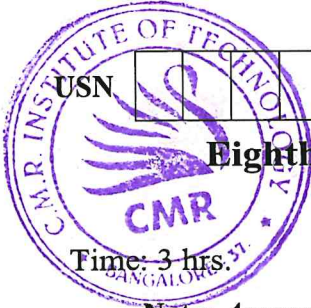


CBCS SCHEME

15CS832



Eighth Semester B.E. Degree Examination, Jan./Feb. 2021

User Interface Design

Max. Marks: 80

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Compare any eight characteristics of Graphical and Web User interfaces. (08 Marks)
- b. Discuss any eight disadvantages of Graphical systems. (08 Marks)

OR

- 2 a. Discuss any eight design goals in creating a User interface. (08 Marks)
- b. Discuss the characteristics of Direct and Indirect manipulation in Graphical systems. (08 Marks)

Module-2

- 3 a. Discuss ten most common usability problems in Graphical systems. (08 Marks)
- b. Discuss any eight recommended direct methods for getting inputs from User. (08 Marks)

OR

- 4 a. Discuss any eight important Human characteristics in design. (08 Marks)
- b. Discuss any eight guidelines for Designing Conceptual Models. (08 Marks)

Module-3

- 5 a. Describe any five guidelines for formatting menus. (08 Marks)
- b. Discuss the following with respect to Graphical Menu : (08 Marks)
 - i) Menu Bar
 - ii) Pull – Down Menu.

OR

- 6 a. Describe the common structures of menus. (08 Marks)
- b. Discuss the following : i) Functions of Menus ii) Content of Menus. (08 Marks)

Module-4

- 7 a. Discuss the different ways in which windows are useful. (08 Marks)
- b. Describe briefly the following device – based controls with respect to Description, Advantage and Disadvantage. i) Graphic Tablet ii) Light Pen. (08 Marks)

OR

- 8 a. Describe any two window management schemes in detail with respect to description , purpose usage , advantage and disadvantage. (08 Marks)
- b. Discuss the advantages and disadvantages of two basic window presentation styles. (08 Marks)

Module-5

- 9 a. What do you mean by Operable Controls? Describe Buttons with respect to description , purpose , advantages and disadvantages , purpose usage. (08 Marks)
- b. Describe following presentation controls : i) Group Boxes ii) Tooltips. (08 Marks)

OR

- 10 a. Discuss Heuristic evaluation and its Evaluation process. (08 Marks)
- b. Describe the following prototypes : (08 Marks)
 - i) Hand sketches and Scenarios
 - ii) Interactive Paper prototypes.

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.