



KINGS



COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY
QUESTION BANK

Subject Code : CS1015

Subject Name : User Interface Design

Year / Sem : IV / VII

UNIT -I

PART-A (2-MARKS)

- 1) Define User Interface? What are the two components in User Interface?
- 2) What is meant by GUI?
- 3) Define Pick and Click Interaction?
- 4) What is an object? Explain its types?
- 5) Define Property Attribute Specification? Explain its Sequence?
- 6) Define Concurrent performance of function?
- 7) What is User Assistance in Web Interface Design?
- 8) Write a note on consistency?
- 9) Explain the Types of Compatibility?
- 10) What is meant by Transparency?
- 11) Explain five ways to provide Simplicity?

PART -B (16 MARKS)

- 1) Explain briefly about the Characteristics of GUI?
- 2) Mention the Advantages and Disadvantages of GUI in detail?
- 3) Write a detail note on Characteristics of Web User Interface?
- 4) Explain the general principles of User Interface Design?
- 5) Explain the characteristics of intranet and internet? Mention its difference?
- 6) Explain in detail about web navigation?

UNIT-II

PART-A (2-MARKS)

- 1) What is meant by Visual Acuity?
- 2) What is meant by Short Term and Long Term Memory?
- 3) Explain direct method in requirement analysis?
- 4) Explain indirect method in requirement analysis?
- 5) Write a note on Grouping?
- 6) What are the perceptual principles used to create functional grouping?
- 7) Write a note on Scrolling and paging?
- 8) What is meant by Completion aid?
- 9) What is known as Tabbing?
- 10) What is meant by Auto Skipping?
- 11) What is meant by Verbal linkage and Spatial Linkage?
- 12) What are the advantages and disadvantages of Cascading Menu?
- 13) Write a note on keyboard accelerator?
- 14) What is meant by Toggled Menu items? What are the advantages and Disadvantages?
- 15) Write a note on Ordering?
- 16) What is known as Line Separators?
- 17) What are the types of intent indicators?
- 18) Write a note on Keyboard Accelerators?
- 19) What are the advantages and disadvantages of Pull-down Menu?
- 20) What are the advantages and disadvantages of Cascading Menu?

Part -B (16 MARKS)

- 1) Explain the importance of human consideration in UI design with suitable example?
- 2) What is requirement analysis? What are the methods involved in it? What is the impact of it on UI design?
- 3) (a) Explain the Structure of Menus? (8)
(b) Explain the Menu can be phrased? (8)
- 4) (a) Explain the functions of Menus? (8)
(b) Explain briefly about Formatting of Menus? (8)

- 5) What is Statistical Graphics? Explain the Components of a Statistical Graphics?
- 6) Explain the types of Statistical Graphics?
- 7) Discuss briefly about Navigating Menus?
- 8) Explain the Kinds of Graphical Menu?

UNIT -III

PART-A (2-MARKS)

- 1) What is known as Split box?
- 2) Write a note on Size Grip?
- 3) What is known as Cascading Window?
- 4) What is known as Unfolding Window?
- 5) What is the use of Palette Window?
- 6) What are the advantages and disadvantages of Single Document interface?
- 7) What are the advantages and disadvantages of Multiple Document interface?
- 8) What is meant by Projects?
- 9) How window is organized?
- 10) What is a frame? Mention its advantages and disadvantages?
- 11) What are the characteristics of device based Controls?
- 12) What is meant by Graphic Tablet?
- 13) Write a note on mouse usage guidelines?
- 14) Write a note on Keyboard Guidelines?
- 15) What are the advantages & disadvantages of Command Button?
- 16) Explain three styles of button?
- 17) Explain the purpose of Single Selection list box?
- 18) What is a slider? Mention its advantages?
- 19) What is known as Balloon Tips?
- 20) What is meant by Sample box?
- 21) Write a note on Scrolling Tickers?

PART-B(16 MARKS)

- 1) Explain how windows are useful? Explain its Components
- 2) a) Explain briefly about the presentation styles of window? (8)
b) Explain about window management? (8)
- 3) Discuss briefly about the types of windows?
- 4) Write a note on Organizing Window Functions?
- 5) a) Explain the types of Device Based Controls? (8)
b) Explain the guidelines for selecting the proper device-based controls? (8)
- 6) Explain the types of Operable Controls?
- 7) Explain the types of Presentation Controls?
- 8) Explain types of Controls other than Operable Controls?
- 9) Explain guidelines for selecting the proper CONTROLS?

UNIT-IV

Part-A (2-MARKS)

- 1) What is a message? What are the types of Message?
- 2) Write a note on Message box controls?
- 3) What is meant by instructional message?
- 4) What is meant by response time?
- 5) What is known as earcons?
- 6) Explain the purpose of hints?
- 7) What is known as Accessibility?
- 8) What is known as Cognitive Disabilities?
- 9) What is known as icons?
- 10) What is known as Dithering?
- 11) What is known as protanopia, deuteranopia and tritanopia?

PART -B (16 MARKS)

- 1) Write a note on Writing Message Box Text?
- 2) What is Text? Write a note on presenting text and writing text?
- 3) Discuss briefly about text on web pages?
- 4) Write a note on providing the proper feedback?

- 5) Write a note on Guidance and Assistance?
- 6) Explain the types of Disabilities?
- 7) Explain Kinds of Icons, Characteristics of icons and Choosing Icons?
- 8) Write a note on Organizing Guidelines?
- 9) Discuss briefly about windows Guidelines and Web page Guidelines.

UNIT-V

PART-A (2-MARKS)

- 1) What is the purpose of Usability test?
- 2) What are the importances of usability test?
- 3) What is meant by prototypes?
- 4) What are the advantages and disadvantages of hand sketches?
- 5) Write a note sketch creation process?
- 6) What is meant by heuristic evaluation process?
- 7) What is known as Think-Aloud Evaluations?
- 8) What are the advantages and disadvantages of cognitive walkthroughs?
- 9) Write a note on Focus Group?
- 10) Write a note on Hypermedia?

PART -B (16 MARKS)

- 1) Write a note on Scope of Testing?
- 2) Write a note on information Search?
- 3) Explain the different kinds of test in detail?
- 4) What are the steps for developing and conducting test?
- 5) Explain WWW with example?
- 6) Discuss Briefly about Software tools.