

2021 年度(令和 3 年度)

前 期 日 程

英 語 (80 分)

注 意 事 項

1. 試験開始の合図があるまで、この問題冊子を開いてはいけません。
2. 問題冊子は、1 ページから 17 ページまであります。解答用紙は、2 枚からなっており、「1」はマーク式、「2」は記述式です。ページの脱落等に気付いたときは、手をあげて監督者に知らせなさい。
3. 監督者の指示に従って、すべての解答用紙の受験番号欄に受験番号を記入し、マーク欄にマークしなさい。
4. 解答はすべて、解答用紙の指定された欄にマーク又は記入しなさい。
5. 受験番号のマーク時及び解答用紙「1」の解答には、必ず黒鉛筆(H, F, HBに限る)及びプラスチック製の消しゴムを使用し、「マーク例」に従って、正しくマークしなさい。黒鉛筆以外のもの(シャープペンシル等)を使用してマークした場合、マークが薄い場合、一部分しかマークしていない場合、訂正箇所を消しゴムできれいに消していない(消し跡が残っている)場合は、マークが正しく読み取れず、採点できないことがあります。
6. 解答用紙の網掛け部分及び※を付した欄には、何も記入してはいけません。
7. 問題冊子の白紙と余白は下書きに適宜利用してもよいが、どのページも切り離してはいけません。
8. 試験終了後、この問題冊子は持ち帰りなさい。

I

- 1 Read the following text and answer the question below.

この部分に記載されている文章については、
著作権の問題から公開することはできません。

【出典(一部改変) : <https://www.goodnewsnetwork.org/>】

Which of the following is the main idea of the text?

- A. The police caught a worker with the job of refilling the ATM.
- B. Jose helped his grandfather and received a huge amount of money.
- C. Jose made the right decision, which impressed the police in Albuquerque.
- D. The money was left behind by a worker.

2 Read the following text and answer the question below.

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【出典(一部改変) : <http://www.bbc.com/>】

Which of the following statements is true?

- A. Mr. Roszak repairs and maintains robots at Ocado.
- B. The robot is designed to give the worker an appropriate tool.
- C. In the test, the worker lifted a heavy plate so that the robot could build the project.
- D. Ocado hired researchers and developed the ARMAR-6 robot.

3 Read the following text and answer the question below.

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【出典(一部改変) : <http://www.theguardian.com/>】

Which of the following best fills [X]?

- A. Koalas were believed never to drink water in the wild, or to drink only occasionally
- B. Koalas drink several liters of water a day to save energy because their diet of leaves requires a lot of energy to digest
- C. Koalas are only active at night, when they usually drink water
- D. Koalas have been observed drinking from water bottles offered by firefighters tackling bushfires in southern Australia

- 4 Choose the best answer from A—D to rearrange the following sentences in the best order.

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【出典(一部改変) : <http://www.nytimes.com/>】

- A. ⑤—①—③—②—④
B. ③—④—⑤—①—②
C. ⑤—③—①—④—②
D. ③—⑤—④—②—①

II

Read the following text and choose the most appropriate word or phrase from A—D to fill in (1)—(10).

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【出典(一部改変) : <https://www.independent.co.uk/>】

- (1) A. expect B. believe C. distinguish D. compare
- (2) A. worse B. safe C. lonely D. better
- (3) A. are playing B. play C. played D. is being played
- (4) A. argued B. developed C. adjusted D. observed
- (5) A. joy B. nervous C. pleasant D. tired
- (6) A. surprising B. surprise C. surprised D. to surprise
- (7) A. threw B. laughed C. kept D. looked
- (8) A. install B. sound C. serve D. delay
- (9) A. lack B. resolve C. upload D. believe
- (10) A. where B. why C. whenever D. what

Ⅲ

Read the following text and answer the questions below.

