

**B. TECH. (COMPUTER SCIENCE & BUSINESS SYSTEMS) (CBCS - 2018 COURSE)**  
**B.Tech. (CSBS) Sem - VII : WINTER : 2023**  
**SUBJECT : USABILITY DESIGN OF SOFTWARE APPLICATIONS**

Day : Friday

Date : 1/12/2023

Time : 02:30 PM-05:30 PM

Max. Marks : 60

**W-20477-2023**

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Use of non-programmable calculator is **allowed**.
- 4) Assume suitable data **WHEREVER** necessary.
- 5) Draw neat diagram **WHEREVER** necessary.

- Q.1 Outline the common interface styles used in interactive system. (10)  
**OR**
- Q.1 Write neat sketch, explain the interaction design process. (10)
- Q.2 Design a web interface for a 'Library Management System'. Evaluate the product from user centered design. (10)  
**OR**
- Q.2 Is good design of user interface important? What comprises a good design? Explain. (10)
- Q.3 Design an experiment to test whether adding color coding to an interface will improve accuracy. Identify your hypothesis, participant groups, and dependent and independent variables experimental design, task and analysis approaches. (10)  
**OR**
- Q.3 With suitable example, discuss about the Heuristic evaluation. (10)
- Q.4 What is a stakeholder? Outline the types of stakeholders appraise the stakeholders for an airline booking system. (10)  
**OR**
- Q.4 Write short notes on : (10)  
i) UX research  
ii) User interviews.
- Q.5 Define persona and write scenario for booking online movie tickets. (10)  
**OR**
- Q.5 Elaborate the task flow detailing for application meant for computer mediated communication. (10)
- Q.6 Explain in detail the concept of project prototyping iterations. (10)  
**OR**
- Q.6 Discuss about paper and electronic prototype with suitable example. (10)

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