

10. Which one of these would NOT be found in a good *HCT*?
 Common short cuts, like CTRL+Z for undo
 Icons that have specific meanings
 Sounds that convey meanings
 A long command line to achieve a function
11. Drive a vehicle while holding a conversation with a passenger is the example of _____
 Focused attention Voluntary Attention
 Divided Attention Involuntary Attention
12. Which of the following sentences is/are false in case of *Thinking aloud testing*?
 slows down the user by about 17% cannot provide performance data
 cannot provide process data is a formative evaluation method
13. Which of the following is/are goal(s) of *usability*?
 Effectiveness Efficiency Safety Security
14. Which of the following is considered as the most complex species?
 Animals Birds Humans Computers
15. Which of the following does not count as one of the advantages of computer?
 Depending so much on computers may give fatal results
 Leading to efficiencies
 Making our life convenient
 Computers are enabling new discoveries
16. The *Num Lock* key found on many keyboards, which enables the user to use the number functions of the numeric keypad rather than the cursor control functions, indicates which of the following *features* is present:
 a mode a quasi-mode a physical constraint a logical constraint
17. Your new sound card is packaged in a plastic anti-static bag. The bag is sealed with a yellow sticker with a written warning not to expose the card to static electricity. The sticker is an example of:
 logical constraint cultural constraint
 physical constraint both cultural and physical constraint
18. Which of the following statements is *false*?
 Norman's logical constraints are one way to implement Nielsen's principle of error prevention.
 The help and documentation called for by Nielsen's usability principle form part of Norman's definition of the system image.
 Norman's principle of feedback is one way to implement Nielsen's principle of "recognition rather than recall."
 All of the above statements are true.
19. Which of the following is/are the main component(s) of a color?
 Hue Intensity Saturation All of the above
20. Scripting (the ability to record and play back programmable sequences of actions) is an example of:
 Speaking the user's language
 Allowing the user model to grow
 The "recognition rather than recall" principle
 A mode in the user interface design

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SECTION "B"

[6 Q. × 4 = 24 marks]

Attempt *ANY SIX* questions.

1. Explain the scenario where *Direct Manipulation Interface* is preferred during interface design.
2. Define *Menu Selection*. Explain different types of *Menus* with examples.
3. If we design a system with *good usability* and *good user experience*, what will be the result? Explain with examples.
4. As a product designer what you need to do for constructing *Personas*. Mention all the steps.
5. Differentiate between *Gulf of Execution* and *Gulf of Evaluation* with suitable examples.
6. What is *Design*? Describe the *Design Principles*.
7. You are a product designer and making plan to introduce software called "*Transaction Management System*". You are designing one system targeted for all kinds of users. Is this plan good or not, support your answer with suitable examples.

SECTION "C"

[2 Q. × 8 = 16 marks]

Attempt *ANY TWO* questions.

8. Elaborate this statement: "*Most users are neither beginners nor experts; instead they are intermediates*". What are the *pointing devices*? Explain different types of *pointing devices* with their characteristics and applications.
9. Being a *Researcher*, identify which methods of *Managing a Design Process* you follow during the interface design and development. Develop a case and support your argument with suitable examples.
10. Explain the importance of *Natural Language* during interface design. What are the basic goals of *Language Design*? Differentiate between *Online Documentation*, *Online Help* and *Online Tutorial* with suitable examples.

