2025 Master's Program, Graduate School of Design (General Entrance Examination) Achievement Test Question and Answer Sheets

Examination Subject Media Science

Examinee's number	

	Micula Berefice	
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Question 1 is a compulsory question. All of Questi must choose two of the three questions [Questions		oy all examinees. Question 2 is an elective question. You
Question 1 (Compulsory questions) Answer the following three questions • Question 1-1. Illustrate four types of geometrical	al illusions and briefly explain how each i	illusion appears. (20 points)
		signing numbers that define a scale as "levels, or scales, o ese levels of measurement, explain "interval scale" in as
 Question 1-3. Explain "luminance" as a lighting You may use diagrams if necessary. (20 points) 	g vocabulary and the "unit: cd/m² (unit of	measurement)" of luminance in as much detail as possib

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tuestion 2 (Elective question) hoose two from the following three questions [Questions 2-A, 2-B, and 2-C] and answer. uestion 2-A. Answer the three questions listed below. (70 points) Give two examples of the illusions of visual object notions and explain them in as much detail as possible. Diagrams may be used. Give examples of soldjective contours and describe them in as much detail as possible. Diagrams may be used.		Media Science		
hoose two from the following three questions [Questions 2-A, 2-B, and 2-C] and answer. uestion 2-A. Answer the three questions listed below. (70 points) Give two examples of the illusions of visual object motions and explain them in as much detail as possible. Diagrams may be used. Give examples of subjective contours and describe them in as much detail as possible. Diagrams may be used.		(Page 2 of 4)		—
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Explain the blind spot in as much detail as possible. Diagrams may be used.	Give examples of subjective contours and describe the	nem in as much detail as possible. Diagran	ns may be used.	
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Question 2-B.			
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If the subjective strength of vection is obtained using the magnitude estimation method, which level is the subjective value considered to be at among Stevens' four levels of measurement? Explain your ideas as clearly as possible, giving examples of statistical methods used in previous research on vection. (70 points)

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Question 2-C.

- 1) Visual colorimetry is a method of measuring color using the Munsell color chart. Explain the method of visual colorimetry. Furthermore, list three points to be considered when measuring color and explain why. (40 points)
- 2) Given a display that reproduces colors by additive color mixing of the three primary colors of RGB, calculate the xy chromaticity and luminance of the reproduced color if the CIE 1931 xy chromaticities and luminances of R, G, and B are as shown in the table below, respectively. Round to the fourth decimal place. (30 points)

	CIE 1931 c	Luminance	
Primary			
	Х	у	(cd/m^2)
R	0.64	0.33	16.5
G	0.30	0.60	30.0
В	0.15	0.06	12.0