

2026 Master's Program, Graduate School of Design (General Entrance Examination) Achievement Test
Question Sheets

Examination Subject Urban and Architectural Design
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Question 1 (Compulsory)

Describe each of the following 20 keywords related to environmental design. (5 points × 20 questions)

- (1) Short-term load
- (2) *Zenshuyo* Style
- (3) Garden city
- (4) Cross rib vault
- (5) Territory
- (6) Asbestos
- (7) Landscape Act in Japan
- (8) Plane (tool)
- (9) Law for the Protection of Cultural Properties (Japan)
- (10) Marine pollutant
- (11) City park
- (12) Crowd
- (13) Conservation of *satoyama*
- (14) Brutalism
- (15) Habitat 67
- (16) La Ville Radieuse
- (17) Art nouveau
- (18) Other effective area-based conservation measures (OECM)
- (19) Heat pump
- (20) Carbon negative

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- * Choose and answer two questions from Question 2 to Question 5. If you answer more than three questions, your answer will not be marked.
- * When answering the questions, use a separate answer sheet for each question. Each answer should be on a single sheet. The first question of your choice must be answered on the third sheet of paper and the second question on the fourth sheet of paper.

Question 2: Questions on architectural planning (50 points)

1. Explain the “Individuality and Publicness” of housing complex. (10 points)
2. Explain the significance and issues of “Transaction between school and community facility” (10 points)
3. Explain the “Hospital Architecture” that F. Nightingale aimed for. (10 points)
4. Discuss the “Spatial Adaptability” from the viewpoint of architectural planning theory, citing specific examples. (20 points)

Question 3: Questions on architectural design and urban planning (50 points)

1. Answer the following questions (1) and (2) regarding urban planning.(Use about 1/2 of the answer sheet)
 - (1) Describe the author and explain the urban project shown on the right. (10 points)
 - (2) Describe your thoughts on how to rebuild cities that have been damaged by war or natural disasters. (15 points)

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2. Answer the following questions (1) and (2) regarding architectural design.(Use about 1/2 of the answer sheet)

- (1) Describe the author and the contents of the architectural drawing shown at bottom. (10 points)

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- (2) Discuss architecture suitable for tropical climates from the three perspectives of architectural planning, construction methods, and building materials, incorporating specific design strategies. In addition, draw one architectural sketch related to your essay, and use it to support and explain your argument. (15 points)

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Question 4: Questions on architectural environmental planning (50 points)

1. Explain what you know about the mechanism and characteristics of how humans perceive color based on information obtained from the eyes. (10 points).
2. Describe how each of the following items related to the acoustic environment should be considered in architectural design, using diagrams where appropriate. (20 points)
 - Improving sound insulation and walls
 - Quantity and quality of sound reverberation
3. Explain the thermal sensations of cold, hot, comfortably cool, and comfortably warm from the perspective of both the body and the environment thermal conditions. (10 points)
4. Explain what is known about the way people maintain distance from each other, the classification of such distances, and the factors that influence them. Give examples to explain how this knowledge is applied in environmental design. (10 points)

Question 5: Questions on building construction (50 points)

1. Who designed the Crystal Palace for the first World's Fair held in London in 1851? Explain what technology was used to construct the Crystal Palace. Next, explain the influence the Crystal Palace had on later architecture in terms of building construction and architectural production. (10 marks)
2. Select one legacy pavilion or structure from a past international (prior to Expo 2025 Osaka/Kansai) or regional expo and describe that pavilion or structure in terms of building construction and architectural production. (10 marks)
3. Select three pavilions or structures from the current Expo 2025, Osaka, Kansai and explain them in terms of building construction and architectural production. (30 marks)

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Answer Sheets

Examinee's number

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Question 1

Write your answer along the ruled line corresponding to the keyword number.

- (1) _____

- (2) _____

- (3) _____

- (4) _____

- (5) _____

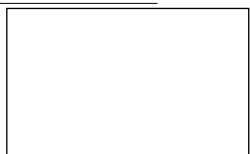
- (6) _____

- (7) _____

- (8) _____

- (9) _____

- (10) _____



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Answer Sheets

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Question 1 (continued)

Write your answer along the ruled line corresponding to the keyword number.

(11) _____

(12) _____

(13) _____

(14) _____

(15) _____

(16) _____

(17) _____

(18) _____

(19) _____

(20) _____



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Question ____ (Write the number of the question which you answer from question 2 to question 5 along the underline.)



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Answer Sheets

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Question ____ (Write the number of the question which you answer from question 2 to question 5 along the underline.)

