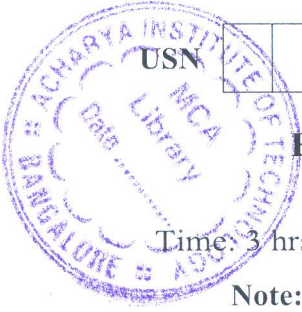


# CBCS SCHEME

17CS832



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## Eighth 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. Discuss the General principle of UID? (10 Marks)  
b. Explain in detail the characteristics of GUI. (10 Marks)

OR

- 2 a. Explain the importance and benefits of good user interface design. (10 Marks)  
b. Differentiate between GUI and Web Interface. (10 Marks)

### Module-2

- 3 a. List and explain the five commandments in designing for people. (10 Marks)  
b. Describe in detail, the important human characteristics in User Interface Design. (10 Marks)

OR

- 4 a. Explain the common usability problem in web-based systems. (10 Marks)  
b. Explain the guidelines for designing conceptual model. (10 Marks)

### Module-3

- 5 a. Illustrate and explain structures of Menu. (10 Marks)  
b. What are the elements of Menu contents? Explain. (10 Marks)

OR

- 6 a. List all kinds of Graphical Menus and explain any one in detail. (10 Marks)  
b. Describe atleast four guidelines to be followed in phrasing of menus during the development of system menus. (10 Marks)

### Module-4

- 7 a. Explain the components of window with an example. (10 Marks)  
b. Briefly explain about the types of windows with example. (10 Marks)

OR

- 8 a. Briefly explain the general guidelines followed in designing of windows operation. (05 Marks)  
b. Explain the characteristics of touch screen. (05 Marks)  
c. Describe the guidelines for selecting the proper device controls. (10 Marks)

### Module-5

- 9 a. Explain Radio Buttons, check boxes and List Boxes Selection controls. (10 Marks)  
b. What are operable controls? Explain usage of buttons along with their advantages and disadvantages. (10 Marks)

OR

- 10 a. Explain the purpose of prototypes. Discuss any two kinds of prototypes with their importance to the system developers. (10 Marks)  
b. Explain Cognitive Walkthroughs Think aloud Evaluation and usability tests conducted in User Interface Design. (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.