

令和5年度 入学者選抜試験問題

英 語

実施日時：令和5年1月19日（木） 10：15～11：05

*下記の〈注意事項〉をよく読み、監督者の指示を待ちなさい。

〈注意事項〉

— 開始前 —

1. 監督者の〈開始〉の指示があるまで、この問題冊子の中を開けない。
2. 解答用紙には、解答欄のほかに下記2つの記入欄がある。その説明と解答用紙の「注意事項」を読み、2項目の全てに記入またはマークする。
 - ・受験番号欄 上段に受験番号を記入し、下欄にマークする。
 - ・氏名欄 氏名・フリガナを記入する。
3. 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。
4. この表紙の受験番号欄に受験番号を記入する。

— 開始後 —

1. 問題は2ページから10ページまでの各ページに印刷されており、第1問～第3問の3題で構成されている。
開始後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。
2. 解答は全て解答用紙の所定の欄へのマークによって行う。たとえば、

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| 1 |
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と表示のある問いに対して2と解答する場合は、次の〈例〉のように解答番号1の解答欄②をマークする。

〈例〉

| 1 | 解 答 欄 | | | | | | | | | |
|---|-------|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| 1 | ① | ● | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | ⑩ |

3. マークする際はHBの鉛筆でマーク欄を適切にマークすること。
4. 質問等がある場合は、挙手で監督者に知らせる。
5. 試験開始後の途中退室はできない。

受験番号

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(問題は次のページから始まる)

第 1 問 次の英文を読んで、後の問い（問 1～問 8）に答えなさい。（配点 50 点）

A new study has found that *elephant seals have to work very hard to stay fat.

(i)The research represents the most (a)complete study *to date of the feeding (1) of northern elephant seals. Scientists paid special attention to females of the species during difficult two-month trips, or *migrations, in the northeastern Pacific Ocean.

The seals were (2) to spend up to 20 hours every day - and sometimes a full 24 hours - in continuous deep-diving to feed on fish. They fed 1,000 to 2,000 times daily to gain the body fat necessary for *reproduction and warmth in the cold waters.

Taiki Adachi of the University of St Andrews in Scotland led the study, (3) recently (b)appeared in the journal *Science Advances*.

“It is not easy to get fat,” Adachi said.

Researchers studied 48 female elephant seals from Año Nuevo State Park in California as they traveled large ocean distances. Their entire trip was around 6,000 kilometers.

Scientists (P)[①their findings ②in ③based ④data collected ⑤on] 2011 and 2018. (X)They used three small removable devices.

One device, attached under the *jaw, (c)counted the number of times the seals fed and measured their depth. A second satellite-linked device, attached to the head, followed the seals’ ocean movements. (ii)The third device was a “smart” video camera with an *infra-red LED light and another depth sensor. It was also attached to the head.

Elephant seals get their name from the large noses of the males. These noses look (4) an elephant’s *trunk. There are two species - the northern elephant seal and the slightly larger southern elephant seal. The two are the world’s biggest seals and the largest ocean mammals (5) than whales.

Male northern elephant seals can grow up to 4 meters long and weigh up to 2,000 kilograms. Females are smaller, getting up to about 3 meters in length and 590 kilograms. The males feed only in coastal waters.

Some large marine mammals depend on deep dives to get enough food to support their large bodies. *Sperm whales, for example, hunt for large prey like *giant squid.

Female elephant seals -- which are large, but not as big as sperm whales -- have a different solution. They eat huge amounts of small fish. But it is difficult for (Y)them to catch enough small fish to meet the energy needs of their large bodies.

Adachi said about the female elephant seals:

“They (d)continuously dive, for long periods of time - 20 minutes on average and about 100 minutes at maximum - and deep - 500 meters on average and about 1,500 meters at maximum - with only a few minutes breathing at the surface.”

Adachi noted that the seals do not come back to land for their two-month trip, or migration. “The sleeping hours in at-sea animals is not fully understood. But, based on our record of extreme foraging, their available (Q)[①sleeping ②be ③should ④for ⑤time] less than 20 percent of the day,” he added.

Foraging is a (e)term that means looking for food.

Northern elephant seals live on the Pacific coast of the United States, Canada and Mexico. They generally give birth in California and Baja California, usually on *offshore islands, from December to March. During their *mating season, they do not eat. During this period they lose about a third of their body weight.

