

END TERM EXAMINATION

EIGHTH SEMESTER [B.TECH] JULY 2023

Paper Code: ETCS-404

Subject: Human Computer Interaction

Time: 3 Hours

Maximum Marks: 75

**Note: Attempt five questions in all including Q.No.1 which is compulsory.
Select one question from each unit.**

- Q1 Attempt **any Five** **[5x5=25]**
- a) What is design paradigm? Explain in details.
 - b) How complexity of interactive system is reduced by interaction and prototyping?
 - c) Explain the concept of cognitive models in human-computer interaction.
 - d) Describe the concept of information search and its importance. How can effective information visualization enhance the search process?
 - e) What is primary goal for creating menu, form fill-in and dialog- box in HCI.
 - f) Define web server and web client.

UNIT-I

- Q2 a) How can the usability of an interactive system be demonstrated or measured? **[7, 5.5]**
- b) Discuss universal design.
- Q3 a) Write a detailed note on user assistance and support. **[6, 6.5]**
- b) Discuss and differentiate between Human & Computer Memory.

UNIT-II

- Q4 Explain the concept of socio organizational issue and stakeholders requirements. Discuss their importance with the help of suitable example? **[12.5]**
- Q5 Explain communication and collaboration models and how they enhance teamwork and project management. Provide examples to illustrate their effectiveness. **[12.5]**

UNIT-III

- Q6 Discuss the different interaction styles in human-computer interaction and explain their characteristics and applications? **[12.5]**
- Q7 Discuss the role of collaboration and social media participation in human-computer interaction. Explain how collaboration tools and social media platforms enhance communication, information sharing, and collective decision-making. **[12.5]**

UNIT-IV

- Q8 a) What is Quality of service. Explain its impact on Human Computer interaction? **[6]**
- b) What is augmented reality. Mention the domain areas where augmented reality is used? **[6.5]**
- Q9 Discuss the impact of multimedia on world wide web. Highlight its significance, challenges and future prospects? **[12.5]**
