

## 科目 [ 英語 ]

〔100点  
50分〕

## &lt;注意事項&gt;

## ◎ 「総合情報学部」および「看護学部」の受験者に共通する注意事項

- 1 解答用紙に受験番号、氏名、フリガナを正しく記入してください。また、受験番号のマーク欄にも必ずマークしてください。
- 2 解答には、必ず黒鉛筆（H、F、HBに限る）およびプラスチック製消しゴムを使用してください。
- 3 試験中に問題冊子の印刷不鮮明、ページの落丁や乱丁および解答用紙の汚れ等に気付いた場合は、挙手の上、試験監督者に申し出てください。
- 4 問題冊子の余白等は適宜利用して良いですが、どのページも切り離さないでください。
- 5 不正行為に対しては厳正に対処します。不正行為に見えるような行為が見受けられた場合は、監督者が注意します。なお、不正行為を行った場合は、その時点で受験を取りやめさせ退室させます。
- 6 試験終了後、この問題冊子は持ち帰ってください。

裏面（B面）にも注意事項がありますので、必ず読んでください。

## &lt;注意事項&gt;

解答用紙にマークする際は、下の記入例にならっておこなってください。

- ◆設問ごとに解答番号（

1
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2
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3
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 …）が示されているので、  
記入例にならってそれに対応する解答番号にマークします。

## (記入例)

設問 1

問 1

1	①	②	●	④	⑤	⑥	⑦	⑧	⑨
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表面（A面）にも注意事項がありますので、必ず読んでください。
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# 英 語

(解答番号  ~ )

I 各文の空欄  ~  に該当する語または語句として最もふさわしいものを、それぞれの解答群①~④の中から1つずつ選べ。

1) Domenico Scarlatti, an Italian composer,  born in 1685, the same year as Johann Sebastian Bach and George Frideric Handel.

- ① has been      ② had been      ③ is      ④ was

2) Bill initially had the analysis  because he lacked the technical skills in data analysis. However, he was instructed to do it when his professor recognized this.

- ① perform      ② performing      ③ be performing      ④ performed

3) While it is possible to graduate without taking this elective class, you  take this class to further develop your programming skills.

- ① will      ② would      ③ should      ④ shall

4) Would you mind  down the music? I'm currently making a YouTube video.

- ① turn      ② turning      ③ turned      ④ to turn

5) There are good reasons for  parents encourage their children to learn a second language, as it provides opportunities for cultural enrichment and international understanding.

- ① what      ② which      ③ when      ④ whom

6) Beer was popular drink  the people of ancient Egypt, and it was often used as a form of payment for laborers.

- ① between      ② among      ③ besides      ④ after

7) It is  to talk to Anna because she explores a wide range of fascinating research topics and possesses deep knowledge in both nursing and information sciences.

- ① interesting      ② interested      ③ kind      ④ kindness

II 地球温暖化対策として関心を集める、生物資源を原料にしたバイオ燃料について書かれた次の文章を読み、各設問に答えよ。

Biofuels<sup>\*1</sup> are made from fuels that grow. The oldest biofuel is wood, but today we are using different kinds of plants – and even old coffee! – to make new biofuels. The problem with some biofuels is that it takes a lot of land to grow the fuel, which means less land for growing food. If you want to fly a Boeing 747 plane the 350 kilometres<sup>\*2</sup> from London to Amsterdam on coconut<sup>\*3</sup> biofuel, you will need to grow about 3 million coconuts! There is another problem too – people may  forests to grow plants for biofuel.

In Brazil, cars and buses have used a fuel called bioethanol<sup>\*4</sup> for years. Bioethanol is great because we make it from the waste parts of plants that we already grow for food. Most Brazilian bioethanol is made from sugar cane, the tall plant that we grow for sugar. The sugar cane is <sup>(a)</sup>broken up in machines, and the <sup>(b)</sup>liquid is taken to make sugar. The  of the plant is turned into paper or used to make bioethanol. Even the electricity that the bioethanol factories use comes from burning sugar cane. Burning biofuels produces gases like CO<sub>2</sub>, but when we grow them, the plants take CO<sub>2</sub> out of the air. Because of this, sugar cane bioethanol produces 78 per cent<sup>\*5</sup>  CO<sub>2</sub> than petrol<sup>\*6</sup>.

