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21IS733

Seventh Semester B.E./B.Tech. Degree Examination, June/July 2025
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.   Explain in detail the characteristics of graphical user interface.   **(10 Marks)**

   b.   Explain in detail principles of user interface design.   **(10 Marks)**

OR

2   a.   Explain the concept of direct and indirect manipulation of graphical system.   **(10 Marks)**

   b.   Explain the advantages and disadvantages of graphical system.   **(10 Marks)**

Module-2

3   a.   How can the five commandments of design be effectively applied to avoid common pitfalls in the design process?   **(10 Marks)**

   b.   Explain the 10 common usability problems in graphical system.   **(10 Marks)**

OR

4   a.   Explain the importance of human characteristics of UI Design with suitable example.   **(10 Marks)**

   b.   How can the direct and indirect methods be applied to effectively determine business requirements?   **(10 Marks)**

Module-3

5   a.   Explain the structure of menu's with example.   **(10 Marks)**

   b.   Illustrate the components of a web navigation system.   **(10 Marks)**

OR

6   a.   Explain in detail pop-up menu with their advantages and disadvantages.   **(10 Marks)**

   b.   Explain the guidelines to be followed for formatting the menus.   **(10 Marks)**

Module-4

7   a.   Explain Tiled and overlapping windows with their advantages and disadvantages.   **(10 Marks)**

   b.   Explain in detail about Window's management.   **(10 Marks)**

OR

8 a. Illustrate with advantages and disadvantages of (i) Track ball (ii) Graphic tablet. **(10 Marks)**

   b. Explain in detail the various window operations. **(10 Marks)**

Module-5

9 a. List common presentation control and explain any four of them. **(10 Marks)**

   b. Explain briefly the following selection control:
      (i) Radio buttons
      (ii) Checkboxes **(10 Marks)**

OR

10 a. Explain the following with respect to kinds of tests:
       (i) Think-Aloud Evaluation
       (ii) Usability Test **(10 Marks)**

    b. What are operable controls? Explain usage of buttons along with their advantages and disadvantages. **(10 Marks)**

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