

平成30年8月7日実施

名古屋市立大学大学院医学研究科博士課程外国語試験(1回目) 外国人－英語

I. Please read the following sentences and answer the following 4 questions.

この部分に掲載されている文章に就いては、著作権法上の問題から掲載することができませんので、ご了承ください。

Quoted and adapted from: Nature 558, 5-6 (2018) (doi: 10.1038/d41586-018-05323-6)

Question 1 Create an effective title for spreading the information of this article.

(Questions 2 to 3 are listed on the next page)

Question 2 Regarding the sentence underlined (1), what is 'this model of precision oncology'?
State two of its potential advantages over conventional treatments.

Question 3 Regarding the sentence underlined (1), briefly explain what 'from bench to bedside' means.

(Question 4 is listed on the next page)

Question 4 Give four examples of research areas related to precision oncology that need further study.

II. Please read the following sentences and answer the following 9 questions.

この部分に掲載されている文章に就いては、著作権法上の問題から掲載することができませんので、ご了承願います。

From *HOW THE MIND WORKS* by Steven Pinker.

Question 1 Choose the most appropriate description to fill in the blank(1) from the following word(s), and write its number.

- | | | | |
|---|--------------|---|----------------|
| 1 | progress | 2 | predictions |
| 3 | random turns | 4 | probable moves |

Question 2 Choose the most appropriate description to fill in the blank(2) from the following words, and write its number.

- | | | | |
|---|----------|---|---------------|
| 1 | by fair | 2 | cheat us |
| 3 | amuse us | 4 | be repetitive |

Question 3 Choose the most appropriate description to fill in the blank(3) from the following word(s), and write its number.

- | | | | |
|---|-------------|---|----------------|
| 1 | in pride | 2 | in despair |
| 3 | to my shame | 4 | to my surprise |

(Questions 4 to 7 are listed on the next page)

Question 4 Choose the most appropriate description to fill in the blank(4) from the following words, and write its number.

- 1 but could only hope for a sunny day
- 2 and were likely to have good weather
- 3 and the bad weather was likely to continue
- 4 but couldn't tell when it would stop raining

Question 5 Choose the most appropriate description to fill in the blank(5) from the following word, and write its number.

- 1 first
- 2 fourth
- 3 tenth
- 4 final

Question 6 Choose the most appropriate description to fill in the blank(6) from the following word, and write its number.

- 1 change
- 2 follow
- 3 look
- 4 work

Question 7 Write the most appropriate word to fill in the blank(7).

(Questions 8 to 9 are listed on the next page)

Question 8 Choose the most appropriate description to fill in the blank(8) from the following words, and write its number.

- 1 patterns into predictions
- 2 predictions into patterns
- 3 patterns into randomness
- 4 randomness into predictions

Question 9 Choose the most appropriate description to fill in the blank(9) from the following words, and write its number.

- 1 to follow the observed patterns
- 2 to meet gamblers' requirements
- 3 to defeat our intuitive predictions
- 4 to remind us of the regularity of nature

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名古屋市立大学大学院医学研究科博士課程入学試験(1回目)

医学・生物学一般問題(問題用紙2枚、解答用紙2枚)

Select any two of the following four questions, and write your answers on answer sheets provided. Use one sheet per question (if you need more space for answers, continue them on the reverse side of the sheet). Please make sure that you write the number of question you selected in the answer sheet.

Question 1 Please explain recurrent pregnancy loss, its known causes, pathological mechanisms, and treatment(s) for each type of the clinical conditions. Please also explain recurrent pregnancy loss with unknown cause.

Question 2 Regarding “Conflict of Interest”, please answer the following two questions (I and II).

- I. By giving a possible case, explain the situation that conflict of interest occurs to medical doctors or medical scientists.
- II. In case of a clinical study, explain the purpose and process of the Conflict of Interest Management.

Question 3 Please answer the following two questions (I and II).

- I. Explain “epigenetics” and give an example.
- II. Explain all hereditary forms of “monogenic hereditary disease”.

(Question 4 is listed on the next page)

Question 4 Physicians are expected by a multitude of constituencies to consistently demonstrate professional behavior. Regarding professionalism in medicine, please answer the following two questions (I and II).

- I. How do you define a profession?
- II. How does this apply to medicine?