CBCS SCHEME

USN | | | | | | | | | |

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.

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.

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)**

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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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