

## **Design Thinking**

### **Unit III**

#### **MCQs:**

**1. Which of the following is NOT a useful brainstorming technique?**

- a. Out of box thinking
- b. Coherent Thinking
- c. Generating ideas in the area of interest
- d . Critical Thinking

**Answer: C**

**2. What is a mind map?**

- a. a diagram to visually organize concepts and ideas
- b. a diagram used by phrenologists to map the brain and its functions
- c. a detailed business plan for new ventures
- d. a chart that analyzes a business's strengths, weaknesses, opportunities, and threats

**Answer : A**

**3. Mind mapping refers to**

- a. An action plan for an adventure
- b. A technique to enhance comprehension
- c Drawing the picture of mind
- d. Studying the functions of mind

**Answer: B**

**4. Mind map are used to visualise**

- a. Generating
- b. Visualization
- c. structure
- D. All the above

**Answer: D**

**5. Which type of problem does design thinking typically deal with?**

- a. simple problems
- b. Complex Problem
- c. well-defined Problems
- d. Objective Problems

**Answer: B**

**6. Which type of thinking is employed by designers to develop their understanding of a problem?**

- a. Deductive reasoning
- b. Inductive reasoning
- c. Abductive reasoning
- d. Productive reasoning

**Answer: C**

**Fill in the blanks:**

1. \_\_\_\_\_ is a group activity to generate a large number of ideas to find out of the solution to a problem.

**Answer: Brainstorming**

2. \_\_\_\_\_ phase of Design Thinking the design team uses utilizes Brainstorming Techniques.

**Answer: Ideation**

3. \_\_\_\_\_ is a method that works with problem analogies and put them in a different, seemingly not a all linked, environment.

**Answer: Synectics**

4. \_\_\_\_\_ is the process of exploring the given Problem and its context and reinterpreting or restructuring the given problem.

**Answer: Problem Framing**

5. Deductive and inductive logical thinking that utilizes \_\_\_\_\_ to arrive at conclusions

**Answer: Quantitative methodologies**

6. Design Thinking is a combination of Intuitive and \_\_\_\_\_

**Answer: Analytical Thinking**

7. A business man gets \_\_\_\_\_ after analyzing the past to predict the future.

**Answer: Reliability**

8. Design thinking is a whole process put in place for the purpose of coming up with a \_\_\_\_\_

**Answer: Design solution, or to innovate.**

9. Rashmi is creating a new product for Architectural college students. She takes a design- thinking approach. Her first step is, addressing who she is creating the product for? and conducts research on understanding this target market. What is this step in the design thinking process? \_\_\_\_\_.

**Answer: Empathise**

10. A problem that is complex and has no definitive formulation or solution is known as \_\_\_\_\_.

**Answer: wicked Problem.**

### **TRUE/FALSE**

1. By brainstorming, we can take a less number of approaches and exploring conventional means and running into the associated obstacles. **(True/False)**
2. Mind maps are a great way to organize thoughts more productively. **(True/False)**
3. Mind mapping must be a individual sport to succeed. **(True/False)**
4. synectics is derived from the Greek word "synectikos," which means to bring different things into unified connection. **(True/False)**