

Code: CS8T3A

**IV B.Tech - II Semester – Regular/Supplementary Examinations
May -2022**

**HUMAN COMPUTER INTERACTION
(COMPUTER SCIENCE AND ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11x 2 = 22 M

1.

- a) Define the user interface.
- b) What is web user interface?
- c) Define Sensory storage.
- d) Define visual acuity.
- e) What are the interface design goals of screen design?
- f) Define screen balance.
- g) List any four characteristics for windows.
- h) What is the use of menu bar and status bar?
- i) What are the advantages and disadvantages of animation?
- j) Differentiate Cross-Disciplinary and Cross-Cultural issues with respect to colour.
- k) Define monochromatic screen.

PART – B

Answer any **THREE** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) What are the differences between GUI and web user interface? 8 M
- b) Explain difficulties in designing web interface design? 8 M
3. a) Write important human characteristics that have an influence on design. 6 M
- b) Discuss how a poor screen design can distract the user and what a user expects in good screen design. 10 M
4. a) Describe the role of screen navigation in screen design. Explain. 9 M
- b) List the qualities of screen elements. 7 M
5. Discuss in detail about components and operations of windows. 16 M
6. Write short notes on:
- a) Speech recognition digitization and generation. 8 M
- b) Designing for visually impaired. 8 M