

Code: CS8T3A

**IV B.Tech - II Semester – Regular/Supplementary Examinations
July -2021**

**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 Command Line Interface.
- b) Define Pick-and-Click Interaction.
- c) What is mental model?
- d) What is usability?
- e) List the goals of interface design.
- f) How to minimize vertical scrolling in screen design?
- g) List some characteristics of Icon.
- h) Identify the important difference between tiled window and cascading window.
- i) How the icons influence the usability?
- j) List any four pointing devices with its uses.
- k) Distinguish between keyboard and keypad.

PART – B

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

3 x 16 = 48 M

2. a) List the characteristics of the Graphical User Interface .

10 M

b) Write short notes on the concept of direct manipulation.

6 M

3. a) Discuss the important Human Characteristics in Design in detail.

10 M

b) Outline the methods for gaining an understanding of users.

6 M

4. a) State and explain various qualities which provides visually pleasing composition and give suitable example for each quality.

10 M

b) List the techniques used to achieve three-dimensional appearance include overlapping, drop shadows, highlighting and low lighting, growing and shrinking, and beveled edges.

6 M

5. a) List and explain any eight components of a window. 8 M

b) Discuss windows operations in detail.

8 M

6. a) Explain about the factors considered in choosing colors.

8 M

b) Identify the characteristics and capabilities of touch screen, mouse and keyboard.

8 M