CBCS SCHEME

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21IS733

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.

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.

Module-1

1 a. Define User Interface. Describe a good design benefits. (06 Marks)

b. Discuss the general principles of user interface design. (08 Marks)

c. Write the advantages of graphical system. (06 Marks)

OR

2 a. Compare the characteristics of Graphical user interface versus web user interface. (10 Marks)

b. List and discuss the characteristics of graphical user interface in detail. (10 Marks)

Module-2

3 a. Describe the important of Human Characteristics in user interface design. (10 Marks)

b. Define the term usability. List any 8 usuability problem as defined by model in graphical system. (10 Marks)

OR

4 a. Explain the guidelines for designing the conceptual model. (10 Marks)

b. Explain the techniques for determining the user requirements using direct methods. (10 Marks)

Module-3

5 a. List out the major functions of menus. Explain the structure of menus with illustration. (10 Marks)

b. Explain the guidelines to be followed for formatting the menus. (10 Marks)

OR

6 a. Describe the components of web navigation system with illustration. (10 Marks)

b. Describe the various guidelines to be followed in phrasing during the development of system menus. (10 Marks)

Module-4

7 a. Explain the major components of windows. (10 Marks)

b. Explain the different types of windows with an example. (10 Marks)

OR

8 a. Explain the general guidelines followed in designing of window operations. (10 Marks)

b. Write a short note on :

(i) Track ball

(ii) JoyStick (10 Marks)

Module-5

9 a. What are operable controls? Explain usage of buttons along with their advantages and disadvantages. (10 Marks)

b. Explain Slider and Tree view operable controls with advantage and disadvantage. (10 Marks)

OR

10 a. Write a note on: (i) Radio Button (ii) Palettes. (10 Marks)

b. Explain Cognitive walkthrough, think aloud evaluation and usability tests conducted in the user interface design. (10 Marks)

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