



Sub: User Interface Design
Year/Semester/Section: IV/VII/'A'&'B'

Sub Code: 18CS734
Academic Year: 2021-2022

Staff In charge: Mr. Ugrananda Channabasawa/Mrs. Shalini K V

IA1 QUESTION BANK

1. Define User Interface Design. Explain the importance of good design/ Explain the important benefits of a good design.
2. Explain the concept of Direct and Indirect manipulation.
3. Compare the characteristics of GUI versus Web design/ List and explain the characteristics of GUI/ List and explain the characteristics of web design.
4. Explain Printed Pages versus Web Pages.
5. Explain the advantages and disadvantages of graphical system.
6. Discuss the principles of user interface design process.
7. Explain the five commandments to eliminate the pitfalls in designing the interface.
8. Explain the common usability problem in web-based system/Explain the objective criteria for measuring usability.
9. Explain techniques for determining user requirements using direct method.
10. Explain briefly about human interaction speeds.
11. Explain in detail the important human characteristics in user interface design
12. Explain the techniques for determining the user requirements using indirect method.
13. Explain the Obstacles and Pitfalls in the Development Path



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IA2 QUESTION BANK

Module 2

1. Explain in detail any five important human characteristics in user interface design/"Human are complex organisms with a variety of attributes that have an important influence on interface and screen design ". Justify and explain.
2. Briefly explain the psychological and physical responses to poor design and interface.
3. What factors make people difficult to use the computer?
4. Explain the guidelines for designing the conceptual model.
5. Write a note on guidelines that must be followed during detailed interface design that are valuable to user and developers.
6. Write a note on (a) Document design (b) System training (c) Documentation needs.
7. Explain visually pleasing composition.

Module 3

1. Explain the guidelines for formatting menus.
2. Explain the functions of menu bar
3. Explain and illustrate structure of menus.
4. What are the elements of menu contents? Explain.
5. What are the advantages and disadvantages of menu bar.
6. Write a note on pop up menu.
7. Describe the guidelines to be followed in phrasing of menus during the development of menus.
8. List all kinds of graphical menus and explain any 3 in detail.
9. List and explain navigational goals of a well-defined navigational system.
10. Describe hierarchical menus and connected menus.
11. Write the advantages and disadvantages of menu system with
 - (a) Greater depth and less breadth.
 - (b) Greater breadth and less depth.



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IA3 QUESTION BANK

Module 4

1. Explain Characteristics of Window
2. Explain different Components of a Window
3. Explain Window Presentation Styles
4. Explain Types of Windows
5. Explain Single-Document Interface
6. Explain Multiple-Document Interface
7. Explain Workbooks and Projects in Window Management
8. Explain Window Organization
9. Explain any five Window Operations
10. Explain the characteristics and capabilities of following device-based controls
 - a) Trackball
 - b) Joystick
 - c) Graphic tablet
 - d) Touch screen
 - e) Mouse

Module 5

1. Explain usage of Command buttons and Toolbar buttons
2. Write short notes on Toolbars.
3. Explain Single-Line and Multiple-Line Text Boxes
4. Explain any five Selection Controls
5. Explain Radio Buttons and Check Boxes in selection control
6. Explain Static Text Field Guidelines
7. Explain Column Headings in presentation controls.
8. Explain The Importance of Usability Testing