

CBCS SCHEME



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.