

# CBCS SCHEME

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15CS832

**Eighth Semester B.E. Degree Examination, July/August 2021**

## Modern Interface Design

Time: 3 hrs.

Max. Marks: 80

*Note: Answer any FIVE full questions.*

- 1 a. Discuss any four general principles of UID. (08 Marks)  
b. Write any four differences between GUI and Web Page Design. (08 Marks)
- 2 a. List and explain the characteristics of GUI. (09 Marks)  
b. Explain any four advantages and disadvantages of graphical systems. (07 Marks)
- 3 a. Explain five commandments that are considered for designing for the people. (08 Marks)  
b. According to Theo Mandel, which are the most common usability problems? List them. Explain any three. (08 Marks)
- 4 a. Explain the techniques for determining the user requirements using indirect method. (08 Marks)  
b. What are the guidelines to be followed during detailed interface design that are valuable to the users and developer? Explain. (08 Marks)
- 5 a. Explain the functions of menus. (06 Marks)  
b. Explain briefly any two kinds of graphical menus with neat diagrams. (10 Marks)
- 6 a. Describe the components of a web navigation system with illustration. (08 Marks)  
b. What are the elements of menu content? Explain. (08 Marks)
- 7 a. Explain any two window management schemes. (08 Marks)  
b. Explain how windows are useful. (08 Marks)
- 8 a. Write the advantages and disadvantages of Franus in web systems. (08 Marks)  
b. Write a note on: (i) Touch screen (ii) Trackball (08 Marks)
- 9 a. Explain the following controls with an example for each:  
(i) Check Boxes  
(ii) Spin Boxes  
(iii) Scroll Bars  
(iv) Balloon tips (08 Marks)  
b. What are operable controls? Explain the purpose, advantages, disadvantages and usage of text boxes. (08 Marks)
- 10 a. Explain cognitive walkthroughs, think aloud evaluation tests conducted in UID. (08 Marks)  
b. Explain any two types of testing prototypes. (08 Marks)

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