

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

B.Tech. (CSBS) Sem - VII : WINTER- 2022

SUBJECT : USABILITY DESIGN OF SOFTWARE APPLICATIONS

Day : Wednesday

Time : 02:30 PM-05:30 PM

Date : 07-12-2022

W-20477-2022

Max. Marks : 60

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 How to know about system users? Explain various methods adapted in user centered design. What are the people directly or indirectly affected by student registration system? (10)

OR

Q.1 What are difference between menu bar and tool bar? Many times users face problems in understanding toolbar icons, how to resolve this issue. (10)

Q.2 When systems are not designed to match the way people actually work then users end up having to do 'work around'. Discuss. (10)

OR

Q.2 How does making a call differs when using i) cell phone ii) smart phone. Evaluate the products from user centered design aspects. (10)

Q.3 What is design? What are the golden rules of design? Illustrate the process of interaction design. (10)

OR

Q.3 Explain Nielsen's ten heuristics with example. (10)

Q.4 Discuss the importance of human characteristics which should be considered in interface design. (10)

OR

Q.4 Explain various users by considering understanding users, their goals, context of use and environment. (10)

Q.5 List and elaborate about various design thinking techniques. (10)

OR

Q.5 Write scenarios for purchasing an airline tickets. (10)

Q.6 What is prototype? Explain different types of rapid prototyping techniques. (10)

OR

Q.6 Explain various benefits of project prototyping iterations. (10)
