

**B. TECH. (COMPUTER SCIENCE & BUSINESS SYSTEMS) (CBCS - 2018 COURSE)**

**Computer Science & Business Systems**

**B.Tech. (CSBS) Sem - V :SUMMER : 2023**

**SUBJECT : DESIGN THINKING**

Day : Wednesday

Time : 10:00 AM-01:00 PM

Date : 17-05-2023

**S-20464-2023**

Max. Marks : 60

---

**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat labeled diagrams **WHEREVER** necessary.
- 

**Q.1** How Design Thinking (DT) works in product development process? Explain. (10)

**OR**

**Q.1** "Design thinking is human centric". Justify. (10)

**Q.2** Why empathy is important? What are some key methods for building empathy? (10)

**OR**

**Q.2** Create a product user persona with familiar set of icon (assume suitable data)? (10)

**Q.3** Explain Goal directed persona with suitable example. (10)

**OR**

**Q.3** Explain six thinking hats and explain how do improve decision making with example. (10)

**Q.4** What do you mean by 2- million dollar idea? How it works? (10)

**OR**

**Q.4** Write a note on brainstorming techniques. What are rules of brainstorming? (10)

**Q.5** What are different types of prototyping? How to develop value proposition statement. (10)

**OR**

**Q.5** What are advantages of prototyping? Give guidelines to develop prototype. (10)

**Q.6** Explain testing phase in DT. What is user testing? Give advantages of user testing. (10)

**OR**

**Q.6** Give guidelines for planning a test. How design thinking complement Agile model? (10)

\* \* \* \*