

平成 29 年度

後 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 20 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。

◇M6(077—74)

# 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、  
著作権上の問題から公開することができません。

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

\*epoxy : エポキシ樹脂

Which of the following is the best title for the text?

- A. Glass Can Be Mistaken for Wood with New Technology
- B. Scientists Have Turned Wood Transparent
- C. Transparent Wood Is Used to Build Windows
- D. A New Material Replaces Wood and Glass

2 Read the following text and answer the question below.

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【出典(一部改変) : <http://www.pbs.org/>】

Which of the following statements is true?

- A. Pinaki assisted Shree in finding a protein which prevents cells from resisting certain drugs.
- B. Shree took part in the contest and competed with scientists of various age groups.
- C. The number of female students who major in biology is larger than that of male students.
- D. Female students majoring in computer science are less likely to go to graduate school than those majoring in engineering.

3 Read the following text and answer the question below.

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

Which of the following best fills [ X ]?

- A. much is beyond our reach regardless of political outcomes
- B. deciding which tribe the bones should go to will take time
- C. the tribes who examined the skeleton still fear that a political move could cut off future study
- D. no matter how long we might study the Kennewick Man, we would never know the form or color of his eyes, skin, and hair

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

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著作権上の問題から公開することができません。

【出典(一部改変) : <http://driving.ca/>】

- A. ① — ⑤ — ④ — ② — ③
- B. ① — ③ — ② — ⑤ — ④
- C. ⑤ — ② — ① — ③ — ④
- D. ⑤ — ③ — ② — ④ — 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) : <http://www.huffingtonpost.com/>】

- (1) A. improve                              B. improving  
      C. for improving                        D. improved
- (2) A. As for            B. Besides            C. Despite            D. As well
- (3) A. adopted            B. controlled            C. removed            D. replaced
- (4) A. more poor                              B. much poor  
      C. more poorer                            D. much poorer
- (5) A. viewed            B. esteemed            C. revealed            D. served
- (6) A. as such            B. for all            C. in case            D. so that

- (7) A. along line with                      B. in line with  
C. to the line of                          D. with a line from
- (8) A. compared to                          B. rather than  
C. regardless of                          D. similar to
- (9) A. analyzed    B. concluded    C. informed    D. questioned
- (10) A. focuses on    B. focuses to    C. focused on    D. focused to

### 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. appeared  
B. substituted  
C. telegraphed  
D. transported
- ② A. stopped establishing  
B. provided supplies  
C. presumed innocent  
D. exchanged information
- ③ A. danger  
B. crime  
C. rule  
D. virtue
- ④ A. failed to participate in  
B. failed to reveal  
C. failed to exclude  
D. failed to give up
- ⑤ A. gained  
B. kept  
C. lost  
D. profited

2 Choose the best answer for each question.

- (1) After the investigation by athletes and journalists, who was awarded the victory for the Ironman Canada competition?
- A. Davis
  - B. Miller
  - C. Empfield
  - D. Weihai
- (2) In how many locations did the company FinisherPix position cameras for the race?
- A. Two
  - B. Three
  - C. Four
  - D. Five
- (3) Which camera did participants have to pass twice?
- A. No camera was passed twice.
  - B. The camera at the start of the marathon
  - C. The camera at the end of the race
  - D. The camera at the 3.8 mile mark
- (4) What do Dan Empfield's readers think about racing?
- A. People who lie about completing the race are the worst.
  - B. Using drugs to win is forgivable.
  - C. Cheating is acceptable if you are not caught.
  - D. Cutting the course is very difficult.



- (5) How was it discovered that Miller cheated?
- A. The camera recorded her leaving the course and returning illegally.
  - B. Miller's timing chip showed impossible race times.
  - C. There was no photographic evidence of her completing two laps of the race.
  - D. After being questioned by journalists, Miller admitted she cheated.

## IV

Answer the questions below.

1 In a store, there were 300 black pens whose price was 40 yen each. There were also 200 red pens priced at 60 yen each. In the first half of the month, the store sold all of the black pens and one half of the red pens. In the second half of the month, there was a sale, and the store owner offered a 25% discount off all the products. This resulted in all the remaining pens being sold.

