國立成功大學

112學年度碩士班招生考試試題

編　號：205

系　所：建築學系

科　目：設計理論

日　期：0207

節　次：第 3 節

備　註：不可使用計算機

※ 考生請注意：本試題不可使用計算機。 請於答案卷(卡)作答，於本試題紙上作答者，不予計分。

The questions consist of three parts:

Part A examines the candidate's basic knowledge in architecture and design. Please answer any ONE (1) of the given questions.

Part B tests the applicant's basic knowledge in architecture technology. Please answer any ONE (1) of the given questions.

Part C explores the applicant's ability to think creatively. Please answer any TWO (2) of the given questions. (本大題請於答案卷 3、4 頁作答。)
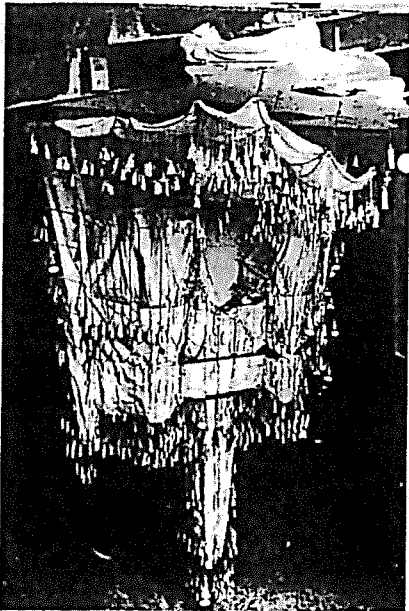
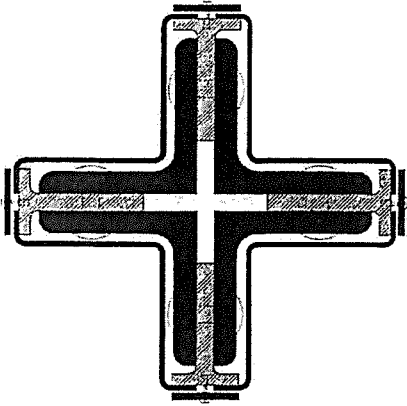**Part A: Answer any ONE (1) of the following questions. (20%)**
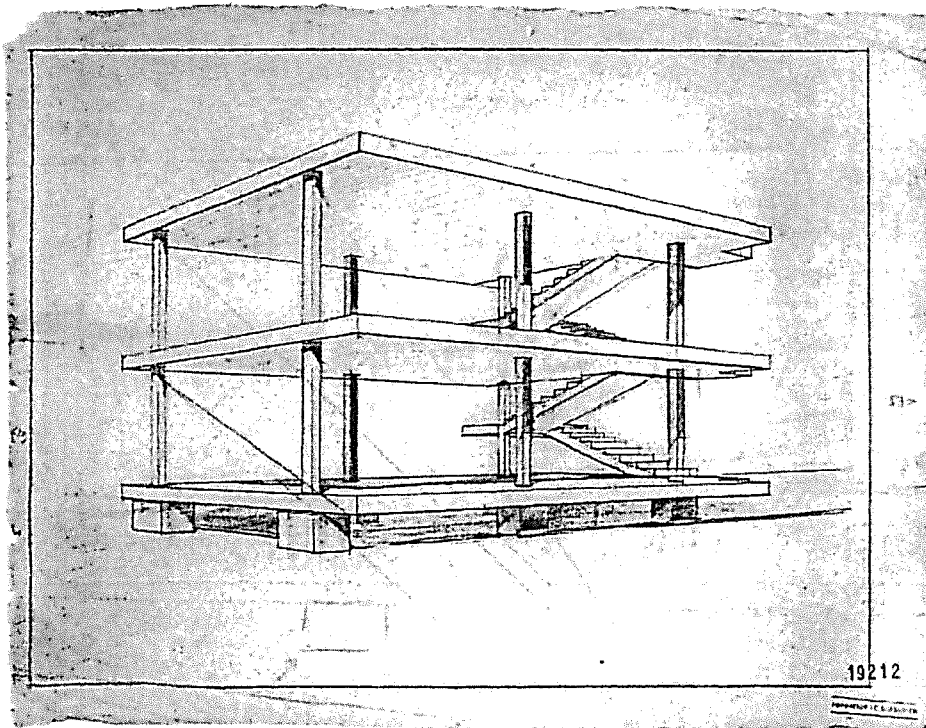
A1. Who is the designer of the above drawing? And what is the significance of this diagram?
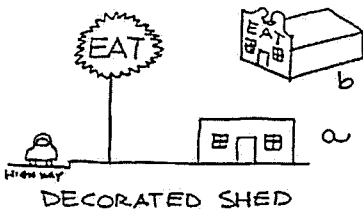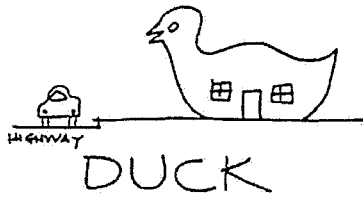
A2. Who is the designer(s) of the above sketches? And what is the significance of this sketch?

