

**BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)**  
**B. Tech. Sem - VI COMPUTER SCIENCE & ENGINEERING : SUMMER : 2024**  
**SUBJECT: DESIGN THINKING**

Day : Tuesday  
Date : 28/05/2024

S-25599-2024

Time : 02:30 PM-05:30 PM  
Max. Marks : 60

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Assume suitable data **WHEREVER** necessary.
- 4) Draw neat diagrams **WHEREVER** necessary.

Q.1 Draw and explain the framework of Design Thinking with its five stages. (10)

**OR**

Q.1 What are the pillars of Design Thinking? Explain it with suitable examples. (10)

Q.2 What is empathy? Why is it essential to Design Thinking? What are its stages? (10)

**OR**

Q.2 Explain Immersion Activity in detail with example. (10)

Q.3 What do you mean by Personas? Are they real or fictional? Explain in detail. (10)

**OR**

Q.3 Explain how personas help organization with suitable example. (10)

Q.4 What are the steps of Ideate phase in Design Thinking? (10)

**OR**

Q.4 Explain the concepts of Doodling and Storytelling with examples. (10)

Q.5 Write a note on 'Service Value Proposition'. (10)

**OR**

Q.5 Describe activities in Prototyping. (10)

Q.6 State and explain various steps for conducting a user test. (10)

**OR**

Q.6 Why testing is needed in Design Thinking? Discuss in brief. (10)

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