CLASS

NO.

確認テスト　UNIT 11～15

NAME

100

１ 《UNIT 11》 英文を読んで，下の問いに答えなさい。

What we don’t learn from Gould’s work is (1)the nature of the bee’s knowledge, the extent to which an individual’s own knowledge of \*pollen location can \*override the social message. (　①　), if a bee knows that a field of flowers has been burned down, leaving no pollen behind, would it accept or reject a dance indicating pollen at (2)this location a week after the burn? What about one year after the burn, when there has been time for new growth?

(注) pollen　花粉　　override　～に優先する

⑴　下線部(1)について，筆者はどのような疑問を提示しているか。50字以内の日本語で説明しなさい。 (5点)

⑵　(　①　)に入れるのに最も適切なものを選び，記号で答えなさい。 (3点)

ア　In contrast　　イ　For example　　ウ　That is　　エ　In particular

(　　　)

⑶　下線部(2)はどのような場所か。日本語で答えなさい。 (5点)

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２ 《UNIT 12》 英文を読んで，下の問いに答えなさい。

In order to maximize how much students learn from studying, many textbooks and schools generally follow (1)blocked practice. That is, students practice one topic at one time over and over. Of course, students can learn certain materials very well using this method, but (2)it is also well known that they can easily and quickly forget what they have previously learnt when they move onto another topic.

In recent years, \*cognitive scientists have shown that a few simple techniques can mediate such a learning (　①　). These can be used by anyone, from a fourth grader doing arithmetic to a retiree taking on a new language. However, they directly (3)contradict much of the common wisdom about good study habits, and thus have not caught on.

(注) cognitive scientist　認知科学者

⑴　下線部(1)はどのような練習方法か。日本語で答えなさい。 (5点)

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⑵　下線部(2)を，theyが何であるかを示したうえで日本語に訳しなさい。 (6点)

⑶　(　①　)に入れるのに最も適切なものを選び，記号で答えなさい。 (3点)

ア　environment　　イ　skill　　ウ　dilemma　　エ　habit (　　　)

⑷　下線部(3)とほぼ同じ意味を表すものを選び，記号で答えなさい。 (3点)

ア　affirm　　イ　provide　　ウ　exercise　　エ　deny (　　　)

３ 《UNIT 13》 英文を読んで，下の問いに答えなさい。

Japan ranks eighth in terms of the total capacity of geothermal power \*installations, but in terms of usable geothermal resource potential, Japan is third after Indonesia and the United States. To date, geothermal energy has been insufficiently utilized because of the high cost and the restrictions on development posed by the location of geothermal resources within national parks. As of this year, however, there are moves underway to utilize geothermal energy in Japan, with the Ministry of the Environment starting to study ways to relax regulations to promote geothermal power generation. (　①　), the major petroleum companies have announced a joint survey of geothermal power generation in Akita Prefecture and Hokkaido.

(注) installation　施設

⑴　(　①　)に入れるのに最も適切なものを選び，記号で答えなさい。 (3点)

ア　Therefore　　イ　In addition

ウ　Even so　　　エ　In other words (　　　)

⑵　日本で地熱エネルギーがこれまで十分に利用されてこなかった理由を，日本語で２つ書きなさい。 (5点×2)

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・()

⑶　本文の内容に合うように，　　に入る語を書きなさい。 (3点×2)

Japan has the 　　　　　　　　 largest geothermal energy potential in the world, ranking 　　　　　　　　 for geothermal power installation capacity.

４ 《UNIT 14》 英文を読んで，下の問いに答えなさい。

Recently, police officers in Louisiana were on the trail of (1)a serial killer, from whom they had derived a DNA sample from a bit of material left at the scene of the crime. Eyewitnesses disagreed about the (　①　) features of the suspect, some reporting that he was black whereas others said he was white. Using a psychological profile developed by the FBI, the authorities focused on searching for a white male aged 25 to 35. But a company that identifies DNA was called in. It analyzed the sample and said the suspect was 85 percent sub-Saharan African and 15 percent Native American, and would be expected to be dark-skinned. The police work then shifted to a different list of suspects. Eventually a black male was caught, and his DNA was found to match that collected at the crime scene. After a court trial, he was found (　②　) of murder, and he is now serving a life sentence.

Some would say that this was a valuable support to police work, since it led to an arrest and a \*conviction. However, given our inability to make precise predictions, one could also imagine an alternative situation in which such information could throw the police off the track and lead to arresting innocent parties.

(注) conviction　有罪判決

⑴　下線部(1)についての，心理学的プロファイル，DNA分析，のそれぞれによる犯人像を，日本語で説明しなさい。 (5点×2)

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⑵　(　①　)に入れるのに最も適切なものを選び，記号で答えなさい。 (3点)

ア　physical　　イ　internal　　ウ　statistical　　エ　favorable (　　　)

⑶　本文の流れに合うように，(　②　)に適切な語を入れなさい。ただし，gで始まる語とすること。 (4点)

⑷　DNA分析が警察の捜査に導入されることに関して，筆者はどのような問題が起きる可能性を指摘しているか。40字以内の日本語で説明しなさい。 (5点)

５ 《UNIT 15》 英文を読んで，下の問いに答えなさい。

Some of the worst predictions of a generation ago ―― global famine, widespread resource exhaustion ―― have not (1)come to pass on a global scale. (　①　) from the crowded streets of Lagos and Mumbai (Bombay), to the \*suburban sprawl of the United States, to disappearing tropical forests around the world, the harmful effects of more people than the planet can comfortably support are apparent almost anywhere we look.

Not all countries grow in the same way, of course. Virtually all of the expected population increase in the near future will come in developing countries, while (2)the population of the more developed countries would be declining slightly, were it not for large-scale migration. In much of Europe, where explosive growth started with the industrial revolution two centuries ago, and in Korea and Japan, and elsewhere, national populations have stabilized or are starting to decline. (3)This brings challenges of its own, as successively smaller generations struggle to care for and support their elders.

(注) suburban sprawl　郊外への街の広がり

⑴　下線部(1)とほぼ同じ意味を表すものを選び，記号で答えなさい。 (3点)

ア　been tested　　　　　イ　occurred

ウ　received attention　　エ　been made (　　　)

⑵　(　①　)に入れるのに最も適切なものを選び，記号で答えなさい。 (3点)

ア　Finally　　イ　Moreover　　ウ　So　　エ　Yet (　　　)

⑶　下線部(2)を日本語に訳しなさい。 (6点)

⑷　下線部(3)が指す内容を，30字以内の日本語で説明しなさい。 (5点)

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⑸　人口増加がもたらす問題として30年ほど前に予測されていたもののうち，本文で挙げられているものを日本語で２つ書きなさい。 (4点×2)

・(　　　　　　　　　　　　　　　　　　)

・(　　　　　　　　　　　　　　　　　　)

⑹　ヨーロッパで２世紀前に人口爆発が起きるきっかけとなった出来事は何か。本文中の英語３語で書きなさい。 (4点)