

2024 Master's Program, Graduate School of Design (General Entrance Examination)  
Achievement Test  
Question and Answer Sheets

Examination Subject
Media Science

Examinee's number

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Question 1 is a compulsory question. For Question 2 [consisting of Questions 2-A, 2-B, and 2-C], select and answer two of the three questions.

**Question 1 (Compulsory question)** Answer the following three questions.

- Question 1-1. Explain the significance of studying optical illusions. (20 points)
- Question 1-2. What is the "Psychometric Function"? Explain it concisely. (20 points)
- Question 1-3. Explain the color-matching functions of CIE (Commission internationale de l'éclairage) color system, in as much detail as possible. You may use diagrams, if necessary. (20 points)



Do not write on the back side of the answer sheet, or your answers will not be marked.

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Question 2 (Elective question)

Select and answer two of the three questions below [Questions 2-A, 2-B, and 2-C].

Question 2-A. Answer all of the three questions listed below. (70 points)

1. Provide two examples of aftereffects in vision and explain them in as much detail as possible. Diagrams may be used.

2. Provide two examples of contrasts in vision and explain them in as much detail as possible. Diagrams may be used.

3. Explain size constancy in as much detail as possible. Diagrams may be used.



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Question 2-B.

The definition of “Vection” has changed many times in the history of its research. Explain those previous definitions of vection and write your thoughts about how it will change further going forward. (70 points)

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Question 2-C.

Explain the following terms in color science, in as much detail as possible. You may use diagrams, if necessary. (70 points)

- 1) color order system
- 2) the Munsell color system
- 3) the natural color system
- 4) the Ostwald color system

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