2024 年度大学院医学研究科博士課程入学試験（I 期）筆記試験（英語）

1. Read the article below and answer the question that follows in English.

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Modified from Anaemia in pregnancy: a major global health problem. Antonia W Shand, Giselle L Kidson-Gerber, Lancet. 2023 May 13;401(10388):1550-1551.

1-1 According to the passage, are the following sentences true (T) or false (F)?

A) Anaemia in pregnant women can lead to various problems, including the death of the baby either before or after birth.

B) The main therapy for treating iron deficiency and iron deficiency anaemia in pregnant women is intravenous iron.

C) Various studies suggest that intravenous iron may be a more effective treatment for anaemia than oral iron.

D) The author believes the guidelines for the care of pregnant women with iron deficiency and iron deficiency anaemia are adequate.

E) In a randomized controlled trial in Malawi, intravenous iron treatment did not significantly reduce the prevalence of anaemia in pregnant women at 36 weeks' gestation compared to oral iron.

F) One weakness of the study was that the researchers were unable to confirm whether the participating women stuck to their treatment regimen.

G) The study concluded that further high-quality research is needed to evaluate various outcomes of iron deficiency and iron deficiency anaemia treatment in pregnant women.

2. Read the article below and answer the question that follows in English.

Modified from The Role of ChatGPT in Medical Research: Progress and Limitations.
Hamza Ashraf, Haider Ashfaq, Ann Biomed Eng. 2023 Jul 14. Online ahead of print

2-1 Summarize the passage in English in about 100 words.

3. Read the article below and answer the question that follows in English.

[redacted]

Modified from Gender gap, disparity, and inequality in peer review. Jacob J Steinberg, Catherine Skae, Barbara Sampson, Lancet Volume 391, Issue 10140,   Pages 2602-2603

3-1 Write 100 to 150 words on what you think should be done to correct the situation described in the article.

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1. Read the article below and answer the question that follows in English.

1-1 According to the passage, are the following sentences True (T) or False (F)?

A) Various factors play a role in obesity including, but not limited to, a person's genetic makeup and lifestyle.

B) Obesity is associated with some of the most common diseases found in modern populations.

C) Obesity rates in the United States appear to be declining as a result of programs designed to encourage patients to follow diets and engage in physical exercise.

D) Bariatric surgery is now accepted as a treatment for obesity, but it is not suitable for everyone with the condition.

E) Lifestyle changes are considered to be the cornerstone of obesity management and treatment.

F) Antiobesity medications, such as GLP-1 receptor agonists, have been shown to be ineffective in treating obesity in children and adolescents.

G) Although comprehensive lifestyle intervention programs are effective in achieving weight reductions of at least 5%, most of those on such programs quickly regain the weight they lose.

H) The authors argue that insurance coverage for obesity management should be limited to bariatric surgery and patient education.

2. Read the article below and answer the question that follows in English.

[Text redacted]

Modified from **Tools such as ChatGPT threaten transparent science; here are our ground rules for their use.** *No authors listed* **Nature** 613, 612 (2023).

2-1 Summarize the passage in English in about 100 words.

3. Read the article below and answer the question that follows in English.

[Text redacted]

Modified from Women are credited less in science than men. Matthew B Ross , Britta M Glennon , Raviv Murciano-Goroff , Enrico G Berkes , Bruce A Weinberg , Julia I Lane. Nature. 2022 Aug;608(7921):135-145.

3-1 Summarize the possible reasons given in the text for the observed gender gap in scientific outpu.t and then give your opinions on the issue. Write 100 words.
You will lose points if you simply copy text from the passage.