



Mid Term (Odd) Semester Examination October 2024

Roll no.....

Name of the Course and semester: B.Tech (CSE) VII Sem

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.
- (iii) Please specify COs against each question.

Q1. (10 Marks)

a. What are some of the Interaction Styles in HCI? (CO 3)

OR

b. How does a good UI design influence the **learnability** and **accessibility** of a system? (CO 2)

Q2. (10 Marks)

a. Differentiate between HFE and Multimodel HCI? Also explain the factors to be considered by HCI designers. (CO 1)

OR

b. Explain how **accessibility** principles can be incorporated into user interface design to support users with disabilities. (CO 2)

Q3. (10 Marks)

a. Why human consideration is important in the design of Business Systems? (CO 2)

OR

c. How has the role of screen design evolved with the advent of **touchscreen devices** and **mobile interfaces**? (CO 3)

Q4. (10 Marks)

a. Discuss the **popularity** of web-based applications and how they have influenced traditional desktop GUI designs. (CO 3)

OR

b. How does the concept of **mental models** influence the design of human-computer interfaces? (CO 2)

Q5. (10 Marks)

a. What are the **advantages** of using graphical systems over text-based interfaces? (CO 2)

OR

b. Why is it important to consider **human characteristics** such as perception, memory, and attention when designing computer interfaces? (CO 2)