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## Seventh Semester B.E. Degree Examination, June/July 2025

## 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. List and explain the various factors of user interface design that needs to be considered by human computer interaction designers. (12 Marks)
- b. Briefly explain the importance and benefits of good design. (08 Marks)

OR

- 2 a. Explain the advantages and disadvantages of graphical system. (10 Marks)
- b. Explain the characteristics of graphical user interface. (10 Marks)

Module-2

- 3 a. Explain the obstacles and pitfalls in the development path of design. (08 Marks)
- b. Briefly explain the five commandments to eliminate the pitfalls in designing the interface. (06 Marks)
- c. Explain the objective criteria for measuring usability. (06 Marks)

OR

- 4 a. Explain the different types of responses to poor design. (10 Marks)
- b. Explain the requirement analysis techniques in detail. (10 Marks)

Module-3

- 5 a. Explain the Structure of Menus in detail. (10 Marks)
- b. Briefly describe the functions of menus and content of menus. (10 Marks)

OR

- 6 a. Explain the guidelines of formatting menus. (10 Marks)
- b. Explain the components of a web navigation system. (10 Marks)

Module-4

- 7 a. Explain the window characteristics in detail. (10 Marks)
- b. Explain the components of window in detail. (10 Marks)

OR

- 8 a. Explain the management of window. (10 Marks)
- b. Explain the characteristics of device based controls in detail. (10 Marks)

Module-5

- 9 a. What are operable controls? Explain the usage of buttons along with their advantages and disadvantages. (10 Marks)
- b. With an example, explain the following controls :
  - (i) Radio buttons
  - (ii) Check boxes
  - (iii) Paletts
  - (iv) List boxes

(10 Marks)

OR

- 10 a. Explain the Cognitive Walk through test in detail. (12 Marks)
- b. Briefly describe the think Aloud Evaluation system. (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.