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Eighth Semester B.E. Degree Examination, July/August 2022 User Interface Design

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. Define User Interface Design. Explain the importance of Good User Interface Design. (05 Marks)
- b. Write any five differences between GUI and Webpage Design. (05 Marks)
- c. Discuss the general principles of User Interface Design (any 10). (10 Marks)

OR

- 2 a. Explain the benefits of Good User Interface Design. (05 Marks)
- b. Explain the advantages and disadvantages of using Graphical User Interface. (05 Marks)
- c. List and explain the characteristics of Graphical User Interface. (10 Marks)

Module-2

- 3 a. Explain the common pitfalls and the fire commandments in the development path of User Interface. (05 Marks)
- b. Describe in detail, the important human characteristics in User Interface Design. (10 Marks)
- c. Explain the process of determining basic Business functions in UID. (05 Marks)

OR

- 4 a. Explain the common usability problems in designing the Graphical User Interface. (05 Marks)
- b. Explain the important user considerations in designing the User Interface. (05 Marks)
- c. Explain few significant direct and indirect techniques in determining Business requirements. (10 Marks)

Module-3

- 5 a. Explain the structure of Menus with illustrations. (05 Marks)
- b. List the guidelines forming the Menus. (05 Marks)
- c. List all graphical Menus and explain any two in detail with their advantages and disadvantages. (10 Marks)

OR

- 6 a. Describe the functions of Menus. (05 Marks)
- b. Explain the Navigational guidelines of a Well – designed Website. (05 Marks)
- c. Describe in detail the Phrasing of Menus. (10 Marks)

Module-4

- 7 a. Explain the different components of a window, with an example. (05 Marks)
- b. Briefly discuss the general guidelines followed in designing of Window Operations. (05 Marks)
- c. Explain the following types of secondary windows with Illustrations : (10 Marks)
 - i) Dialog boxes
 - ii) Property sheets
 - iii) Message boxes
 - iv) Palette windows
 - v) Pop – up windows.

OR

- 8 a. Explain the two basic presentation styles of a window with their advantages and disadvantages. (05 Marks)
- b. What are the different Window Management Schemes? Discuss any two of them. (10 Marks)
- c. Describe the guidelines for selecting the proper device – based control. (05 Marks)

Module-5

- 9 a. Explain atleast 5 guidelines followed in creating command buttons. (10 Marks)
- b. Explain the common presentation controls used in designing screen based controls. (05 Marks)
- c. Write a note on Think – aloud evaluations and Cognitive walkthrough in Windows Testing. (05 Marks)

OR

- 10 a. Explain the guidelines used for creating the Radio buttons and check boxes selection control. (10 Marks)
- b. Discuss about any two kinds of prototypes used in windows testing with their importance to system developers. (10 Marks)

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