

# CBCS SCHEME

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18CS734

Seventh Semester B.E. Degree Examination, June/July 2024

## 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. Define User Interface Design. Explain the need of user interface design in user's perspective. (08 Marks)
- b. Explain the importance of user interface design. (04 Marks)
- c. Discuss Direct and Indirect manipulation. (08 Marks)

OR

- 2 a. Explain general principles of user interface design. (08 Marks)
- b. Explain the important characteristics of graphical user interface. (08 Marks)
- c. Differentiate between graphical and web user interface. (04 Marks)

### Module-2

- 3 a. Explain 5 commandments in designing for people. (07 Marks)
- b. List and explain the pitfalls in development path of the design process. (07 Marks)
- c. Discuss the necessity of human interaction speed. (06 Marks)

OR

- 4 a. Explain in detail business definition and requirement analysis in user's perspective. (10 Marks)
- b. Explain the importance of obstacles and usability partical objectives. (10 Marks)

### Module-3

- 5 a. Explain in detail functions of menus with example. (10 Marks)
- b. Determine the basic functionalities of navigating menus and graphical menus. (10 Marks)

OR

- 6 a. Explain the structures of menus in detail. (10 Marks)
- b. Discuss Website Navigation in detail. (10 Marks)

### Module-4

- 7 a. Define windows. Explain the important characteristics of windows. (10 Marks)
- b. Discuss windows presentation styles. (10 Marks)

OR

- 8 a. List and explain types of windows. (08 Marks)
- b. Explain window operations in detail. (06 Marks)
- c. Explain the important characteristics of device-based controls. (06 Marks)

### Module-5

- 9 a. Discuss screen based controls. (10 Marks)
- b. Write a note on different prototypes used in user interface design. (10 Marks)

OR

- 10 a. Compare user test and usability test. Explain the process involved in developing and conducting a test. (10 Marks)
- b. Write a short note on the following :
  - i) Radio buttons
  - ii) Check boxes
  - iii) List boxes
  - iv) Drop-down/pop-up list boxes
  - v) Palettes(10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.