

2023 Master's Program, Graduate School of Design (General Entrance Examination) Achievement Test
Question Sheets

Examination Subject
Landscape Architecture

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- (1) Affordance
- (2) Neighborhood unit
- (3) La Ville Radieuse
- (4) Functionalism
- (5) Conventional wood-frame construction
- (6) DX (Digital Transformation)
- (7) Vegetation of Japan
- (8) Garden city
- (9) City park／Urban park
- (10) Resilience
- (11) Plywood
- (12) Vibration control of buildings
- (13) Air Pollutants
- (14) Thermal transmittance
- (15) ZEB (Net Zero Energy Building)
- (16) SDGs (Sustainable Development Goals)
- (17) Gothic Revival
- (18) Globalization
- (19) Tatami mat
- (20) Renaissance

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- Select and answer two questions from among Questions 2 to Question 4. If more than three questions are answered, they will not be marked.
- When answering the questions, use separate answer sheets for each question and keep your answer to each question on two answer sheets. The first question should be answered on the third and fourth pages of the answer sheets, and the second question should be answered on the fifth and sixth pages of the answer sheet.

Question 2: Questions on Conservation of the Natural Environment

You are required to answer three questions on the Conservation of the Natural Environment.

1. Coppice woodlands are established after felling when new shoots grow from stumps and roots. This method of creating forests after felling by utilizing the characteristics of the trees is known as coppicing. Explain the characteristics of this method of regrowth from the perspective of production forestry industry's production, the perspective of ecosystem conservation, and from the perspective of recreation for the public. (23 points)
2. Explain each of the four biodiversity crises. (12 points)
3. Explain how spring ephemeral that can only be found in deciduous broadleaved forests, e.g. Asian fawnlily, have been able to survive since the Ice Age to the present day. (15 points)

Question 3: Questions on Landscape Ecology & Urban Environmental Design (Elective)

Please answer the following four questions about the knowledge and ideas concerning landscape ecology and urban environment design.

1. Explain the phenomena and issues caused by the agricultural and industrial revolutions in England in the 18th century in about 100 characters. (10 points)
2. Explain "urbanization promotion area" and "urbanization control area." (10 points)
3. Discuss how to manage the urban open spaces that arise in the age of urban degeneracy in Japan by focusing on future operation and management policies and measures. (15 points)
4. Explain the concept of the Landscape Act by giving an example of landscape administrative bodies and its activities. (15 points)

Question 4 : Questions on Landscape planning and design (Elective)

Please answer the following four questions about landscape planning and management.

1. Indicate four planning approaches for developing superior total landscape and specifically explain each of the approaches. (10 points)
2. Explain the following four keywords for improving the qualities of living landscape. (20 points)
Describe the meaning of each keyword, and explain the way to use these keywords in actual landscape development or conservation with the specific examples.
 - (1) Identity
 - (2) Amenity
 - (3) Integrity
 - (4) Legibility
3. Explain what you know about the development of the nature conservation idea in terms of its historical process such as about when and through what stages it has gone through. (10 points)
4. Focusing on an area that you are interested in (within Japan, or your own country), specifically explain the landscape characteristics, problems, and the perspectives of improving the problems. (10 points)