The newest biofuels are made from very small living things called algae<sup>\*7</sup>. Algae produce more energy than other biofuels, and they can grow in places where we do not grow food, like seas and waste land. In the future, people want to change the way that some bacteria and plants grow. In this way they hope to get biofuels that work better or grow in different places. One day there may be huge algae farms in the sea, and many buildings may grow biofuel plants on their roofs.

- \*<sup>1</sup> biofuel : バイオ燃料  
 \*<sup>2</sup> kilometres : kilometers のイギリス英語表記  
 \*<sup>3</sup> coconut : ココナッツ  
 \*<sup>4</sup> bioethanol : バイオマスエタノール  
 \*<sup>5</sup> per cent : percent のイギリス英語表記  
 \*<sup>6</sup> petrol : ガソリン  
 \*<sup>7</sup> algae : 藻類

(Raynham, Alex. *Future Energy*. E-book ed., 2012, p. 39, Oxford UP.)

Oxford Bookworms Library Factfiles: Level 3: Future Energy by Alex Raynham, Oxford University Press, 2012, Reproduced with permission of the Licensor through PLSclear.

- 1) 本文中の空欄  ～  に該当する語として適切なものを、それぞれの解答群①～④の中から1つずつ選べ。

- ① destroy      ② preserve      ③ protect      ④ save

- ① biofuel      ② sugar      ③ most      ④ rest

- ① less      ② little      ③ more      ④ much

- 2) 本文中の下線部(a)(b)の語または語句の意味に最も近いものを、それぞれの解答群①～④の中から1つずつ選べ。

(a)

- ① boiled      ② burned      ③ crushed      ④ stored

(b)

- ① juice      ② leaves      ③ powder      ④ skin

3) 本文の内容と一致する英文を、下の①～⑥から**3つ**選べ。( 

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 には**3つ**マークすること。)

- ① Large-scale algae farms in the sea may become available in the future.
- ② Algae is gaining attention as a more efficient source of biofuel.
- ③ Compared to gasoline, biofuels are considered more eco-friendly because they don't emit CO<sub>2</sub>.
- ④ In Brazil, they make bioethanol from various sources including sugar cane, old coffee, and coconuts.
- ⑤ Increased production of biofuels could reduce food supplies because it could lead to a decrease in land for growing food.
- ⑥ To solve environmental problems, we need to grow much more food such as corn and sugar for fuel.

Ⅲ 次にあげる日本文を、以下の①～④の語または語句をすべて用いて英文に書き換えたとき、空欄  ～  に該当するものを、それぞれの解答群①～④の中から選べ。(ただし、文頭に来るものも小文字になっている。また、空欄および下線1つが、1つの語または語句に対応する。)

- 1) フローレンス・ナイチンゲール記章は、看護分野で権威のある国際賞です。先駆的な看護師フローレンス・ナイチンゲールに敬意を表し、1912年に赤十字国際委員会 (ICRC) によって創設されました。

The Florence Nightingale Medal is a prestigious international award in nursing. It \_\_\_\_\_ 1912  the International Committee of the Red Cross (ICRC) in honor of the pioneering nurse Florence Nightingale.

- ① by                      ② was                      ③ established              ④ in

- 2) 私たちのシステムのセキュリティを破る試みがなされたようです。早急にソフトウェアのアップデートを行い、セキュリティの脆弱性に対処する予定です。

It seems that an attempt has been made to break our system's security. The software update will \_\_\_\_\_  \_\_\_\_\_ soon as possible to address the security weakness.

- ① as                      ② be                      ③ out                      ④ carried

- 3) 病気を治すよりも予防する方が簡単です。健康的なライフスタイルを維持し、定期的に運動するなどの予防策により、病気になるリスクを減らすことができます。

It is \_\_\_\_\_  \_\_\_\_\_ to cure them. Proactive measures, such as maintaining a healthy lifestyle and regular exercise, can reduce the risk of falling sick.

