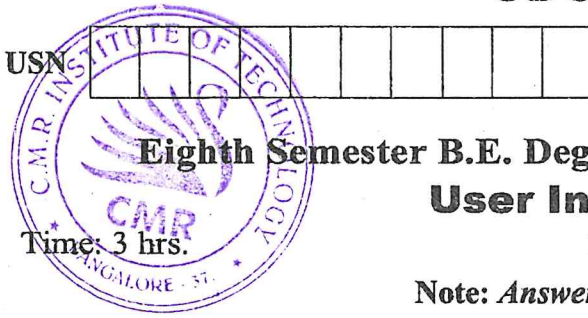


# CBCS SCHEME



17CS832

## Eighth Semester B.E. Degree Examination, July/August 2021 User Interface Design

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

- 1 a. Define User Interface Design. Explain the importance and benefits of a good design. (08 Marks)  
b. Discuss Direct and Indirect Manipulation. (06 Marks)  
c. List the advantages and disadvantages of graphical system. (06 Marks)
- 2 a. Explain the general principles of user interface design. (08 Marks)  
b. Explain the characteristics of graphical user interface. (06 Marks)  
c. Differentiate the characteristics of intranet and internet. (06 Marks)
- 3 a. Write a note on guidelines that must be followed during Interface design that are valuable for user. (08 Marks)  
b. Explain the five commandments in designing for people. (06 Marks)  
c. Write short notes on Human Interaction speed. (06 Marks)
- 4 a. Discuss with suitable examples the human characteristics on design. (10 Marks)  
b. Discuss the models for determining basic business function. (10 Marks)
- 5 a. Explain the structures of Menus in detail. (10 Marks)  
b. Discuss Website Navigation in detail. (10 Marks)
- 6 a. Explain functions of menus. (08 Marks)  
b. Explain any four graphical menus in detail. (06 Marks)  
c. Write notes on:  
(i) Formatting of menus (ii) Phrasing the menus. (06 Marks)
- 7 a. Discuss windows presentation styles. (10 Marks)  
b. List the components of windows and explain its importance. (10 Marks)
- 8 a. Write the characteristics of Touch screen and keyboard. (08 Marks)  
b. Discuss the process to select proper interaction devices. (06 Marks)  
c. Compare different GUI controls. (06 Marks)
- 9 a. Write notes on different prototypes used in User Interface Design. (08 Marks)  
b. Discuss presentation controls in detail. (06 Marks)  
c. Write notes on:  
(i) Think –Aloud Evaluation. (06 Marks)  
(ii) Cognitive Walk – Throughs. (06 Marks)
- 10 a. What is the need of usability test? Explain the process involved in developing and conducting a test. (10 Marks)  
b. Write notes on:  
(i) Slider (ii) Tree-view (iii) Tabs (iv) Scroll bars. (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.