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17CS832

Eighth Semester B.E. Degree Examination, June/July 2023
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. Explain in detail, the characteristics of Graphical User Interface. **(10 Marks)**

   b. Illustrate the advantages and disadvantages of graphical systems. **(10 Marks)**

OR

2 a. Generalize the importance and benefits of good user interface design. **(10 Marks)**

   b. Compare and contrast the features of GUI and webpage design. **(10 Marks)**

Module-2

3 a. Discuss about the factors to be considered which causes time wasting and irritating of people in achieving usability of web pages. **(10 Marks)**

   b. Define conceptual models. Describe Guidelines for designing conceptual models. **(10 Marks)**

OR

4 a. Identify and explain the psychological and physical responses to poor design user interfaces. **(10 Marks)**

   b. Humans are the complex organisms with variety of attributes that have an important influence on interface and screen design. Justify and explain. **(10 Marks)**

Module-3

5 a. Describe the components of web navigation with illustration. **(10 Marks)**

   b. What are the advantages and disadvantages of menu bars? **(10 Marks)**

OR

6 a. List all kinds of graphical menu and explain any two in detail. **(10 Marks)**

   b. Illustrate at least four guide lines to be followed in phrasing of menus. **(10 Marks)**

Module-4

7 a. List and explain the components of window with example. **(10 Marks)**

   b. Explain characteristics of touch screen trackball and Graphic Tablet. **(10 Marks)**

OR

8 a. Describe overlapping windows and Tiled windows presentation styles with examples. **(10 Marks)**

   b. Illustrate the importance of following schemes for window management.
   i) Multiple – document interface ii) Work books **(10 Marks)**

Module-5

9 a. Explain the purpose of prototypes. Interpret the importance of any two kinds of prototypes to system developers. **(10 Marks)**

   b. Describe the text Entry/Read only controls with their advantages and disadvantages. **(10 Marks)**

OR

10 a. Interpret the importance role of following kinds of tests conducted in use interface design :
   i) Usability test ii) Cognitive Walk-Throughs. **(10 Marks)**

   b. Write a note on following : i) Group boxes ii) Scrolling Tickets. **(10 Marks)**

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