(出典 Elephant Seals Do a Lot of Work to Stay Fat, *VOA Learning English*)

(注)

*elephant seal : ゾウアザラシ *to date : 現在までの *migration : 回遊
*reproduction : 繁殖 *jaw : あご *infra-red : 赤外線 *trunk : (ゾウの) 鼻
*sperm whale : マッコウクジラ *giant squid : ダイオウイカ *offshore : 沖合の
*mating season : 繁殖期

問1 下線部(a)~(e)の意味として最も適当なものを、次の①~④の中から一つずつ選びなさい。

(配点 各2点)

- (a) complete
① simple ② general ③ perfect ④ minor
- (b) appeared
① was invented ② was published
③ was reminded ④ was refused
- (c) counted
① confused ② consisted ③ compared ④ calculated
- (d) continuously
① without stopping ② on and off
③ in haste ④ by and large
- (e) term
① purpose ② vehicle ③ period ④ word

問2 空所(1) ~ (5)に入れるものとして最も適当なものを、次の①~④の中から一つずつ選びなさい。

(配点 各2点)

(1)

- ① trouble ② behavior ③ disease ④ climate

(2)

- ① find ② finding ③ found ④ to found

(3)

- ① which ② whose ③ whom ④ how

(4)

- ① on ② to ③ at ④ like

(5)

- ① any ② each ③ other ④ either

問3 下線部(X)(Y)の内容として最も適当なものを、次の①~④の中から一つずつ選びなさい。

(配点 各3点)

(X) They

- ① 48 female elephant seals
② scientists
③ distances
④ devices

(Y) them

- ① female elephant seals
② sperm whales
③ small fish
④ energy needs

問4 下線部(P)[①their findings ②in ③based ④data collected ⑤on] の [] 内の語(句)を並べかえて正しい英文にすると、4番目にくる語(句)を、次の①～⑤の中から一つ選びなさい。 13

(配点 3点)

- ① their findings ② in ③ based
④ data collected ⑤ on

問5 下線部(Q)[①sleeping ②be ③should ④for ⑤time] の [] 内の語を並べかえて正しい英文にすると、4番目にくる語を、次の①～⑤の中から一つ選びなさい。

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(配点 3点)

- ① sleeping ② be ③ should ④ for ⑤ time

問6 下線部(i)The research の説明として最も適当なものを、次の①～④の中から一つ選びなさい。 15

(配点 3点)

- ① この研究の主目的は、キタゾウアザラシの生息数を把握することだった。
② この研究は、毎日最大20時間2か月間にわたって行われた。
③ この研究で、研究者はキタゾウアザラシのメスに特に着目した。
④ この研究で、キタゾウアザラシがダイオウイカをえさにすることがわかった。

問7 下線部(ii)The third device の説明として本文に書かれていないものを、次の①～④の中から一つ選びなさい。 16

(配点 3点)

- ① アザラシの頭部につけられた。
② 深度を計るセンサーがある。
③ 赤外線LEDライトがついている。
④ アザラシの体温を記録できる。

問8 本文の内容に合うように、(1)~(3)の英文の空所を補うものとして最も適当なものを、次の①~④の中から一つずつ選びなさい。

(配点 各4点)

(1) According to the new study, (). 17

- ① elephant seals gain weight easily, so they need to be moving all the time
- ② elephant seals can swim 1,500 meters in 20 minutes
- ③ elephant seals sometimes swim all day without sleeping in order to feed
- ④ elephant seals most often eat large fish

(2) In this study, (). 18

- ① scientists fed elephant seals 1,000 to 2,000 times daily
- ② scientists studied more than 50 elephant seals
- ③ scientists observed where elephant seals were migrating
- ④ scientists attached only two devices to elephant seals

(3) What we can learn about elephant seals from this article is that ().

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- ① male elephant seals are not as large as female elephant seals
- ② they mainly live in the Atlantic coast of North America
- ③ they have little body fat, so it is easier for them to keep their bodies warm
- ④ the name elephant seal is related to the large nose of the male

第2問 次の英会話文の空所（ 1 ）～（ 5 ）に入れるものとして最も適当なものを、
後の①～④の中から一つずつ選びなさい。（E=Emma, J=Jiro）

（配点 30 点（各 6 点））

E : I know tomorrow is Friday, but could you come home early?

J : Okay, but why?

E : Because your parents are planning to come to our house on Saturday, I need your help cleaning up.

J : Oh, actually, my father called me today and said they can't come after all. （ 1 ）

E : That's too bad. Is she all right?

J : Yes, she has a runny nose, but she'll get better soon. So, now that we have no plans, what shall we do on Saturday?

E : （ 2 ） Right now, there is a special exhibition of Mexican paintings.

J : Sorry, but I don't really want to go there. That exhibition doesn't sound very interesting to me.

E : Okay, no problem. What do you want to do instead?

