What do you mean by user interface ? Define user interface design. Why user interface is important ?

User Interface (UI):

- UI is how people interact with computers or software.
- It’s everything you see, hear, touch, or use to communicate with a computer.

User Interface Design:

- UI design is part of a field called human-computer interaction.
- It’s about planning and creating interfaces that make using computers or software effective and satisfying.

Components of UI:

1. Input: How you tell the computer what you want (keyboard, mouse, etc.).
2. Output: How the computer shows you the results (screen, sound, etc.).

Why UI is Important:

- Good UI design combines input and output in a way that meets users’ needs effectively.
- It’s essential because it makes it easy for people to understand and use information about products or services.

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20. How a person interact with computer.
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22. What are the psychological responses to poor design ?
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24. Explain the important human characteristics.
25. Describe the following term with respect to humancharacteristics in design :
26. Describe human consideration in design.
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28. Give the characteristics of discretionary user
29. Explain human interaction speed.
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38. Describe the goals in screen design.
39. What is meant by screen and define it purpose.
40. How we can organize screen elements clearly and meaningfully ?
41. Describe ordering of screen data and content.
42. What do you mean screen navigation and flow ?
43. What do you understand by visually pleasing composition ?
44. Discuss the perceptual principles that can be used toaid screen functional groupings.
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46. Discuss amount of information.
47. Discuss the following :
48. How to minimize the problems in scrolling ?
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50. Discuss the techniques to provide emphasis.
51. How to convey depth of levels or a three-dimensional appearance ?
52. How information is presented simply and meaningfully ?
53. Discuss about typography.
54. Discuss about information entry and modification screens.
55. What are the types of statistical graphics ?
56. Discuss intranet and extranet design guidelines.

57. Write short note on statistical graphics
58. Explain the components of statistical graphics.
59. Discuss technical consideration in interface design for : i. Graphical system ii. Web system iii. Other web consideration
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61. What are the components of window ?
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78. What are the message box guidelines recommended by Microsoft ?
79. Discuss message box controls.
80. Discuss instructional message in detail.
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85. What is color ?
86. What are the uses of color ?
87. What are the problems related to color ?
88. How to choose color ?
89. What is software tool ? What are the commonly usedtools in human computer interface ?
90. Explain specification method.
91. Describe interface building tools in detail.
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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