

August 2024 Entrance Examination

Writing

Explain and describe aging from a scientific point of view.

In the written examination, basic biological questions or social issues are given, assessing the candidates' ability to think logically and to explain and express their opinions. Given that candidates answer the questions in English, the exam also assesses candidates' level of English proficiency. This question addresses aging from a scientific perspective. It assesses the candidates' abilities to think about "aging" from multiple perspectives—such as explaining aging phenomena and their causes at the organismal, cellular, and molecular levels; considering the problems and countermeasures for humans; or considering it from a social science perspective—and to explain these ideas in a logical and coherent manner.

Debate

The patent period for medical drugs should be shortened.

In the group session assessment, candidates' debate a given topic by taking either the pro or con position. The purpose is to evaluate candidates' overall abilities, such as scientific thinking skills, the ability to logically and clearly explain their own thoughts, the ability to understand others' opinions, the ability to grasp the overall discussion and respond appropriately, and teamwork skills. This question addresses the topic of pharmaceutical patents. It expects candidates to discuss the advantages, disadvantages, and challenges from multiple perspectives—for example, the viewpoints of patients, pharmaceutical developers, government/public authorities, and the general public, as well as the differing circumstances of developed and developing countries. Through this debate, the abilities described above are assessed.

January 2025 Entrance Examination

Writing

Discuss the significance of lipids in life.

In the written examination, basic biological questions or social issues are given, assessing the candidates' ability to think logically and to explain and express their opinions. Given that candidates answer the questions in English, the exam also assesses candidates' level of English proficiency. This question addresses the importance of lipids, one of the major components of living organisms. It asks whether the candidates can scientifically and logically explain the diverse functions of lipids in life, including the formation and maintenance of biological membrane structures, their functions as intracellular and extracellular signaling molecules, their role as an energy source, the problems arising from lipid deficiency or excess, and the role they played in the origin and evolution of life.

Debate

Should prenatal genetic testing be encouraged?

In the group session assessment, candidates debate a given topic by taking either the pro or con position. The purpose is to evaluate candidates' overall abilities, such as scientific thinking skills, the ability to logically and clearly explain their own thoughts, the ability to understand others' opinions, the ability to grasp the overall discussion and respond appropriately, and teamwork skills. This question asks candidates to discuss whether prenatal genetic testing should be encouraged. It expects candidates to discuss the topic from multiple perspectives, including social, ethical, and economic issues, safety concerns, potential benefits, and the necessity of the testing. Through this debate, it aims to evaluate the aforementioned abilities.