

2 Mark Answers

1.What is design? Write any four basic elements of design.

Answer:

Design is the process of creating a plan or blueprint for the construction of an object, system, or measurable human interaction.

Four basic elements of design are:

1. Line
2. Shape
3. Color
4. Texture

2.Define Empathy.

Answer:

Empathy:

In design thinking and innovation, empathy refers to the process of deeply understanding the needs, experiences, and emotions of users or stakeholders.

3.Explain any one tool used in design thinking process.

Answer:

One tool used in Design thinking and innovation is **ideate**

In design thinking and innovation, *ideate* is the stage where teams generate a wide range of creative ideas and potential solutions to address a defined problem.

5 It encourages divergent thinking, brainstorming, and exploring multiple possibilities without judgment.

4.What are the benefits of design thinking?

Answer:

Design thinking offers several benefits:

1. **Innovation:** Encourages creative problem-solving by focusing on user needs.
2. **Collaboration:** Promotes teamwork and diverse perspectives, enhancing solutions.

5.What is the role of prototyping in design thinking?

Answer:

Role of Prototype in Design Thinking:

In design thinking, prototyping involves creating simple, low-cost versions of a product or solution to quickly explore ideas and gather feedback.

This process encourages creativity and ensures the final product meets user needs effectively.

6.Define prototype in design thinking process.

Answer:

In the design thinking process, a prototype is a scaled-down, early version of a product or system used to test and validate ideas.

It allows designers to explore solutions, identify issues, and gather user feedback before finalizing the design.

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