

英 語

90 分

注 意 事 項

1. 試験開始の合図までこの冊子を開かないこと。
2. 本問題冊子は14ページ、答案用紙は2ページである。
3. 各答案用紙の上の枠内には、**受験番号**を記入し、その右側の枠内には、**受験番号の下2桁**の数字を忘れずに記入すること。
4. 解答はすべて各答案用紙の所定の欄に明瞭に記入すること。
5. 問題冊子および答案用紙は切りはなさないこと。
6. 答案用紙に記入する受験番号の数字の字体は、下記の例にならひ、明瞭に記入すること。

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I 次の英文を読んで，以下の設問に答えよ。(90点)

著作権処理の関係上，公開しておりません

本文は，7ページまで続きます

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[Adapted from Mark Kurlansky, *Paper: Paging Through History*. New York: Norton, 2016: xiii-xix.]

- I-1. 下線部(1)では，なぜ unlikely だと言っているのか。その理由を 50 字以内の日本語で説明せよ。(句読点も文字数に含める。)
- I-2. 下線部(2)を英語に訳せ。
- I-3. 下線部(3)を日本語に訳せ。
- I-4. 下線部(4)を日本語に訳せ。
- I-5. 文中の空欄 [①] から [⑤] に入れるのもっとも適切な英文を A から E の中から選び，記号で答えよ。
- A. Ireland developed far ahead of England.
 - B. It is exactly the reverse.
 - C. Not all technology is the future.
 - D. Numerous inventions preceded paper.
 - E. That is why the technology is brought in.

I-6. 以下の(i)と(ii)の答としてもっとも適切なものをAからEの中から選び、記号で答えよ。

(i) Choose a reason mentioned in the text why a new technology might not readily be adopted throughout a society.

- A. A highly educated populace took time to carefully weigh the pros and cons of accepting a new technology.
- B. Communication barriers such as linguistic and cultural differences slowed the spread of knowledge, ideas, and objects.
- C. Governments imposed high import taxes on innovations originating from rival countries in order to protect their local economy.
- D. Products that had already been in use were good enough to serve the society at its stage of development.
- E. Societies refused extensive contact with outside groups for fear of being colonized or otherwise taken advantage of.

(ii) Choose from the following demands one which has NOT driven the large-scale acceptance of innovations across time and geography, according to the text.

- A. the demand for greater options
- B. the demand for lowered costs
- C. the demand for fairer wages
- D. the demand for increased quantity
- E. the demand for quicker production

I-7. 次の1から10の文から、本文の内容に一致するものを3つ選び、番号で答えよ。

1. Meng Tian's invention of the camel-hair writing brush helped improve literacy in China by decreasing the cost of writing implements.
2. Immigrants from the Korean peninsula brought paper to Japan and used it to help establish a Chinese-style nation state.
3. In Karl Marx's opinion, the Luddites could not understand that manufacturing equipment was not to blame for the loss of their jobs.
4. Sixteenth-century Aztecs resembled Protestants during the Reformation regarding their discovery of a means to spread unconventional ideas.
5. Thomas Edison is widely remembered as a mere pragmatist who reworked existing ideas into technologies that were commercially viable.
6. While it is much cheaper to produce paper now than it was in the eighteenth century, paper today has, for the most part, degenerated in quality.
7. European intellectual activity surpassed that of Arabs and Asians between the 5th and 11th centuries thanks to Europeans' adoption of papermaking.
8. Chinese and Arabic are examples of languages with linguistic features that make them less troublesome to print using moveable type.
9. From the perspective of how people have developed and used paper, world history diverges from dominant Western narratives.
10. Calligraphy, clay tablets, papyrus, parchment, and typewriters are examples of writing technologies mentioned in the text.

II 次の英文を読んで，以下の設問に答えよ。(60点)

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[Adapted from Darlene Cavalier, Catherine Hoffman, and Caren Cooper, *The Field Guide to Citizen Science: How You Can Contribute to Scientific Research and Make a Difference*. Portland, Oregon: Timber Press, 2020: 15–17.]

II-1. 下線部(1)を日本語に訳せ。

II-2. 下線部(2)を英語に訳せ。

II-3. 下線部(3)に関連して、京都議定書(Kyoto Protocol)をめぐるイギリス政府の交渉において市民科学が果たした役割とその意義とは何か。60字以内の日本語で説明せよ。(句読点も文字数に含める。)

II-4. 下線部(4)を日本語に訳せ。

II-5. 以下の(i)と(ii)の答としてもっとも適切なものを(i)についてはAからG, (ii)についてはAからEの中から選び、記号で答えよ。

(i) According to paragraph 3, in which order did the following events happen? Choose one from A to G.

ア. Rachael Carson published *Silent Spring*.

イ. Predatory birds faced a crisis because of their thinned eggshells.

ウ. Citizen scientists legally gathered eggshell samples.

エ. The pesticide DDT was manufactured.

A. ア → イ → ウ → エ

B. ア → ウ → エ → イ

C. イ → ア → ウ → エ

D. イ → ウ → エ → ア

E. ウ → イ → エ → ア

F. ウ → エ → イ → ア

G. エ → イ → ウ → ア

- (ii) Look at the double underlined part in paragraph 5. What does the author mean by “science is in flux again”? Choose one from A to E.
- A. A traditional scientific approach is considered particularly important in assessing new surroundings or environments.
 - B. Citizen scientists today are significantly affecting the world of science like their predecessors did.
 - C. It happens that the history of science is more often than not marked by images of water.
 - D. Scientists are constantly facing problems that have arisen over and over again in human history.
 - E. Scientists are reluctant to accept ideas from different occupations to create new theories.

II-6. 次の1から7の文から、本文の内容に一致するものを2つ選び、番号で答えよ。

- 1. Antonie van Leeuwenhoek encouraged his fellow citizen scientists to make science their profession as he dedicated his life to lens making and microorganisms.
- 2. A Minnesota school teacher and two of his teenage students reported evidence that monarch butterflies travel from North America to Mexico.
- 3. Tagging monarchs has led to an understanding of their migration patterns and an awareness of their decline in numbers.
- 4. Citizen scientists meet online to translate letters written by Darwin and Shakespeare.
- 5. Computers go beyond human capacity for spatial reasoning, efficiently analyzing handwritten letters and proteins.
- 6. Health monitors can record the quality of air, detect protein folding, and provide detailed data for the advancement of science.
- 7. Observations by citizen scientists have led to discoveries of new species and brought to light behaviors of endangered sea animals.