

Examination Subject Urban and Architectural Design
--

(Page 1 of 3)

Question 1: 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)

Examination Subject
Urban and Architectural
Design

(Page 2 of 3)

- * Select and answer two questions from Question 2 to Question 5. If more than three or more questions are answered, 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: Questions on Architectural Planning (50 points)

1. Explain the purpose and practical development of the "usage surveys". (10 points)
2. Explain the advantages and challenges of the "subject classroom approach". (10 points)
3. Explain the main points of "staff station" in ward planning. (10 points)
4. Discuss the "multi-layered nature" of space from the viewpoint of architectural planning, citing specific examples. (20 points)

Question 3: Questions related to Urban and Architectural Design (50 points)

1. Answer the following questions (1) and (2) regarding urban design. (Your answer must be about 1/2 of the answer sheet.)

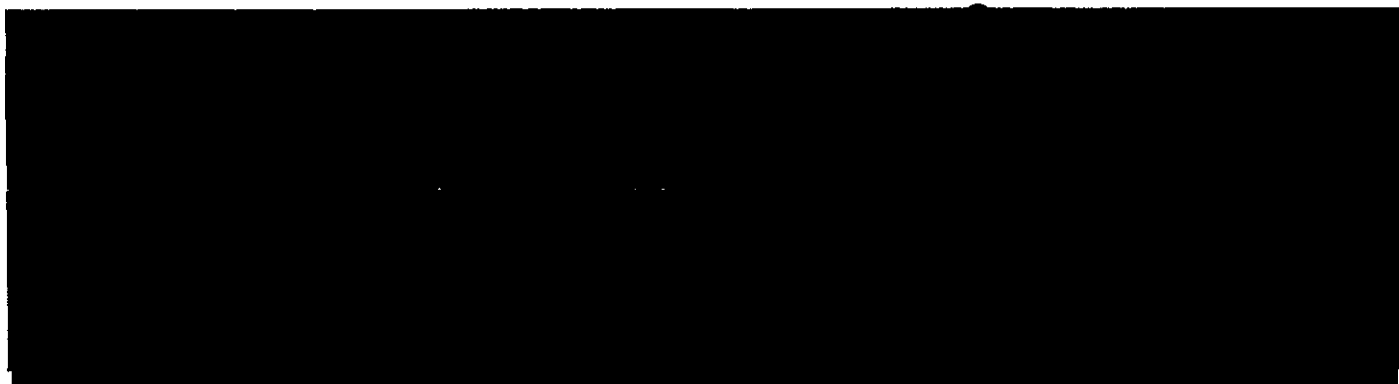
(1) Describe the author of the Japanese urban park project and explain the intent of its design shown at right (the figure is an initial draft plan). (10 points)

(2) Select any one city that has an urban axis and discuss the "axiality" or "symbolism" of the city. (15 points)



2. Answer the following questions (1) and (2) about Architectural Design. (Your answer must be about 1/2 of the answer sheet.)

(1) Describe the author and the contents of the architectural drawing shown below. (10 points)



(2) Discuss your own vision of the potential of temporary architecture in the contemporary era. (15 points)

Examination Subject Urban and Architectural Design
--

(Page 3 of 3)

Question 4: Question on Architectural Environmental Design (50 points)

1. Explain human aural sensation in relation to the three elements of sound. Use diagrams if necessary (10 points).
2. Explain in figures and text the thermal sensation when the thermal environment changes due to human movement, etc., in relation to the two aspects of the human condition and the environmental condition. (15 points)
3. Explain the typical points to be considered when using color for visual signs in an aging society. (10 points)
4. It is known that distances between humans can be broadly classified into four types, called proxemics, depending on the relationships in a given situation. Explain each type, also citing specific distances. (15 points)

Question 5: Question on Building Construction (50 points)

1. Describe the town or city where you were born from the points of view of geography, history, climate, and natural features. Then describe the buildings that define the landscape of the town or city in which you were born and raised, either in terms of their structural characteristics or in terms of architectural production. (20 points)
2. List one architect from Japan and one from abroad whom you like. Give an example of one representative work of each architect, explain the works from the viewpoint of the construction method and architectural production characteristics, and explain why you like each architect. (20 points)
3. Since the first World's Fair in London in 1851, international expositions (World Expositions) have been held around the world. Select one of the pavilion buildings or structures from previous Expositions that has influenced the architecture of future generations, and explain how it has influenced the construction method and architectural production characteristics. (10 points)