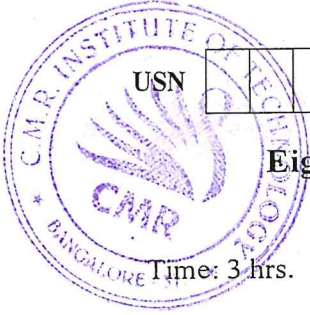


CBCS SCHEME



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15CS832

Eighth Semester B.E. Degree Examination, Aug./Sept.2020 Modern Interface Design

Time: 3 hrs.

Max. Marks: 80

- Note: i) For Regular Students: Answer any FIVE full questions irrespective of modules.
ii) For Arrear Students : Answer any FIVE full questions, choosing ONE full question from each module.*

Module-1

- 1 a. Define HCI. Explain in detail, the importance of good design. (08 Marks)
b. Explain the various characteristics of Direct Manipulation. (08 Marks)
- 2 a. Define Interaction Style. Explain various types of interaction styles in graphical systems. (08 Marks)
b. Explain the design goals in creating User Interface Design. (08 Marks)

Module-2

- 3 a. How obstacles and Pitfalls can be eliminated in User Interface Design Process? (08 Marks)
b. Define Usability. Explain five Quality Components and dimensions of Usability. (08 Marks)
- 4 a. Explain Direct and Indirect Methods in Information Collection. (08 Marks)
b. List the Interface Design Goals. Explain in detail, functions of Menus. (08 Marks)

Module-3

- 5 a. List the characteristics of windows. Explain in detail, components of windows. (08 Marks)
b. Explain various Window Management Schemes. (08 Marks)
- 6 a. Explain the characteristics of Device Based Controls. (08 Marks)
b. Compare the various GUI Controls. (08 Marks)

Module-4

- 7 a. Explain the importance of Combining Multimedia. (08 Marks)
b. List the characteristics of Icons. Explain types of disabilities. (08 Marks)
- 8 a. Explain the four factors that contribute to bad design. (08 Marks)
b. Explain in detail, providing proper feedback to the user. (08 Marks)

Module-5

- 9 a. Explain the purpose and importance of usability testing. (08 Marks)
b. Explain the various common visualization techniques. (08 Marks)
- 10 a. Explain the various software testing tools. (08 Marks)
b. Explain the organizational guidelines in detail. (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.

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