A3. Who is the designer of the above study model? And what is the significance of this catenary model?

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A4. Who is the designer of the above detail? And what is the significance?

Part B: Answer any ONE (1) of the following questions. (20%)

B1. Parametric design in architecture is an algorithm-based method linking design intent with design outcome by having near infinite variations. Please explain how this computing power is or is not contributing to the design process positively.

B2. The UN Sustainable Development Goals defines "Sustainability" as having three pillars: Environment, Economy and Society. Please explain why it is important to integrate all three of these factors.

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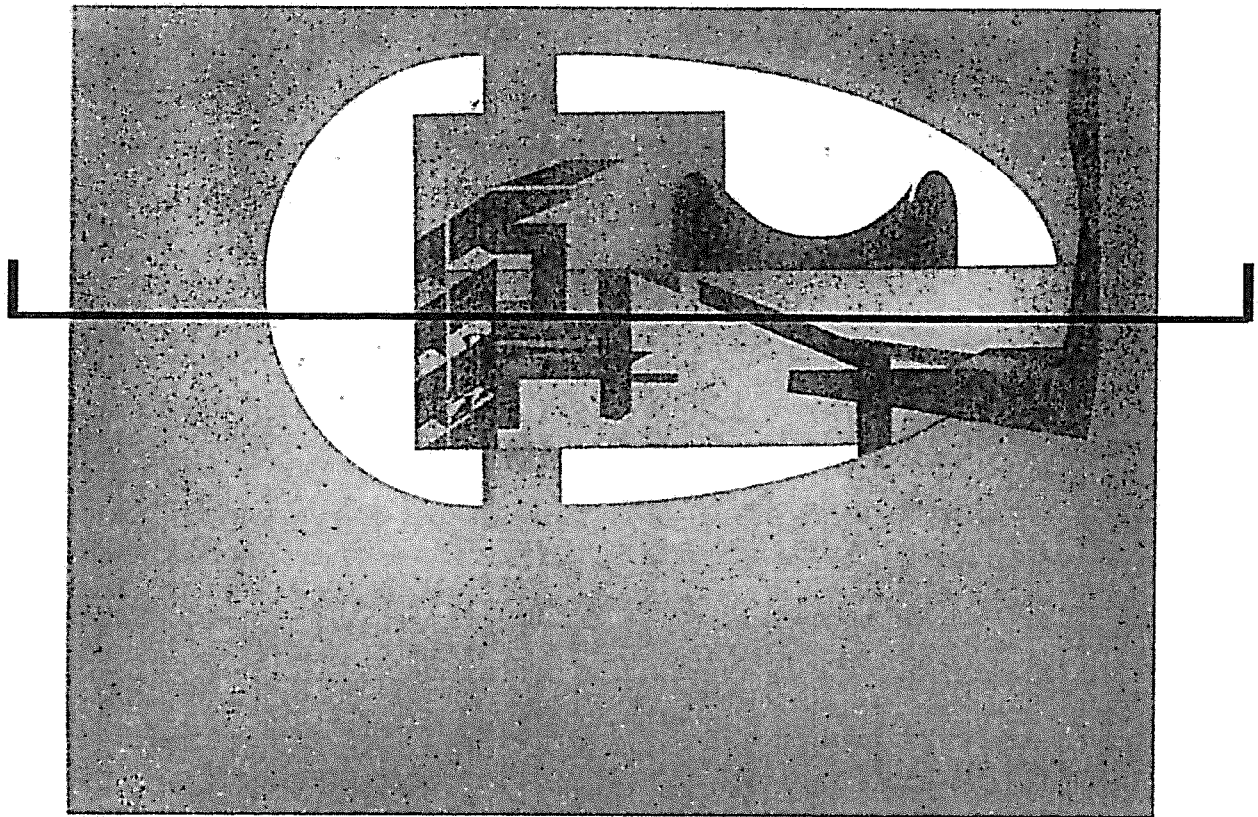**Part C: Answer any TWO (2) of the following questions. (60%)** 本大題請於答案卷 3、4 頁作答。
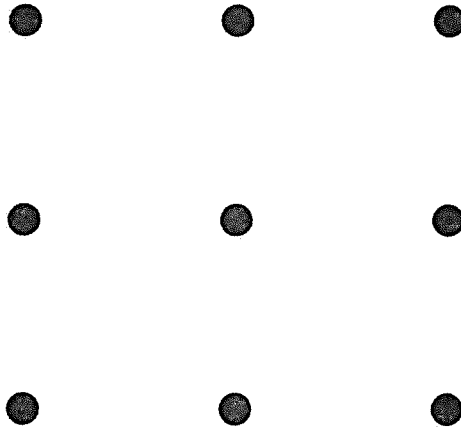
C1. CONNECT THE DOTS

Using a maximum of 4 lines to connect all 9 dots without lifting the pencil (dots are equally spaced).