- ① than                      ② to prevent              ③ easier                      ④ illnesses

- 4) 私の妹は、ソフトウェアエンジニアにプログラミング言語を教えています。その中には、PythonやJavaなど、ソフトウェア開発のキャリアに欠かせない言語も含まれています。

\_\_\_\_\_ **17** \_\_\_\_\_, including essential ones like Python and Java, which are important for their careers in software development.

- ① software engineers                      ② teaches  
③ programming languages                ④ my sister

- 5) 健康診断の結果は陰性でした。万が一、何か発見した場合には、真っ先にあなたにお知らせします。

The medical examination is negative. In case I discover anything else, you will be the \_\_\_\_\_ **18** \_\_\_\_\_.

- ① to                      ② know                      ③ first                      ④ person

- 6) この歯車式の装置は、天体の位置や食を予測するための最古のアナログ・コンピュータであると考えられています。

This gear-based device \_\_\_\_\_ **19** \_\_\_\_\_ the oldest known analog computer to predict astronomical positions and eclipses.

- ① be                      ② is                      ③ to                      ④ believed

- 7) 会社が提案した国際研修プログラムに参加しなかったことを後悔しています。もし参加していれば貴重な経験が得られたでしょう。

I regret not having participated in the international training program proposed by the company. Had I taken part, I \_\_\_\_\_ **20** \_\_\_\_\_.

- ① valuable experience                      ② gained  
③ would                      ④ have

著作権の都合上、省略しています。

著作権の都合上、省略しています。

Moss, Stephen. BBC Dynasties: Chimpanzees. 2018. PP.7-45. Penguin Random House UK.

- 1) 本文中の空欄  ～  に入る適切なものを，それぞれの解答群①～④の中から1つずつ選べ。

- ① Things change all the time in any group of chimpanzees
- ② Chimpanzees always work together to protect each other
- ③ The relationships in a group of chimpanzees are always stable
- ④ In the world of chimpanzees, only family can be trusted

- ① to protect the group from external threats
- ② to find food for the entire group
- ③ to make sure the young chimpanzees were safe
- ④ to stay at the top of the group

- 2) 本文中の下線部箇所を言い換えた際に適切なものを，解答群①～④の中から1つ選べ。

- ① Jumkin decided to challenge David's leadership, even though KL was supporting David.
- ② Jumkin had no choice but to obey David's authority.
- ③ Jumkin couldn't accept his defeat at this point.
- ④ Jumkin tried to show he was stronger than David, ignoring KL's role.

- 3) alpha maleの特徴について、本文に書かれた内容にふさわしいものを、解答群①～④の中から1つ選べ。

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- ① The alpha male spends most of his time teaching younger chimpanzees how to survive.
- ② The alpha male always shares his food and water with the other members of the group.
- ③ The alpha male uses his strength and cooperation to maintain his position and access to resources.
- ④ The alpha male avoids conflicts and stays away from other male chimpanzees.

- 4) 本文に登場するチンパンジーについて、本文に書かれた内容にふさわしいものを、解答群①～④の中から1つ選べ。

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- ① Jumkin supported David in maintaining his position as the alpha male, helping him against other challengers.
- ② Once Jumkin disappeared, KL and David became close friends.
- ③ After Mamadou left, everyone acknowledged David as the strongest male in the group.
- ④ David and Mamadou worked together to defend David's leader position of the group.

- 5) 乾季(dry season)におけるチンパンジーの水分と食べ物の摂取方法について、本文に書かれた内容にふさわしいものを、解答群①～④の中から1つ選べ。

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- ① Chimpanzees frequently rely on the alpha male to discover new sources of food and water during difficult times.
- ② Chimpanzees depend on rainwater collected in natural pools like tree holes for their drinking needs.
- ③ Chimpanzees are capable of finding hidden water sources during the dry season using knowledge passed down from their relatives.
- ④ Due to the risks related to relying on a single water source, Chimpanzees frequently move around.