Guidelines for selecting the proper device-based control :

1. Task Characteristics:

- Structured Arrays: Use keyboards (cursor control keys) for moving through structured arrays with a few discrete objects quickly.
- Graphical and Drawing Tasks: For tasks like pointing, selecting, drawing, dragging, or tracking, use alternative pointing devices such as a mouse, joystick, trackball, or graphic tablet.

2. User Characteristics and Preferences:

- Touch Typists: Provide keyboards for users who are comfortable with touch typing.
- User Comfort: While user preferences don’t always match performance, it’s crucial that users are comfortable with the selected device.

3. Environmental Characteristics:

- Fit in Work Environment: Ensure the device fits easily into the work environment.
- Desk Space: Check if there is enough desk space for the device, especially if it’s necessary.

4. Hardware Characteristics:

- Device Quality: Ensure the device is of good quality, allowing for easy performance of all necessary tasks.
- Movement Capabilities: Consider the variability in movement capabilities, for example, in joysticks.

Discuss the guidelines for selecting proper device-based controls.

Related posts:

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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 ?
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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 ?
24. What are the physical reactions to poor design ?

25. Explain the important human characteristics.
26. Describe the following term with respect to humancharacteristics 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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37. Determine the basic business functions.
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39. Describe the goals in screen design.
40. What is meant by screen and define it purpose.
41. How we can organize screen elements clearly and meaningfully ?
42. Describe ordering of screen data and content.
43. What do you mean screen navigation and flow ?
44. What do you understand by visually pleasing composition ?
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46. How to group screen elements using border ?
47. Discuss amount of information.
48. Discuss the following :
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50. Discuss about the term ‘Distinctiveness’.

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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62. What are the components of window ?
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73. What are selection controls ?
74. Describe the various operable controls.
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79. Discuss message box controls.
80. Discuss instructional message in detail.
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83. Describe icon animation and audition.
84. Describe multimedia in detail.
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86. What are the uses of color ?
87. What are the problems related to color ?
88. How to choose color ?
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92. What are the features of interface building tools ?
93. Explain interaction devices.
94. Describe keyboard and function keys.
95. Describe pointing devices and types of interaction tasks useful for pointing devices.
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97. Explain speech recognitions.
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100. What are the characteristics of video display devices ?
101. Write a short note on drivers.