What was the total amount of money received by the store owner for all the pens?

2 At Sallywood High School, the rules make it clear that bicycles must be parked in specific places. In fact, there are 10 bicycle parking areas which have 6 blocks each. According to the school rules, five bicycles can be parked in a block. One day, the principal went around the school and counted the number of bicycles. Most of the blocks had the maximum number of bicycles allowed by the rules, but 5 blocks were different. Two of these blocks had two motorcycles and because of this, the total of these two blocks was only half of the recommended number of bicycles. The other three of these blocks had two times more bicycles than the recommended number.

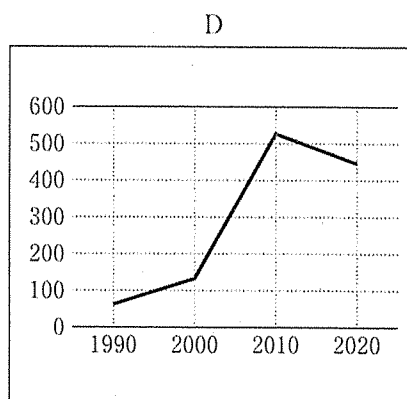
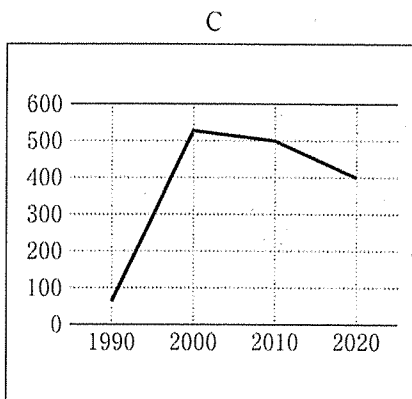
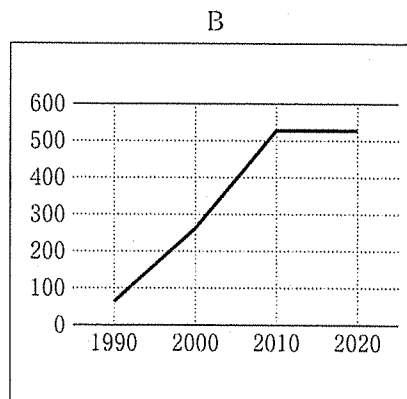
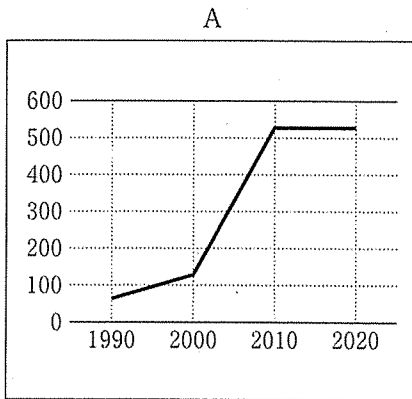
How many bicycles were parked at the school?

3 Jim bought a beautiful ruler for his daughter and told her to draw a square on the notebook with the ruler. She drew a square with a side of length 10 centimeters. Then she took a compass out of her bag, which her mother bought her for her birthday last year. Using the compass, she drew a circle inside of the square, which just touched the square at four points. She also drew four lines to connect those four points and made a smaller square using the ruler inside the circle. This smaller square touched the circle at the four points. She continued drawing lines to connect the four points, which created four equal-sized triangles inside the circle.

How long was the shorter side of one of these triangles?

4 Country X's steel production has expanded hugely. Since 1990, output has grown dramatically. In 1990, it produced 66 tons of steel. This output had doubled by the year 2000. The years from 2000 until 2010 were phenomenal. The figure of 2010 was four times that of 2000. After 2010, the consumption of steel declined. It is expected that the production of 2020 will be more or less the same as that of 2010.

Which graph shows Country X's steel production?



## V

Suppose you had a choice between reading a novel on an electronic device such as a tablet and reading it as a printed book. Which would you choose? State your choice and explain why in 60—80 English words.