請在不抬起鉛筆的情況下用最多 4 條直線連接 9 個點。

Brain teaser by Unknown, 1914

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C2. SECTION OF A DRAWING

Create a section from the above drawing by cutting through the location indicated by the black line.

請由黑線指示的位置畫一張剖面圖。

Unit Object - Sculpture Garden by Seher Shah, 2019

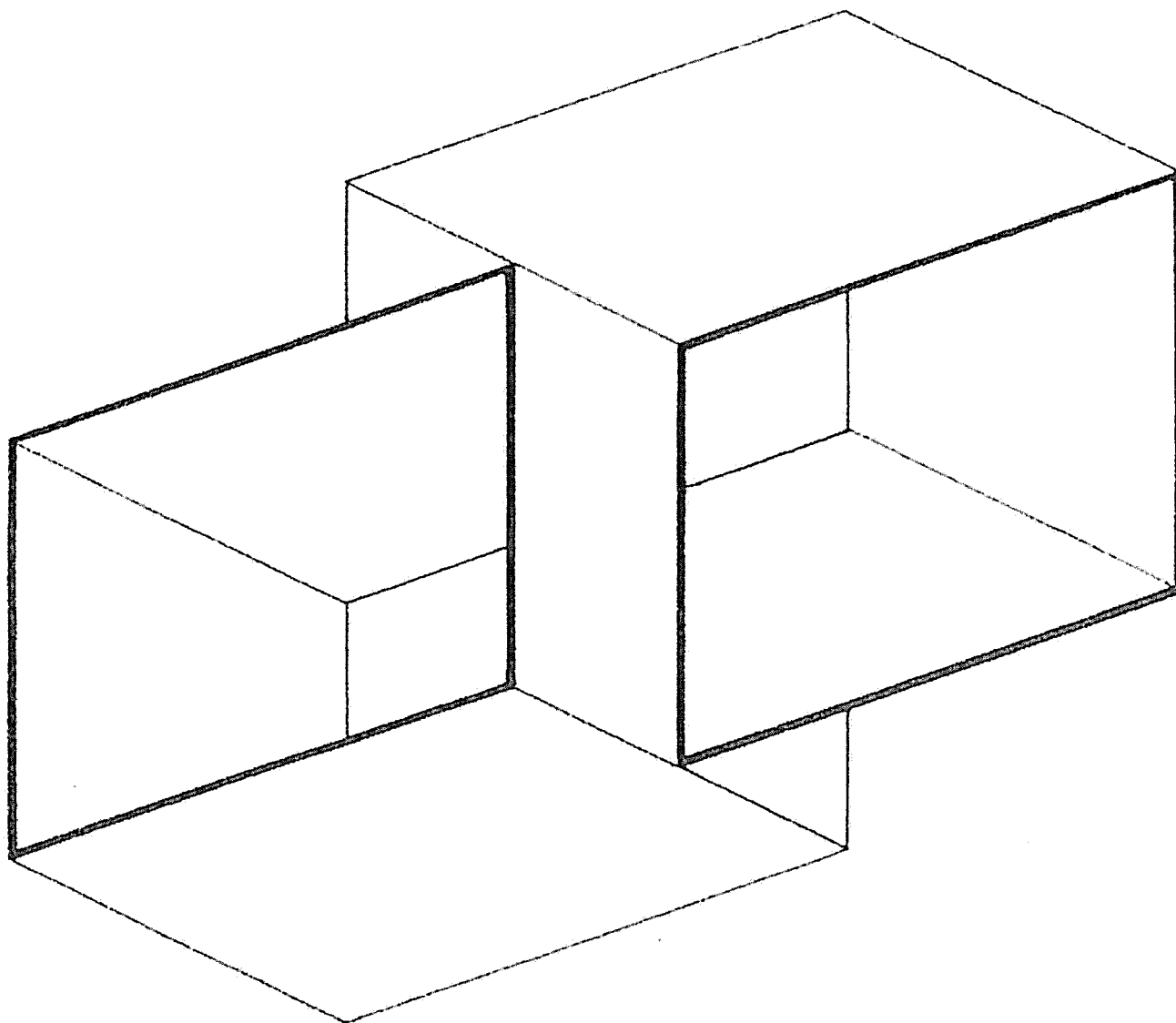## C3. PERSPECTIVE OF A SPACE

Create a one-point perspective from the above drawing.

根據以上圖創造一張單點透視圖。

Structural Constellations by Josef Albers, 1955