

# CBCS SCHEME

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15CS832

## Eighth Semester B.E. Degree Examination, Dec.2023/Jan.2024 Modern Interface Design

Time: 3 hrs.

Max. Marks: 80

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

### Module-1

- 1 a. Define User Interface. Explain the importance and benefits of good User Interface Design. (08 Marks)  
b. Explain the general principles of User Interface Design. (08 Marks)

OR

- 2 a. Explain the concept of direct and indirect manipulation for graphical systems. (08 Marks)  
b. List the differences between GUI and Web page design. (08 Marks)

### Module-2

- 3 a. Explain the five commandments to eliminate the pitfalls in designing the interface. (08 Marks)  
b. Explain in detail, any four important human characteristics in User Interface Design. (08 Marks)

OR

- 4 a. Explain any four Direct and Indirect methods for determining user requirements. (08 Marks)  
b. Explain design standards or style guides. (08 Marks)

### Module-3

- 5 a. Explain and illustrate the various structures of menus. (08 Marks)  
b. List and explain the functions of menus. (08 Marks)

OR

- 6 a. List all kinds of graphical menus and explain any one in detail. (08 Marks)  
b. Explain guidelines to be followed in creating menu titles and phasing the menu. (08 Marks)

### Module-4

- 7 a. List the characteristics of windows. Explain the components of a window. (08 Marks)  
b. Explain tiled and overlapping window presentation styles with illustration. (08 Marks)

OR

- 8 a. Explain the various types of windows with respect to interface design. (08 Marks)  
b. List the characteristics of device-based controls. Explain graphic tablet in detail. (08 Marks)

### Module-5

- 9 a. Define selection control. Briefly explain radio buttons. (08 Marks)  
b. What are operable controls? Explain usage of buttons along with their advantages and disadvantages. (08 Marks)

OR

- 10 a. Discuss any two kinds of prototypes with their importance to the system developers. (08 Marks)  
b. Briefly explain cognitive walk through and usability test. (08 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.