

平成 29 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.huffingtonpost.com/>】

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

- A. Human Body and Watch Are Connected through a New App
- B. New Technology Finds a Way to Display the Biological Clock
- C. New Watch Controls Biological Signals
- D. New Technology Makes the Skin Act like a Touchpad

2 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://money.cnn.com/>】

Which of the following statements is true?

- A. Google created new emojis showing working women at a health care center and beauty salon.
- B. Women in the U.S. on average earn about 80% of what men do.
- C. There are more than 1,000 standardized emojis showing people at work and women use them more frequently than men do.
- D. Google proposed new emojis, which will soon decrease the pay gap between women and men.

3 Read the following text and answer the question below.

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

Which of the following best fills [ X ]?

- A. value can then be connected to the behavior (exercise) in a way that supports its maintenance
- B. ACT cannot change people's thoughts about the behavior (exercise)
- C. they can learn these skills at home or through a smartphone app, rather than participate in a formal program
- D. it also helps their grandchild understand what they value in life, and then how they can live a life consistent with those values

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.scientificamerican.com/>】

\*flammable : 可燃性の

\*reactant : 反応物質

- A. ⑥—②—⑤—④—①—③
- B. ①—⑥—③—⑤—②—④
- C. ③—⑤—①—⑥—②—④
- D. ②—①—③—⑤—⑥—④



## 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://money.cnn.com/>】

\*patent : 特許(を取る)

- (1) A. inject      B. injection      C. injected      D. injectable
- (2) A. Once equipped      B. Owing to equip  
C. During you are equipped      D. To equip
- (3) A. that      B. whose      C. which      D. when
- (4) A. artificial      B. concrete      C. parallel      D. laboring
- (5) A. had better      B. could be used  
C. would rather      D. were no use
- (6) A. preserve      B. correct      C. cause      D. reckon
- (7) A. discipline      B. health      C. machinery      D. privacy
- (8) A. ask      B. get      C. make      D. force
- (9) A. in the meantime      B. all the time  
C. in the act      D. on board
- (10) A. in that      B. notwithstanding  
C. if      D. except that

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.focali.se/>】

\*export commodities : 輸出品

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

- ① A. inspect  
B. do  
C. adjust  
D. regulate
- ② A. customers wanting to buy  
B. safe and healthy commodities  
C. company purchases  
D. usual transactions
- ③ A. ignore  
B. spread out  
C. identify  
D. protect

- ④ A. effect
- B. result
- C. structure
- D. output
- ⑤ A. loose
- B. severe
- C. permitting
- D. influential

**2 Choose the best answer for each question.**

- (1) According to the text, what causes the greatest loss of species diversity?
  - A. Acidification of water
  - B. Putting many gigatons of CO<sub>2</sub> into the earth's air
  - C. Removing all the trees from certain areas
  - D. Climate change
  
- (2) Which of the following benefits of tropical forests is NOT mentioned in the text?
  - A. Tropical forests reduce CO<sub>2</sub>.
  - B. Tropical forests give homes to plants and animals.
  - C. Tropical forests support the lives of many human beings.
  - D. Tropical forests keep rivers clean.
  
- (3) The production of which agricultural product causes the greatest amount of deforestation?
  - A. Palm oil
  - B. Beef
  - C. Wood products
  - D. Soybeans

(4) Which of the following statements is true?

- A. Palm oil production is the second most important cause of forest loss.
- B. The study covers the period of agricultural production from 2000 to 2012.
- C. North America is the greatest consumer of beef produced in the tropical rainforests of the seven high-deforestation countries.
- D. The production of wood products is neither the largest nor the second largest cause of carbon emissions.

(5) Which is the main topic of this text?

- A. Agricultural commodity consumption and trade causing tropical deforestation
- B. The consumption of tropical forest food in the EU and China
- C. Developing techniques for clearing tropical forests
- D. The history of supply-side and demand-side government policies managing agricultural products

## IV

Answer the questions below.

1 Ken and Hiro decided to buy a bunch of roses as a present for their mother on her birthday. Because Ken was good at making things, he came up with the idea of putting flowers into a box, rather than making a bouquet. He had a paper box, which was perfect for flowers. In order to decorate the box, he bought a piece of wrapping paper and a roll of ribbon, which cost 100 yen each. Hiro went to a flower shop near their house, and found that one rose cost 500 yen. They were very nice, but in the local supermarket, roses were much less expensive, only 1,000 yen for five. So he bought 40 roses in the supermarket.

What was the total cost of their mother's birthday present?

2 John's favorite color is black, and his wife's favorite color is red. One Sunday morning, John does the laundry and washes some of their clothes. As expected, he finds that there are quite a few red items and black items. There are also some items with other colors. When he counts all of the items in the laundry basket, he finds that the total is 20. The sum of the red and black items is exactly equal to the number of items of other colors. There are two fewer black items than red items.

How many red items are there?

3 Billy has a huge music collection that he has built up over many years. He has bought 250 vinyl records with an average of 10 songs each and 500 CDs with an average of 12 songs each. He also has 1,500 songs which he bought from iTunes and other music services. He has also got an additional 820 songs which his friend gave to him as a present.

If each song that he bought cost an average of 100 yen, how much money has Billy spent on his music collection?

- 4 There are four lanes in a swimming pool which are color-coded: red, yellow, green, and blue. The yellow lane is on the edge of the pool and is only available for people who are walking. Slow swimmers are allowed to go in the green lane and their lane is next to the red lane. The lane for fast swimmers is on the edge of the pool and is not on the left hand side. It is marked with a red label. The other lane is blue and it is reserved for children so that they do not disturb the other swimmers.

Write the number next to each color on your answer sheet.

LEFT			RIGHT
1	2	3	4

V

Japan is attracting more and more tourists from abroad these days. Which city in Japan would you like them to visit besides Tokyo and Kyoto? State your choice and explain why in 60 — 80 English words.