

KATHMANDU UNIVERSITY
End Semester Examination
March/April, 2025

Marks Scored:

Level : B.E.

Year : I

Exam Roll No. :

Time: 30 mins.

Registration No.:

Course : MEEG 126

Semester : I

F. M. : 10

Date :

5 APR 2025

SECTION "A"

[20Q. × 0.5 = 10 marks]

Choose the most appropriate answer and **encircle**.

1. A rough or unfinished drawing defined by lines only is called a _____.
a. Figure b. Sketch c. sign d. Graphic
2. What is the primary tool used to define geometric shapes in "Freehand Line Practice"?
a. Shading b. Colour c. Line d. Texture
3. Creating 3D model from hard materials by cutting or chipping away is called _____.
a. Modelling b. Carving c. Prototyping d. Replication
4. The quality of a surface that can be felt or perceived visually is called _____.
a. Form b. Line c. Colour d. Texture
5. Which type of shape is often found in nature and expresses natural feeling?
a. Geometric shape b. Mechanical shape
c. Organic shape d. Complex shape
6. Which of the following is a 2D element of visual design?
a. Form b. Texture c. Shape d. Depth
7. Aesthetics in design is primarily concerned with _____.
a. Technical function b. Appearance
c. Practical function d. Symbolic function
8. Which of the following is the first stage in the design process?
a. Analyze the situation b. Write a brief
c. Situation d. Carry out research
9. Which of the following is NOT considered a branch of design related to engineering?
a. Automobile design b. Sound design
c. Software design d. Fashion design
10. The word "design" originates from the Italian word _____.
a. Desigcano b. Designe c. Designoto d. Disegno

Tick right [✓] or wrong [×] on following.

11. Proportion in design refers to the relationship of dimensions or the delivery of forms. []
12. Carving is an additive process of creating a form. []
13. Texture in design refers only to the tactile or physical feel of a surface. []
14. Inorganic shapes are geometric and mechanical, like squares and circles. []
15. A line is a linear mark created by a moving point on a surface. []
16. Research is unnecessary if a problem can be solved 'straight out of your head'. []
17. By adding either black or white to a colour, we can change its tone. []
18. A prototype is usually built first as the final product. []
19. Design is strictly separated from engineering disciplines like mechanical and architectural engineering. []
20. When you sit down to work, make sure that the light comes from your left if you're left-handed and from your right if you're right-handed. []

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Year : I
Time : 2 hrs. 30mins.

Course : MEEG 126
Semester : I
F. M. : 40

15 APR 2025

SECTION "B"

[6Q. × 4 = 24 marks]

Elaborate in brief on given topics. Attempt *ANY SIX* topics.

1. Harmony
2. Negative Space
3. Illusionary Form
4. Color Intensity
5. Proportion
6. Formal Balance
7. Real Texture

SECTION "C"

[2 Q. × 8 = 16 marks]

Attempt *ANY TWO* questions.

8. Drawing is a fundamental skill in the design process. Reflect on the freehand line and shading practices through one of any product drawings as per the course. Discuss how these exercises contribute to developing essential design skills, and explain the importance of observational drawing in the design process.
9. Design is a multifaceted concept that has evolved over centuries. Based on the lessons provided during your class, discuss the historical evolution of the definition of "design," and explain how its current understanding encompasses both art and engineering.
10. Aesthetics plays a crucial role in design, influencing how design engineer perceive and interact with objects. Explain the key factors that determine a design's aesthetic appeal, and discuss how the elements and principles of design contribute to creating aesthetically pleasing and functional products.