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【出典(一部改変) : <http://www.nytimes.com/>】

1 Choose the word or phrase from A—D which is closest in meaning to ①—⑤.

- ① A. exclusive B. ordinary C. solid D. wealthy
- ② A. citizens B. gemstones C. geniuses D. strangers
- ③ A. desert B. workplace C. substitute D. treasure chest
- ④ A. abandoned B. brought C. sold D. aided
- ⑤ A. disability B. illness C. brainpower D. eyesight

2 Choose the best answer for each question.

- (1) Who is Helge O. Svela?
- A. the proud owner of a whiskey bar
- B. an animal researcher
- C. a professor from Oregon State University
- D. a pet owner

- (2) What surprising thing might Dr. Fugazza's experiment reveal?
- A. Baboons are less intelligent than pet dogs.
 - B. Dogs cannot learn more than 50 words for objects.
 - C. Dogs can learn to recognize the terms for categories of objects without formal training.
 - D. Whisky knew the names of more objects than any other dog.
- (3) Which is not true according to the text?
- A. Monique Udell was not involved in this research.
 - B. Both Chaser and Whisky are the same type of dog.
 - C. Whisky was allowed to see the new toys before the experiment.
 - D. Most dogs cannot think in categories without formal training.
- (4) How many names of toys did Dr. Fugazza's research show that Whisky knew?
- A. about 50%
 - B. at least 54
 - C. 59 to 91
 - D. more than 1,000
- (5) Which of these would not be the name of one of Whisky's toys?
- A. "seven rings"
 - B. "small Frisbee"
 - C. "big ball"
 - D. "short rope"

IV

Answer the questions below.

1 Naoki is planning to go to the movies with his family. There are five people in his family and they all want to see the new movie *Wild & Dangerous*. The regular price for an adult ticket is 1,800 yen. High school students pay 1,500 yen, and elementary school students can see the movie for 1,000 yen. Naoki's daughter, Jenny, is in high school. His son, Ahmed, is an elementary school student. There is also a discount for senior citizens, so Naoki's father, Jiro, can get a ticket for 1,000 yen, too. Naoki's wife, Samantha, reminds him that now that he is over 50, they qualify for the middle-aged couple date discount and can get their tickets for half the regular price.

Whose ticket is the most expensive? Write the name on the answer sheet.

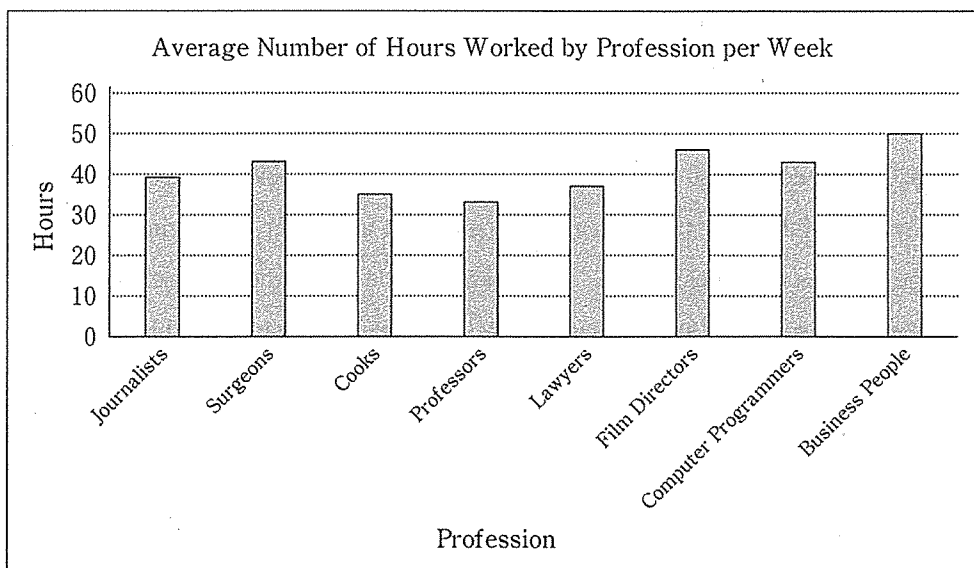
2 Tom and his father enjoy playing chess. Chess is one of the most popular games in the world, and both of them like the intellectual challenge of the game. Tom wanted to buy a book to help him become a better chess player, so his father decided to help him out. The cost of the book was 2,000 yen. On Tom's birthday, his father decided to give him a present by placing money on the squares of a chess board. The board for the game chess has eight squares in each row. There are also eight rows. Half of the squares are black, and the other half are white. His father placed a fifty-yen coin on each of the white squares and a five-yen coin on each of the black squares. Next to the chess board, he left a note saying, "Happy birthday, Tom. This will help you buy the book and learn how to beat me at chess. You can pay the rest of the money from your savings."

