

I 次の各問いに答えなさい。

(1) 次の各文の空欄に入る語(句)として最も適切なものを、それぞれ①～④の中から1つ選びなさい。

(ア) I want to think in a () place. 解答番号 1

- ① quick ② quit ③ quiet ④ quite

(イ) I'm going to () two books from the school library tomorrow.
解答番号 2

- ① borrow ② lend ③ blow ④ return

(ウ) I had a terrible toothache, so I went to the () yesterday.
解答番号 3

- ① scientist ② dentist ③ musician ④ lawyer

(エ) How () does it take to get there? 解答番号 4

- ① far ② tall ③ old ④ long

(オ) He caught the ball and () it back at once. 解答番号 5

- ① thrown ② threw ③ throw ④ throwing

(カ) Usually she keeps her room at a () of 20°C. 解答番号 6

- ① electricity ② pressure ③ temperature ④ volume

(キ) She began to () about the poor service. 解答番号 7

- ① complain ② celebrate ③ criticize ④ request

(ク) My brother majored in () Greek history at university.

解答番号 **8**

- ① gentle ② impossible ③ stupid ④ ancient

(2) 次の各文の空欄に入る語(句)として最も適切なものを、それぞれ①～④の中から1つ選びなさい。

(ア) This is the house () he lived in his childhood.

解答番号 **9**

- ① who ② whose ③ when ④ where

(イ) I'm satisfied () the result.

解答番号 **10**

- ① with ② during ③ to ④ of

(ウ) When we arrived at the station, the train () ten minutes earlier.

解答番号 **11**

- ① was leaving ② left ③ has left ④ had left

(エ) He met a friend of () this morning.

解答番号 **12**

- ① my ② mine ③ another ④ own myself

(オ) He gained () experience in that field.

解答番号 **13**

- ① many ② a number of ③ a lot of ④ quite a few

(3) 次の各文の空欄に入る語(句)として最も適切なものを、それぞれ①～④の中から1つ選びなさい。

(ア) I'm looking forward () again.

解答番号 **14**

- ① to see you ② to seeing you ③ you to see ④ for you to see

(イ) If () were not for his help, we couldn't do it. 解答番号 **15**

- ① it ② we ③ there ④ nothing

(ウ) Generally (), the students at our school are smart.

解答番号 **16**

- ① has spoken ② to speak ③ spoken ④ speaking

(エ) This picture reminds me () my childhood. 解答番号 **17**

- ① for ② of ③ at ④ with

(4) 次の各文のカッコ内の語句を文意が通じるように並べ替えたものとして最も適切なものを、あとの①～④の中から1つ選びなさい。

(ア) Can you (in / make / understood /yourself) English ? 解答番号 **18**

- ① yourself make in understood
② yourself understood in make
③ make yourself understood in
④ make understood in yourself

(イ) He has (as / as / books / many /three / times) I do. 解答番号 **19**

- ① as many times as three books
② as many books as three times
③ three times as many books as
④ many three books as times as

(ウ) I didn't (do / know /next /to / what) .

解答番号

20

- ① know to do what next
- ② know what to do next
- ③ do know what to next
- ④ know next to what do

(エ) There (a / be / school / to / used) around here.

解答番号

21

- ① a school to be used
- ② a school be used to
- ③ be used to a school
- ④ used to be a school

(5) 次のそれぞれの会話文の空欄（下線部）に入る表現として最も適切なものを、あとの①～④の中から1つ選びなさい。

(ア) A: Excuse me, can you tell me the way to the station?

B: I'm sorry, but _____

解答番号

22

- ① I'm a stranger here.
- ② it's five minutes' walk.
- ③ that's great!
- ④ show me another one.

(イ) [店内にて]

A: How can I help you?

B: Thank you. I'm looking for a cap.

A: _____

解答番号

23

- ① May I try it on?
- ② Turn right at the second corner. Then you will see the post office on your left.
- ③ How about this one?
- ④ I'm sorry, but he is out now.

(ウ) A: Would you like another cup of coffee?

B: _____

解答番号

24

- ① Yes, please.
- ② Make yourself at home.
- ③ Have a nice day.
- ④ Me, too.

Ⅱ 次の英文を読んであとの問いに答えなさい。

Japanese scientists from Kyushu University have discovered why some cats have three colors - orange, black, and white. These cats are called calico cats*, or "mike neko" in Japan. The research team found that a gene* called ARHGAP36 controls cat colors. This gene is on the X chromosome*. When part of this gene is missing, the cat's fur becomes orange. When the gene is complete, the fur becomes black. Scientists knew for 120 years that almost all calico cats are female. They also knew that the color comes from X chromosomes, but nobody knew which gene caused the colors until now.

Professor Hiroyuki Sasaki led the research team. "I love cats, so I wanted to solve this mystery," he said. The team collected more than ¥10 million from 600 people through crowdfunding* to support the research. American scientists from Stanford University found the same gene at the same time, proving the discovery is correct.

Most calico cats are female because they have two X chromosomes. Male cats usually have one X and one Y chromosome*, so they are mostly orange. Male calico cats are very rare, but they appear when a cat has two X chromosomes and one Y chromosome. The white color in cats comes from a different gene.

This discovery helps us understand how cat colors work.

(注) calico cat 三毛猫

gene 遺伝子

X chromosome X 染色体

crowdfunding クラウドファンディング (インターネット上などで不特定多数の人々から少額ずつ資金を調達すること)

Y chromosome Y 染色体

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(<https://www.japantimes.co.jp/news/2025/05/16/japan/science-health/calico-cat-colorsgene/>)

※入学試験問題用に、文・単語を一部改変しています。

(1) What did scientists from Kyushu University discover? 解答番号

25

- ① A medicine for cats.
- ② How cats can run fast.
- ③ Why some cats have three colors.
- ④ Why cats like fish.

(2) What happens when part of the ARHGAP36 gene is missing? 解答番号

26

- ① The cat's fur becomes orange.
- ② The cat's fur becomes white.
- ③ The cat's fur becomes brown.
- ④ The cat's fur becomes gray.

(3) What happens when the ARHGAP36 gene is complete? 解答番号

27

- ① The fur is orange.
- ② The fur is yellow.
- ③ The fur is white.
- ④ The fur is black.

(4) How many people gave money to the team? 解答番号

28

- ① 60
- ② 60,000
- ③ 6,000
- ④ 600

(5) Why are most calico cats female? 解答番号

29

- ① They eat more food.
- ② They have two X chromosomes.
- ③ They are smaller than males.
- ④ They live longer.