

2024年度 一般選抜問題
前期A日程 2024年1月20日(土)

英語

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. 英語の解答には「**数学・基礎理科以外**」(赤色)の解答用紙を使用してください。
3. 試験開始後、解答用紙に受験番号と名前を必ず記入し、受験番号をマークしてください。数学以外の科目については、解答する科目を選び、科目の右にマークしてください。また解答科目欄に科目名を記入してください。正しくマークされていない場合は0点となります。
4. 解答はすべて解答用紙の解答欄にマークしてください。
5. 試験開始後、問題用紙・解答用紙に落丁・損傷がないか確認してください。
6. 試験終了後、問題用紙は持ち帰ってください。

英 語

1 次の問い（A～D）に答えなさい。

A 次の問1～問5の空欄 1 ～ 5 に入れるのに最も適当なものを、それぞれ下の①～④から一つずつ選び、番号で答えなさい。

問1 This building is twenty 1 high and was built five years ago.

- ① bottoms ② lines ③ news ④ stories

問2 Ken will 2 by us no matter what happens.

- ① help ② stand ③ take ④ get

問3 I was 3 to leave when my brother ran into the room.

- ① about ② already ③ just ④ time

問4 I heard my father 4 an old song downstairs.

- ① sings ② sung ③ singing ④ to sing

問5 The musical event will 5 if it rains tomorrow.

- ① put off ② putting off ③ be put off ④ be putting off

B 次の問1～問3の下線部のうち、間違いを含むものを、それぞれの①～④から一つずつ選び、番号で答えなさい。

問1 The house ①where Gary inherited from his grandmother, ②who passed away last year, was far from the city. He left his law firm three years ago, and he ③had not found another job before he learned ④what was in his grandmother's will. 6

問2 The 30 students on the internship ①will be divided into groups of five. The project leader wants ②them to do some simple jobs that employees normally do. They will ③be asked to complete each of ④the assigned task within a week. 7

問3 It is a major problem for elderly people ①living in rural areas that there is not adequate access to medical services. Fortunately, online services ②are relatively widespread in this district. ③You are possible to see a doctor at home, have a prescription ④issued, and pick up your medicine at a dispensary in your neighborhood. 8

C 次の会話について、下線部(1), (2)の中で最も強調して発音されるものを、それぞれ下の①～④から一つずつ選び、番号で答えなさい。

(状況) ホテルの受付と Alyson が話をしている。

Clerk : Good morning. How may I help you?

Alyson : Good morning. (1) I was going to check out tomorrow, but I'd like to stay here one more night.

Clerk : May I have your name and room number, please?

Alyson : I'm Alyson Baker and my room number is 507.

Clerk : Let me check (2) Yes, we do have some rooms available, but you'll have to move because your room has been reserved.

Alyson : No problem with that. Which rooms are available?

Clerk : How about Room 1120? The room is on the top floor of the annex and you can enjoy a wonderful view of the ocean.

Alyson : That'll be great! Thank you.

問1 下線部(1)

- ① check out ② tomorrow ③ stay ④ one more

問2 下線部(2)

- ① have to ② move ③ your room ④ reserved

D 次の問1, 問2の会話の空欄 , に入れるのに最も適当なものを、それぞれ下の①～④から一つずつ選び、番号で答えなさい。

問1 Boy : Have you seen my bike key, mom?

Mother :

Boy : In the box on the shelf, but it's not there.

- ① I saw it in the box a few minutes ago.
② Isn't it on the shelf?
③ Oh, I put it in your pocket.
④ Where do you usually keep it?

問2 Woman : Excuse me, I'm looking for the newest book in "The Windy Island" series.

Man : Please let me quickly check.

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Woman : I see. Can I pre-order the book?

Man : Certainly. Please fill out this form.

- ① The novel section is over there.
- ② Have you already read it?
- ③ It will come out next Monday.
- ④ I will explain the story of that novel.

2 次の問1～問5の英文を完成させるために、それぞれ下の語(句)を正しく並べ替えたとき、空欄 13 ～ 22 にあたる語(句)を番号で答えなさい。ただし、不要な語(句)が一つずつ含まれている。

問1 I finally found the book _____ 13 _____ 14 _____ .

- ① who ② for ③ had
④ been ⑤ I ⑥ looking

問2 Judy waited for the bus for one hour, but eventually 15 _____ 16 _____
_____ _____ waiting and walk home.

- ① but ② help ③ couldn't
④ give ⑤ would ⑥ up

問3 Lisa _____ 17 _____ 18 _____ a man carrying a large case could pass
through.

- ① that ② the door ③ be
④ open ⑤ so ⑥ kept

問4 I 19 _____ 20 _____ _____ out my plan by myself.

