島根大学大学院医学系研究科医科学専攻(博士課程)入学者選抜

(第2次募集)

英 語 B English B

(60分間)

Time limit: 60 minutes

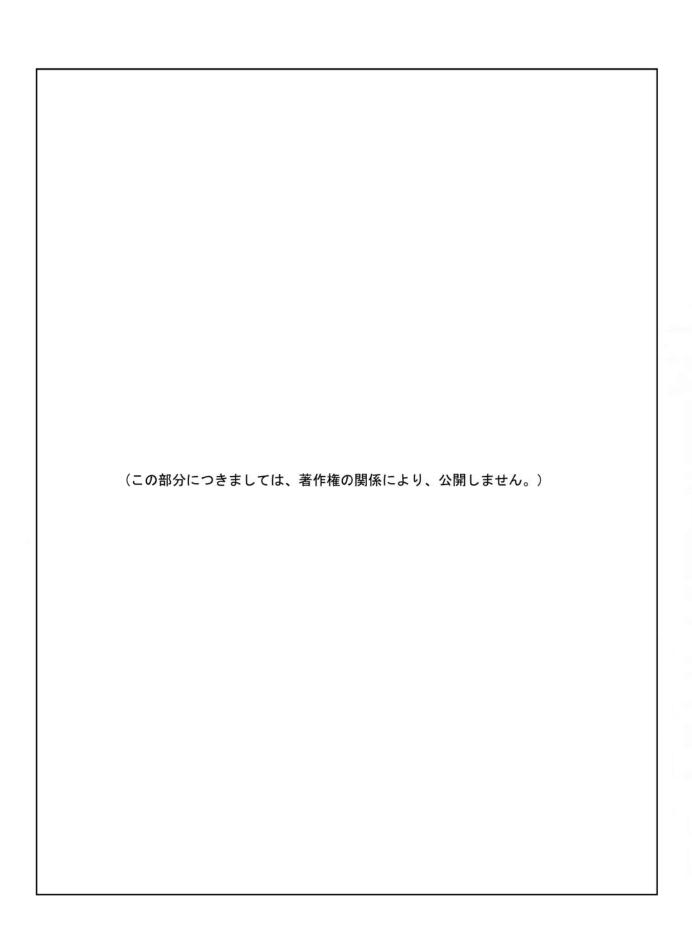
注 意

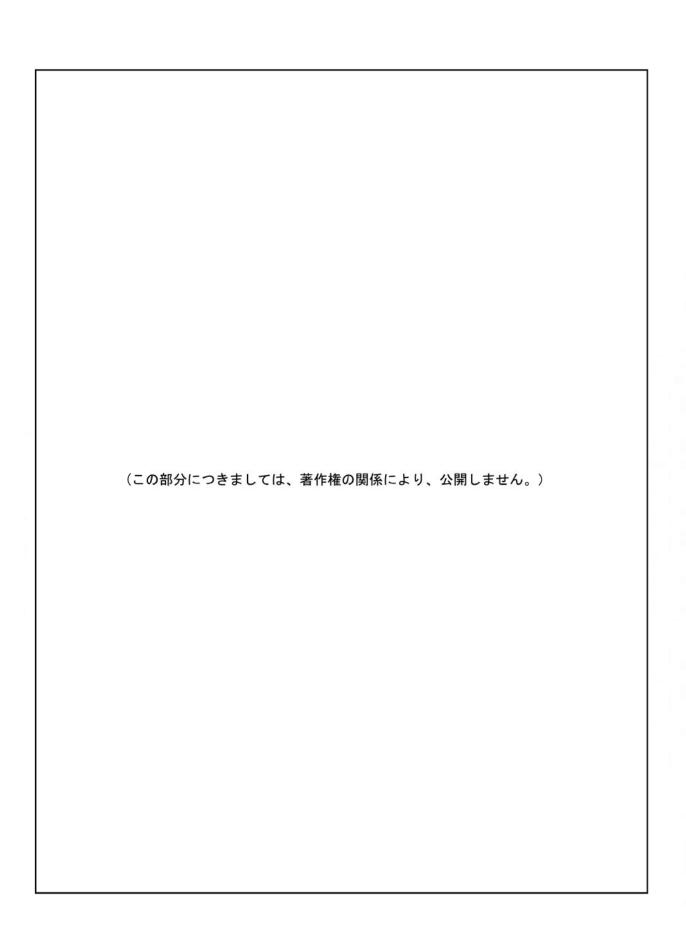
- 1. 問題紙は指示があるまで開いてはいけません。
- 2. 問題紙は表紙を除き5枚です。
- 3. 問題紙は持ち帰ってください。

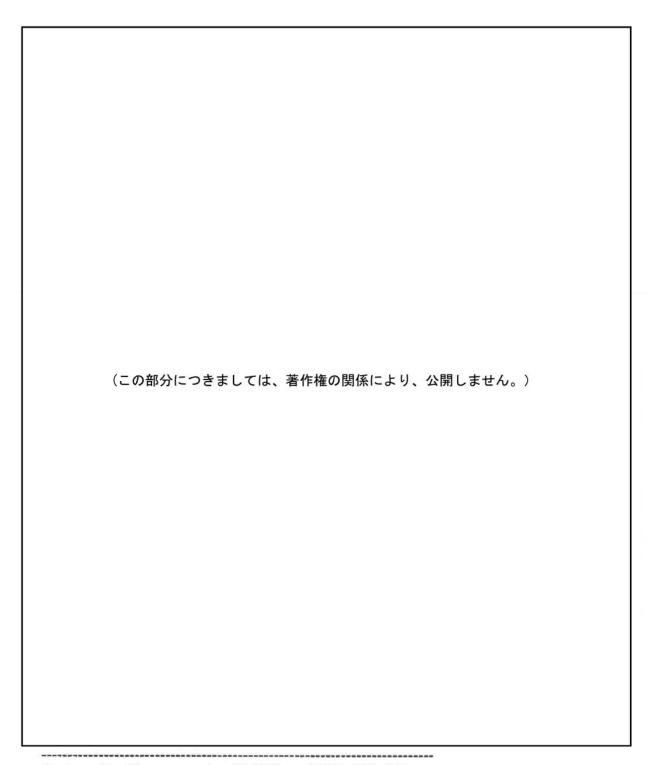
Notice:

- 1. Do not open this cover until you have been instructed to by a proctor.
- 2. The question sheet consists of 5 pages not including this cover.
- 3. You must bring the question sheet back when you are finished.

Read the paper shown below and answer the questions listed.
(この部分につきましては、著作権の関係により、公開しません。)







Source: Prz Menopauzalny 2016 Dec; 15(4): 215-219.

Questions

(Write in Japanese for Japanese students and in English for foreign students)

- Q1 Explain the possible causes of worse prognosis of ovarian cancer, compared to breast cancer.
- Q2 Explain why PARP inhibition can lead to genomic instability and cell death in BRCA-mutated cells?
- Q3 List up the potential biomarkers to predict the efficacy of PARP inhibitors.
- Q4 Why normal cells with BRCA mutation can survive under PARP inhibition, while cancer cells die?
- Q5 List up the key molecular factors that confer the resistance to PARP inhibitors.