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15CS832

# Eighth Semester B.E. Degree Examination, November 2020
## Modern Interface Design

Time: 3 hrs.
Max. Marks: 80

*Note: Answer any FIVE full questions irrespective of modules.*

### Module-1

1   a. Define User Interface. Explain the important benefits of a good design. (08 Marks)
    b. Explain the concept of Direct and In-direct manipulation. (08 Marks)

2   a. Compare the characteristics of GUI versus Web design. (08 Marks)
    b. Briefly explain the general principles of User – Interface design. (08 Marks)

### Module-2

3   a. Briefly explain the five commandments to eliminate the pitfalls in designing the interface. (08 Marks)
    b. Explain the objective criteria for measuring usability. (08 Marks)

4   a. Explain briefly about human interaction speeds. (08 Marks)
    b. Explain the guidelines for designing conceptual models. (08 Marks)

### Module-3

5   a. Explain in brief the structure of Menus. (08 Marks)
    b. List and explain the content of Menus. (08 Marks)

6   a. What are the advantages and dis-advantages of Menu bars? (08 Marks)
    b. Write a note on Pop – Up Menus. (08 Marks)

### Module-4

7   a. Briefly explain the components of a window. (08 Marks)
    b. Explain Multiple – Documents Interface scheme for Window Management. (08 Marks)

8   a. Bring out the advantages and disadvantages of Frames in Web Systems. (08 Marks)
    b. Write a note on the following :
       i) Trackball       ii) Joystick. (08 Marks)

### Module-5

9   a. Explain the following text controls :
       i) Text – boxes       ii) Captions. (08 Marks)
    b. Define Selection Control. Briefly explain about Radio Buttons. (08 Marks)

10  a. List and explain any 3 presentations controls. (08 Marks)
    b. Briefly explain the different kinds of tests. (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.