- ① carry ② it ③ to
④ found ⑤ that ⑥ difficult

問5 Never _____ 21 _____ 22 _____ work of art.

- ① seen ② such ③ have
④ when ⑤ I ⑥ a creative

3 次の文章を読み、問1～問5の空欄 23 ～ 27 に入れるのに最も適当なものを、それぞれ下の①～④から一つずつ選び、番号で答えなさい。

Tadashi is exchanging messages with Katy, a staff member at a travel agency.

[An e-mail from Katy Jones to Tadashi Arita]

Thank you for signing up for our trip to Elmo Island. Please look at the list of activities which you can enjoy on the island.

I have also attached a coupon code to this e-mail. If you download the code to your smartphone and show it to our staff, you will receive a \$10 discount on activities marked with ★. If you have any questions, please feel free to ask.

Activity list on Elmo Island

Activity	Fee	Features
Scuba diving★	\$90	Experience diving in the sea in front of the Elmo Hotel.
Kayaking	\$40	Enjoy kayaking down the river from Cole Park to the Elmo Hotel.
Photo tour★	\$60 (*1)	Ride a bicycle around the photo spots of the island from the Elmo Hotel.
Dinner show	\$80 (*2)	Held at the Elmo Hotel; enjoy seafood, the traditional music and dance of the island.
Concert	\$60	Held at Courtney Theater; Eliza Murphy, a popular singer throughout the United States and from Elmo Island, will sing.

*1: \$40 will be added if you bring your own photographer.

*2: You will get a \$20 discount if you are staying at the Elmo Hotel. (Dinner in the restaurant can be changed to going to the dinner show.)

[The reply from Tadashi to Katy]

Thanks for sending me the list. Elmo Island is famous for its beautiful nature and I would like to enjoy it! I have a few questions.

1. We do not all have diving licenses; can we try scuba diving?
2. Regarding the kayaking, Cole Park seems to be far from the Elmo Hotel, where we will be staying, so please let me know how we can get there.
3. Taking photos is one of my hobbies, and I am interested in the photo tour. If it rains, will the tour be cancelled?
4. Thank you for sending the coupon code. If there are any other discounts available, please let me know.

[The answers from Katy to Tadashi]

Thank you for your questions. Here are the answers.

1. Yes. Our instructors will help you, so you can enjoy diving even if you are beginners.

2. Maybe there is no public transportation from the hotel to the park. It costs about \$20 one way by taxi. Rental cars are available for \$40 per day.
3. Since you will travel by bicycle for several hours, it will be cancelled in case of rain (You'll get a refund). However, it rains only about three days a month on the island in July, so you rarely have to worry about rainy weather.
4. I've heard that someone in your group has stayed at the Elmo Hotel before, so please let us know their name and e-mail address. We will send you another coupon code for a \$5 discount at almost every restaurant on Elmo Island.

問 1 How much will it cost per person if Tadashi and his friends want to enjoy watching the traditional dance of Elmo Island?

- ① 40 dollars ② 60 dollars ③ 80 dollars ④ 90 dollars

問 2 Tadashi and his friends are looking for an activity that costs less than \$55 all together per person. They will choose .

- ① scuba diving ② the photo tour ③ the dinner show ④ the concert

問 3 To get a \$5 discount at restaurants on the island, Tadashi will .

- ① let Katy know the member's name and e-mail address
② show his smartphone screen to the staff
③ download a coupon code to his smartphone
④ have Katy send him the coupon code

問 4 According to the e-mails, one fact (not an opinion) is that .

- ① luckily, it rarely rains on Elmo Island in July
② people on Elmo Island are proud of Eliza Murphy
③ someone in Tadashi's group does not have a diving license
④ even beginners will enjoy the diving experience

問 5 According to the e-mails, one opinion (not a fact) is that .

- ① photo tours are not held if it rains
② Tadashi's friend has stayed at the Elmo Hotel before
③ Tadashi writes that photography is his hobby
④ Cole Park is far from the Elmo Hotel and it's recommended that you go there by car

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次の文章を読み、問い（A～E）に答えなさい。なお、*のついた語(句)は後に注がある。

Scientists have raised the idea of a “Jurassic Park” rebirth of dinosaurs after extracting, or removing, what looks like *blood vessels and intact (undamaged) cells from a *Tyrannosaurus rex*.

The well preserved fossil skeleton of the *T-rex that scientists are researching was unearthed in 2003 from Hell Creek, Montana, in the U.S. When the researchers analyzed one of its thigh bones, broken during its recovery, they found a flexible, *stretchy material with what appeared to be transparent and hollow blood vessels inside it. The vessels *branched like real blood vessels, and some held cell-like structures. Mary Schweitzer, from North Carolina State University in Raleigh, who led the team, told the journal *Science*: “It was totally shocking. I didn’t believe it until we’d (1)done it 17 times.”

