

Keyboards:

1. Common Input Device: Keyboards are widely used for entering text and commands into computers.
2. Textual Data Entry: Their primary function is to input textual data and execute commands.
3. Standardized Layout – QWERTY: Most keyboards follow the QWERTY layout, named after the first six letters on the top row. This layout is a historical artifact from typewriters.
4. Fixed Layout, Variable Non-Alphanumeric Keys: While letters and digits have a fixed layout, non-alphanumeric keys can vary.
5. QWERTY's Historical Origin: QWERTY's design dates back to mechanical typewriters. Despite not being optimal for typing, it persists due to historical continuity.
6. Dominance Despite Technological Freedom: Even with electric typewriters and computer keyboards not bound by mechanical constraints, QWERTY remains the dominant layout.
7. Economic Considerations: The existing investment in QWERTY keyboards makes a transition costly, requiring either replacement or a phased-out approach.

Function Keys:

1. Programmable Keys: Function keys on keyboards can be programmed to trigger specific actions within an operating system.
2. Top Row, F1 to F12: Located at the top of the keyboard, numbered F1 to F12, often referred to as F keys or FN keys.
3. Useful Shortcuts: Provide handy shortcuts for common computer functions, enhancing

everyday computing tasks.

4. Combo with CTRL, ALT, SHIFT: Frequently combined with other keys like CTRL, ALT, and SHIFT to perform various actions.
5. Common Windows Function Key Uses:
 - F1: Display help screen.
 - F2: Rename highlighted file or folder.
 - F3: Open the search tool.
 - Alt+F4: Close the current window.
 - F5: Refresh window or webpage contents.
 - F8: Boot Windows into safe mode by holding F8 during startup.

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2. Describe the importance of good design.
3. What are the benefits of good design ?
4. Write a short note on history of screen design.
5. What do you mean by graphical user interface ?
6. What is popularity of graphics ?
7. Describe the concept of direct manipulation
8. What is graphical system ? Write down its advantages and disadvantages.
9. Describe the characteristics of graphical system.
10. Describe the characteristics of intranet versus the internet.
11. What are the usability problems in graphical system ?
12. Explain web user interface.
13. Discuss the popularity of web interface.

14. What are the characteristics of web user interface ?
15. Describe the principles of user interface.
16. Describe the principles established the foundation for graphical interfaces.
17. Describe the design goals in creating user interface.
18. Why web user interface design difficult ?
19. Explain the five commandments for designing user interface
20. Discuss human computer interaction.
21. How a person interact with computer.
22. What are the factors that make system difficult to use ?
23. What are the psychological responses to poor design ?
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25. Explain the important human characteristics.
26. Describe the following term with respect to human characteristics in design :
27. Describe human consideration in design.
28. What are the characteristics of mandatory use in user's task for design ?
29. Give the characteristics of discretionary user
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39. Describe the goals in screen design.

40. What is meant by screen and define its purpose.
41. How we can organize screen elements clearly and meaningfully ?
42. Describe ordering of screen data and content.
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44. What do you understand by visually pleasing composition ?
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46. How to group screen elements using border ?
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51. Discuss the techniques to provide emphasis.
52. How to convey depth of levels or a three-dimensional appearance ?
53. How information is presented simply and meaningfully ?
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55. Discuss about information entry and modification screens.
56. What are the types of statistical graphics ?
57. Discuss intranet and extranet design guidelines.
58. Write short note on statistical graphics
59. Explain the components of statistical graphics.
60. Discuss technical consideration in interface design for : i. Graphical system ii. Web system iii. Other web consideration
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87. What are the uses of color ?
88. What are the problems related to color ?
89. How to choose color ?
90. What is software tool ? What are the commonly usedtools in human computer
interface ?

Describe keyboard and function keys.

91. Explain specification method.
92. Describe interface building tools in detail.
93. What are the features of interface building tools ?
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95. Describe pointing devices and types of interaction tasks useful for pointing devices.
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100. What are the characteristics of video display devices ?
101. Write a short note on drivers.