

2023 年度入学試験問題

一般選抜公立大学中期日程

英 語

注 意

1. 指示があるまで、手を触れないこと。
2. 指示に従って、解答用紙に受験番号（算用数字）および氏名をはっきりと記入すること。
3. 解答は、解答用紙の指定された箇所に記入すること。
4. 問題冊子は 6 ページ、解答用紙は 1 枚である。もし、問題冊子の落丁、乱丁および解答用紙の汚れなどがあれば、ただちに申し出ること。
5. 問題冊子は持ち帰ること。

[ I ] Read the following passage about self-driving technology and answer the questions that follow.

引用 : D. Christopher Kayes. (2022). The problem with self-driving cars is not technology, the problem is people. OUPblog. Retrieved from <https://blog.oup.com/2022/04/the-problem-with-self-driving-cars-is-not-technology-the-problem-is-people>

<原文の二次利用の許諾を得ていないため非公開>

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(6) 自動運転

車が最終的に成功するかどうかは、技術の向上だけでなく、運転席に座る運転手への教育によって決まるだろう。

【出典】 D. Christopher Kayes. (2022). The problem with self-driving cars is not technology, the problem is people. *OUPblog*. Retrieved from <https://blog.oup.com/2022/04/the-problem-with-self-driving-cars-is-not-technology-the-problem-is-people/>

【注】本文中の\*が付いている語句は以下を参照してください。

risk appetite = リスク選好 (度)

vulnerability = 脆弱性

ample = 十分な

cognitive = 認知的な

algorithm = アルゴリズム

aerospace = 航空宇宙業界

acute = 深刻な

harsh = 厳しい, 過酷な

regain = 取り戻す

transparency = 透明性

collision = 衝突

shell out = (大金) を支払う

1. Select the best phrase for the blank space numbered ( 1 ).
  - a) when to use GPS and smartphones
  - b) the disadvantages of new technologies
  - c) how to stop cognitive offloading
  - d) the benefits of cognitive offloading
  - e) the reason why you rely on new technologies
  
2. Regarding the underlined part ( 2 ), according to the author, what are the two primary deficits? Explain each deficit in about 30 characters in Japanese.
  
3. Translate the underlined part ( 3 ) into Japanese.
  
4. Translate the underlined part ( 4 ) into Japanese.
  
5. What is the purpose of the underlined part ( 5 )? Explain in about 30 characters in Japanese.

6. Fill in the blanks in the following sentence with one word each in order to translate the underlined part (6) into English.

The ultimate ( ア ) of self-driving cars will ( イ ) not only on improving technology, but ( ウ ) on educating the drivers behind the wheel.

7. Select the best words for the blanks ( A )~( D ) from the list below. IF NECESSARY, change the word form to make a grammatically correct sentence. Write the words in the spaces on your answer sheet.

attribute	go	involve	lead
make	replace	trigger	utilize

8. Which of the following is true from the passage?
- a) It is true that self-driving technology is quite useful, but it is dangerous to rely on it too much and the users need to be properly trained.
  - b) The self-driving technology with cars and aircraft is improving rapidly, so even the most talented pilots and drivers can't catch up with it.
  - c) New technology allows humans to control cognitive offload and avoid forgetfulness.
  - d) The self-driving mode should be activated automatically when the drivers start the engines because they usually have spent a lot of money on their cars.
  - e) The new technology of self-driving has helped pilots avoid accidents in industries such as aviation and aerospace and now it's time to adopt it in the automotive industry.

次ページにも問題があります。

[Ⅱ] それぞれの対話の流れに沿うように、2つの空所に適切な語を記述し、それぞれのセリフとして適切な英文を作りなさい。ただし、太枠  の空所の語は以下の単語リストの中から選び、必要に応じて適切な形に変えなさい。

【単語リスト】

• be	• give	• learn	• travel
• let	• run	• say	• stop

1. Lily : Have you ever been to Buono Italian Restaurant near Harrison Station?

Steve : Yes. I've been there several times.

Lily : I am going to have dinner with my friends at that restaurant tonight. Could you tell me how to get there from the station?

Steve : Sorry, but I can't tell you. I usually go there while using the map on my smartphone with the GPS system. I don't remember the way there.

Lily : Oh, no! Something  ア  イ with my smartphone and I can't use it. I'll ask someone at the station. Thanks, anyway.

2. Taku : I saw you driving a blue car yesterday. Did you buy a new car?

Tina : Yes! I got it last week. It's the latest model.

Taku : That's cool. I have just read a magazine article about new technologies and I learned a lot of cars have self-driving functions now. Does your car have them?

Tina : Partly, yes. My car stops when it sees danger. When I activate the auto-driving system, it follows the cars ahead. It can even check the speed of the car  ウ  エ front of me and adjust the speed of my car.

Taku : Wow, it is now easier to drive cars.

3. Jack : I spent my summer holiday in Okinawa. I really enjoyed it. You should visit there if you haven't.
- Mana : How did you go there?
- Jack : By airplane. It's only a 2-hour flight.
- Mana : I am too scared to take a plane. I can't believe such a big object made from iron can fly in the sky, and, moreover, now autopilots are very common. I don't trust that technology.
- Jack : Well, thanks to that technology, the number of accidents has decreased.
- Mana : I know, but I am still scared. If I could trust all the technologies, I   around the world.
4. Katie : Do you have a driver's license, Nick?
- Nick : Yes, I got one last year.
- Katie : Is it easier to get one because now there are many cars with new technology that makes driving easy?
- Nick : Well, no. Even though the technology improves, getting a driver's license will never get easier. We have to   to drive safely in case the useful functions fail.
- Katie : I see. I want to get a driver's license, but I am not confident.
- Nick : It is not easy to drive, but don't get too nervous. If you study hard and always try to keep calm, you'll be all right.
5. Patrick : What do you want to be in the future, Midori?
- Midori : I want to be a researcher.
- Patrick : What do you want to study?
- Midori : Up to now, human beings have pursued convenience. I think it is time to think about what we human beings do and what   machines do. I want to be a researcher who studies the effects of machines on the activity in our brains.
- Patrick : It seems difficult, but I am sure we need such research.