Explain different window management schemes.

1. Single-document interface:
    - Description: It uses a single main window for one primary task or document.
    - Example: Like having a single window for writing a document or viewing a folder.
    - Use case: Suitable when you mainly focus on one thing at a time.
2. Multiple-document interface (MDI):
    - Description: It allows you to work with multiple documents or views at the same time.
    - Example: Imagine having several documents open in one application, like multiple tabs in a web browser.
    - Use case: Useful when you need to compare or work on different things simultaneously.
3. Workbooks:
    - Description: Organizes views like pages in a book, where each section is a tab within the main window.
    - Example: Think of it like flipping through pages in a notebook, with each page representing different information.
    - Use case: Helpful when you want to navigate between different sections of information easily.
4. Projects:
    - Description: Similar to MDI but without visually containing child windows; instead, it uses icons representing objects.
    - Example: Having a project window with icons, and clicking on an icon opens a separate window for that object.
    - Use case: Useful when you want to keep different tasks or projects organized separately.

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1. What do you mean by user interface ? Define user interface design. Why user interface is important ?
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 ?
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
30. Explain human interaction speed.
31. What are the methods for gaining an understanding ofusers ?
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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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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 ?
54. Discuss about typography.
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 ?
63. Describe the window presentation style.
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74. Describe the various operable controls.
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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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82. Explain design process for icons.
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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 ?
89. What is software tool ? What are the commonly usedtools in human computer interface ?
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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.
96. What are the types of pointing devices ?
97. Explain speech recognitions.
98. Discuss speech digitization and generation.
99. Describe image and video displays.
100. What are the characteristics of video display devices ?
101. Write a short note on drivers.