

CBCS SCHEME

18CS734

18CS734



Seventh Semester B.E./B.Tech. Degree Examination, Dec.2025/Jan.2026

User Interface Design

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain the general principles of user interface design (any 8). (08 Marks)
- b. Explain the concept of direct and indirect manipulation for graphical systems. (06 Marks)
- c. Explain the importance and benefits of good user interface design. (06 Marks)

OR

- 2 a. Explain the characteristics of graphical user interface (any 8). (08 Marks)
- b. Discuss the characteristics of intranet and internet and bring out the differences between them. (06 Marks)
- c. Explain the differences between GUI and web page design (any 6). (06 Marks)

Module-2

- 3 a. List and explain the obstacles and pitfalls in the development path of the design process. (08 Marks)
- b. List and explain the five commandments in designing for people. (06 Marks)
- c. Explain the guidelines that must be followed during details interface design that are valuable for users and developers. (06 Marks)

OR

- 4 a. Describe in detail, the important human characteristics in user interface design (any 5). (10 Marks)
- b. Explain the techniques for determining the user requirements using indirect methods. (10 Marks)

Module-3

- 5 a. Explain the various guidelines for formatting menus. (08 Marks)
- b. Describe the functions of menus. (06 Marks)
- c. Explain the web site navigation problems and web site navigation goals. (06 Marks)

OR

- 6 a. Explain the structures of menus in detail. (10 Marks)
- b. List all kinds of graphical menus. Explain any four graphical menus in detail. (10 Marks)

Module-4

- 7 a. List the different characteristics of a window. Explain in detail, any four components of windows. (10 Marks)
- b. Explain the various window presentation styles. (10 Marks)

OR

- 8 a. Explain the characteristics of touch screen and keyboard. (10 Marks)
- b. Explain various types of windows (any five). (10 Marks)

Module-5

- 9 a. Explain radio buttons and list boxes selection controls. (10 Marks)
- b. Explain the different prototypes used in user interface design (any two). (10 Marks)

OR

- 10 a. Explain slider and tree view operable controls. (10 Marks)
- b. Write short notes on the following: (10 Marks)
 - i) Think-Aloud Evaluations
 - ii) Cognitive walk-throughs

CMRIT LIBRARY
RANGALORE - 560 037