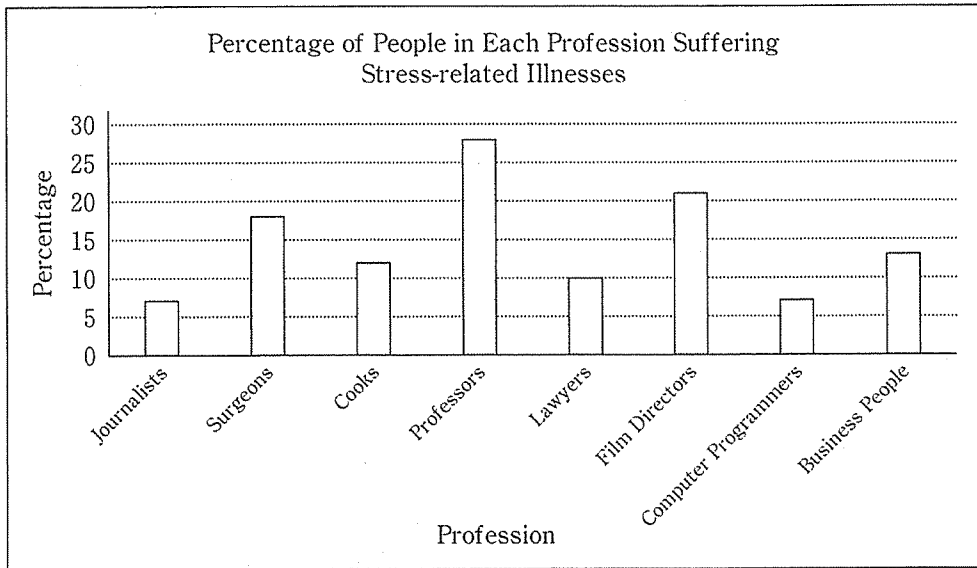
How much did Tom have to pay out of his savings?

3 Techies are multi-colored button-shaped chocolates covered with a hard candy shell. One of these Techies weighs 0.9 grams and has about 4.7 kilocalories (kcal) of food energy. The hard candy shells come in a variety of colors. Green is the most popular but not so common. In a typical 45-gram bag of Techies, there are five colors, and half of the candies will be brown. The second most common color is red, which makes up 20%. Yellow and orange together make up 20% of the candies. Although green is the most popular, all of the colors taste exactly the same.

How many green Techies are in a typical 45-gram bag?

4 People in eight professions in a certain city were surveyed about their working hours and stress levels. The results are shown in the graphs below. Choose the best sentence from A—F to describe the graphs.





- A. Business people work fewer hours than film directors and experience less stress.
- B. Computer programmers experience greater stress than surgeons due to their long working hours.
- C. Cooks work more hours than professors and suffer stress-related illnesses at comparatively higher rates.
- D. Film directors work the second most hours and suffer the least stress.
- E. The number of hours worked is directly related to the amount of stress suffered.
- F. While professors work the fewest hours of workers in any of the professions, they suffer from stress-related illnesses at the highest percentage.

V

以下の問いに答えなさい。

新しい通信システムとなる5Gでは、インターネットの速度が格段に向上します。これにより、私たちの生活に、どのような変化が起こると思いますか。身近な具体例を交えて、あなたの意見を60語から80語の英語で書きなさい。