also working on several types of quantum computers in parallel with this system, and it is 24 which one will be the most promising and become the

*mainstream version in the future. In addition to the production of *quantum bits, or qubits, the basic unit responsible for calculations, it is necessary to accumulate various technologies and know-how, including software development and *wiring methods for *extracting information. First of all, it is vital to have a variety of researchers use the domestically produced computer to identify issues and make improvements.

Japanese manufacturers were 25 in the early research of qubits, but this has *tapered off partly due to funding difficulties. On the other hand, the United States and China have *embarked on large-scale investments and are *currently ahead of Japan. It is said that a million bits are needed to put a quantum computer to practical use, but the performance of the domestically produced computer is currently only 64 bits. The development race is 26 to take a long time. It is hoped that Japan will lead the world by building a strong research and development system.

2023年4月6日【The Japan News】掲載
「EDITORIAL / 1st step for Japan in joining global competition」

- (注) *quantum : 量子 *accumulate : 蓄積する *RIKEN : 理研
*install : 設置する *quantum mechanics : 量子力学
*microscopic : ミクロの *order of magnitude faster : 桁違いの速さ
*accelerate : 加速する *logistics : 物流 *innovative : 革新的な
*encrypt : 暗号化する *intercept : 盗み見る *corral : 囲い込む
*command post : 司令塔 *infancy : 初期段階 *mainstream : 主流の
*quantum bits, or qubits : 量子ビット *wiring methods : 配線方法
*extract : 引き出す *taper off : 次第に減少する *embark : はじめる
*currently : 現在のところ

問1 英文中の空所 **22** ~ **26** に入る最も適切なものを、それぞれ下の①~④の中から一つずつ選びなさい。

22

- ① hard ② necessary ③ difficult ④ likely

23

- ① For ② From ③ On ④ In

24

- ① certain ② hoped ③ unclear ④ required

25

- ① complex ② ahead ③ short ④ severe

26

- ① expected ② neglected ③ asked ④ doubted

問2 下線部（ア）～（ウ）の意味に最も近いものを，それぞれ下の①～④の中から一つずつ選びなさい。 27 ～ 29

（ア） compete

27

- ① deal
- ② save
- ③ confess
- ④ fight

（イ） spread

28

- ① extend
- ② apply
- ③ contribute
- ④ adjust

（ウ） rapidly

29

- ① hardly
- ② suddenly
- ③ quickly
- ④ gradually

問3 二重下線部（1）・（2）の内容を表すのに最も適切なものを，それぞれ下の①～④の中から一つずつ選びなさい。 30， 31

（1） this

30

- ① the development of quantum computers
- ② the rest of the world
- ③ RIKEN's domestically produced quantum computer being operational
- ④ a previous case of IBM Corp. installing a quantum computer

（2） which

31

- ① research institutes
- ② universities and industry
- ③ the leadership
- ④ RIKEN

問4 本文の内容に合うように、次の(A)～(D)の ～ に入る最も適切なものを、それぞれ下の①～④の中から一つずつ選びなさい。

(A) Quantum computers use quantum mechanics .

- ① working in the microscopic world
- ② using supercomputers to search for substances
- ③ chasing the United States and China
- ④ installing a quantum computer in Japan

(B) Quantum computer technology .

- ① is currently ahead of Japan
- ② isn't perfect yet
- ③ is out of date
- ④ identifies issues and make improvements

(C) The United States and China , and they are currently ahead of Japan.

- ① targeted Japan in unity
- ② developed a quantum computer together
- ③ built a strong research and development system
- ④ began to make huge investments

(D) The author hopes that .

- ① Japan will follow the United States and China in the field of quantum computers
- ② Japan will lead the world in quantum computer technology by building a strong research and development system
- ③ Japan will unite with the United States and China in quantum computer technology
- ④ Japan will accumulate various technologies and know-how

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