J : I don't think we've been getting enough exercise lately. So, how about doing something active for our health?

E : Sure. Maybe we can play tennis in the park.

J : （ 3 ）

E : Well, in that case, let's go bowling.

J : Sounds good. It's been a long time since I last went bowling.

E : Me, too. You're good at bowling, aren't you?

J : Not that good, but I like it. I used to be in the bowling club when I was in school.

E : （ 4 ）

J : My club used to go to a nice bowling alley in Shinjuku.

E : Then, let's go to that bowling alley on Saturday and go out for dinner afterward. What restaurant should we go to?

J : （ 5 ） There is a nice Japanese restaurant near the bowling alley.

E : That sounds great. I also want to have Japanese food.

J : Perfect. But let's try not to eat too much. We've both been gaining weight lately!

(1)

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- ① My mother caught a cold.
- ② My mother was in a car accident.
- ③ My mother said she would bring us a delicious cake.
- ④ My mother is very busy at work right now.

(2)

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- ① I want to go to the aquarium.
- ② Let's take a rest at home.
- ③ How about going to the museum?
- ④ Let's go to the amusement park and ride a roller coaster.

(3)

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- ① I'll call to see if the courts are open.
- ② The weather forecast says it will rain on Saturday.
- ③ Tennis is really an exciting sport.
- ④ I have an injury to my arm.

(4)

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- ① What is your highest score?
- ② How long have you been bowling?
- ③ What do you like about bowling?
- ④ Where did you go bowling?

(5)

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- ① All-you-can-eat pizza is good.
- ② I'd rather have beefsteak than *sukiyaki*.
- ③ I think I'll want to eat *okonomiyaki*.
- ④ I'll make *oyakodon* at home.

第3問 次の英文（問1～問10）の空所に入れるものとして最も適当なものを、後の①～④の中から一つずつ選びなさい。（配点20点（各2点））

問1 My mother prefers fish dishes meat dishes.

- ① to ② than ③ on ④ by

問2 it rains, the school entrance ceremony will be held on the school grounds.

- ① Since ② Because ③ Unless ④ If

問3 Both my sister and I interested in traditional Canadian culture.

- ① is ② are ③ am ④ be

問4 The boy narrowly escaped over by the bus.

- ① to be run ② being run
③ to run ④ running

問5 It is high time you to bed.

- ① went ② to go ③ going ④ will go

問6 Ellen saw a cat on the roof of her house.

- ① to walk ② walked ③ walking ④ to walking

問7 Mr. Brown seems the criminal in the case.

- ① having known ② to have known
③ knowing ④ having knew

問8 I will my girlfriend's father at the restaurant next week.

- ① be meet ② be meeting ③ meeting ④ be to meeting

問9 We can't put up her idleness any longer.

- ① with ② on ③ to ④ at

問10 My parents objected to my Jim.

- ① marry ② marrying with
③ marry with ④ marrying

英語B【解答】

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| | | | | 氏名 | |

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第1問 (配点50点)

| | 問1 | | | | |
|----|----|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 |
| 解答 | ③ | ② | ④ | ① | ④ |
| 配点 | 2 | 2 | 2 | 2 | 2 |

| | 問2 | | | | |
|----|----|---|---|---|----|
| | 6 | 7 | 8 | 9 | 10 |
| 解答 | ② | ③ | ① | ④ | ③ |
| 配点 | 2 | 2 | 2 | 2 | 2 |

| | 問3 | | 問4 | 問5 | 問6 | 問7 |
|----|----|----|----|----|----|----|
| | 11 | 12 | 13 | 14 | 15 | 16 |
| 解答 | ② | ① | ④ | ③ | ③ | ④ |
| 配点 | 3 | 3 | 3 | 3 | 3 | 3 |

| | 問8 | | |
|----|----|----|----|
| | 17 | 18 | 19 |
| 解答 | ③ | ③ | ④ |
| 配点 | 4 | 4 | 4 |

第2問 (配点30点)

| | 20 | 21 | 22 | 23 | 24 |
|----|----|----|----|----|----|
| 解答 | ① | ③ | ② | ④ | ③ |
| 配点 | 6 | 6 | 6 | 6 | 6 |

第3問 (配点20点)

| | 25 | 26 | 27 | 28 | 29 |
|----|----|----|----|----|----|
| 解答 | ① | ③ | ② | ② | ① |
| 配点 | 2 | 2 | 2 | 2 | 2 |

| | 30 | 31 | 32 | 33 | 34 |
|----|----|----|----|----|----|
| 解答 | ③ | ② | ② | ① | ④ |
| 配点 | 2 | 2 | 2 | 2 | 2 |