Tests on the 70-million-year-old samples continue, but the U.S. scientists have not ruled out the possibility of extracting DNA. The extraction of DNA was the starting point for the cloning of dinosaurs in Michael Crichton’s bestseller “Jurassic Park,” (ア) was the basis for Steven Spielberg’s hit film of the same name.

The blood vessels were similar to the blood vessels of modern-day birds. In appearance, they closely resembled the vessels from the bones of present-day ostriches, the scientists said. Many of these blood vessels contained red and brown structures that looked like cells. Within these cell-like structures, the team discovered smaller objects similar in size to the *nuclei of blood cells in modern birds.

Their next step is to examine the soft tissue found inside the bone; it might be original T-rex material. (イ), it could be that the proteins from the original T-rex have been replaced by other chemicals over the centuries. Scientists have previously recovered intact cells trapped in 225-million-year-old *amber, only to find the nuclei had been replaced with other substances over the years.

Dr Schweitzer’s group said they had identified some protein fragments that still responded to tests.

(2)Other experts were hopeful. In the UK, David Martill, a biochemist at the University of Portsmouth, said: “There’s (3){①a ②be ③chance ④may ⑤reasonable ⑥that ⑦there} intact proteins.” He speculated that it might even be possible to extract DNA, but no one knows for sure whether it will be possible.

Lawrence Witmer, a *paleontologist at Ohio University’s college of *osteopathic medicine, agreed: “If we have tissues that are not fossilized, then we can potentially extract DNA. It’s very exciting.”

If the cells do contain original biological material, the scientists would be able to investigate everything from dinosaur *physiology to how the creatures evolved into birds.

Cloning a T-rex would be far more difficult. Current techniques need hundreds of nuclei from living cells, said Duane Kraemer, a cloning expert at Texas A&M University, who leads

a project called Noah's Ark, which stores tissue samples from animals facing extinction, such as pandas and the desert bighorn sheep. Any dinosaur DNA remaining in the cells would probably be damaged or degraded, making it impossible to use for cloning.

From *T-Rex Could Bring Jurassic Park to Life: Scientists say dinosaur cloning possible from DNA in Well Read 3 Skills and Strategies for Reading* by David Adam, Oxford University Press, 2008.

(注) blood vessel 「血管」 T-rex(=Tyrannosaurus rex)「ティラノサウルス・レックス(北アメリカ大陸に生息していた肉食恐竜)」 stretchy 「伸縮性のある」 branch 「枝状に広がる」
nuclei 「nucleus (細胞核) の複数形」 amber 「琥珀(天然樹脂の化石)」
paleontologist 「古生物学者」 osteopathic medicine 「整骨医学」 physiology 「生理学」

A 下線部(1)の内容として最も適当なものを、次の①～④から一つ選び、番号で答えなさい。

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- ① published the experiments in the journal ② analyzed a T-rex bone
③ tried to believe what was surprising ④ denied the existence of DNA

B 文中の(ア)、(イ)に入れるのに最も適当な語(句)を、次の①～④から一つずつ選び、番号で答えなさい。

(ア) 29

- ① which ② where ③ that ④ when

(イ) 30

- ① For instance ② Therefore ③ However ④ Above all

C 下線部(2)について、本文の記述に最も合うものを、次の①～④から一つ選び、番号で答えなさい。

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- ① Scientists said that it is now possible to clone dinosaurs without extracting DNA.
② One scientist believed that it might be possible to extract DNA from undamaged proteins.
③ One scientist said that even fossilized tissues might give him a chance to extract DNA.
④ One cloning expert believed that it might be possible to use degraded cells for cloning.

D 下線部(3)の { } 内の語を意味が通るように並べ替えたとき、4番目にくる語は①～⑦のうちどれか。番号で答えなさい。

E 本文の内容と合っているものを、次の①～⑧から三つ選び、番号で答えなさい。ただし、解答の順序は問わない。 ～

- ① Scientists thought it might be possible to clone a dinosaur by using its undamaged cells.
- ② Mary Schweitzer was shocked when she was not successful in recovering T-rex cells.
- ③ Success in extracting T-rex DNA will not lead to being able to clone the dinosaur.
- ④ The bones of the T-rex were found to be very similar to those of present-day birds.
- ⑤ It is suspected that the tissue of the T-rex bone might have been damaged.
- ⑥ David Martill was pessimistic about finding undamaged proteins in the T-rex bone.
- ⑦ Lawrence Witmer said they might successfully extract DNA even from fossilized tissues.
- ⑧ Cloning a T-rex has a lot of problems to overcome and it needs quite a number of nuclei.