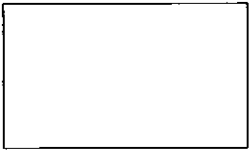


Examination Subject Landscape Architecture

Examinee's number

Question 1 (Compulsory)
Explain each of the following 20 keywords related to environmental design. (5 points x 20 questions)

- (1) Landscape Act in Japan
- (2) Allowable compressive stress for steel
- (3) Postmodernism
- (4) Personal space
- (5) Satoyama conservation
- (6) Total institution
- (7) Stainless steel
- (8) Marine pollutant
- (9) Plane (tool)
- (10) Renewable energy
- (11) Art nouveau
- (12) Heat transmission coefficient
- (13) The Image of the City
- (14) Building construction and construction method
- (15) Tsubo-niwa (courtyard garden)
- (16) Resilience
- (17) Western architectural styles
- (18) Kenzo Tange
- (19) Green infrastructure
- (20) WBGT (Wet Bulb Globe Temperature)



Question and Answer Sheets

Examination Subject Landscape Architecture

Examinee's number

(Page 2 of 4)

[Questions 2 to 4 (Elective)]

- Select and answer two questions from Question 2 to Question 4. If you answer three or more questions, your answers will not be marked.
- Use the third and fourth sheets of the Answer Sheets, and a separate answer sheet must be used for each question to keep each answer on one sheet.

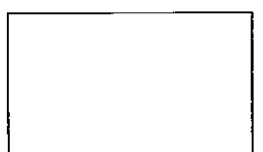
Question 2. Problems related to conservation of the natural environment (elective)

Answer three questions about the knowledge and ways of thinking concerning natural environment conservation.

1. Our lives are supported by "ecosystem services" obtained from "nature (biodiversity)". These services are said to consist of the following four types: provisioning services, regulating services, habitat services, and cultural services. For each of these four services, describe a possible concrete content. (15 points)

2. I would like to ask about vegetation succession. There are primary transitions and secondary transitions. Please explain the difference. Also, explain the process of succession of evergreen broad-leaved forest zone, indicating the names of representative tree species. (12 points)

3. In recent years, surveying has been carried out from the air using unmanned aerial vehicles (UAVs). Explain specifically how to process aerial photographs and 3D point cloud data, and how to use the data. (23 points)



Examination Subject Landscape Architecture

Examinee’s number

Question 3. Problems related to landscape ecology and urban environmental design (Elective)
Answer four questions about the knowledge and ways of thinking concerning landscape ecology and urban environment design.

1. Describe the phenomena and problems caused by the agricultural and industrial revolutions in England in the 18th century in approximately 100 characters.
(10 points)

2. Outline the zoning system. (10 points)

3. In the era of urban shrinkage in Japan, how should we manage the resulting vacant land?
Discuss future measures and policies for operation and management. (15 points)

4. In recent years, park management has been attracting attention as a utilization policy for parks as a public stock. Give an example and explain the idea, challenges, and possibilities. (15 points)

