



Term Evaluation (Odd) Semester Examination September 2025

Roll no. 2294 038

Name of the Course: B. Tech.(CSE)

Semester: VIIth

Name of the Paper: Human Computer Interaction

Paper Code: TCS-756

Time: 1.5 hour

Maximum Marks: 50

Note:

- (i) Answer all the questions by choosing any one of the sub-questions
- (ii) Each question carries 10 marks.

Q1. (10 Marks)

a. Compare the characteristics of web user interfaces with traditional desktop graphical user interfaces.

What are the unique challenges and advantages of web UI design? (CO1)

OR

b. Describe the evolution of screen design from early computer systems to modern graphical user interfaces.

How has this evolution influenced user interaction? (CO2)

Q2. (10 Marks)

a. Explain the benefits of a good user interface design for both users and developers. Provide real-world examples to support your explanation. (CO1)

OR

b. Discuss the role of graphical systems in computing. How do these systems facilitate better communication between users and machines? (CO2)

Q3. (10 Marks)

a. Analyze the importance of understanding human motor skills and reaction times in designing interactive systems. How do these factors influence input device selection? (CO3)

OR

b. How does the design process incorporate feedback mechanisms to accommodate human interaction speeds and improve usability? (CO3)

Q4. (10 Marks)

a. What are the consequences of ignoring human characteristics and interaction speeds during the design process? Provide examples of poor design outcomes. (CO1)

OR

b. Explain the design process in human-computer interaction (HCI). Why is it essential to consider human factors during this process? (CO2)



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Q5.

(10 Marks)

a. An enterprise resource planning (ERP) system faces resistance from employees due to complex navigation and slow response times. Explore how the design process can address these human factors to improve acceptance. Outline your redesign approach. (CO3)

OR

b. A startup is developing a new desktop application aimed at non-technical users. They struggle with low user adoption despite the app's advanced features. Analyze how the importance of user interface and good design principles can improve adoption and user satisfaction. What design improvements would you suggest? (CO3)