CS408 MCQS MIDT-TERM [Lecture 1-22]

CS408-Human Computer Interaction Quiz MCQS #Objective #Questions #MidTerm

1. Learnability, flexibility, and robustness are three main usability principles that can be considered as general headings for standards and guidelines generation. Which of the following are also high-level usability categories that can guide standards and guidelines generation?
1. Effectiveness 2. Efficiency 3. Fault tolerance 4. Satisfaction

- 1 and 2 y
- 1, 2 and 4 ✔
- 2 and 3
- 2 and 4

2. The comfort and acceptability of use is called

- Efficiency ✔
- Effectiveness
- Satisfaction
- Adaptability

3. The command-line interface is used because

- It is easy to understand
- It is demanded by DOS
- It is offered by Unix systems
- It is powerful and flexible ✔

4. Which one is not an Input Controls?

- checkboxes
- tags ✔
- buttons
- text fields

5. Which of the following is true about Short-Term memory?

- Short-term memory has a limited capacity ✔
- Short-term memory has an unlimited capacity
- Short term memory has no capacity
- Short term memory has large but limited capacity

6. Which of the following device cannot be useful for a visually impaired person?

- a typical keyboard
- a typical monitor ✔
- a typical speaker
- a typical processor

7. Which of the following is considered as the most complex species?

- Humans ✔
- Computers
- Animals
- Birds

8. Visually impaired persons can interact with the outside world using their

- sense of sight
- sense of hearing
- both sense of touch and sense of hearing ✔
- sense of touch

9. Which application allows the registered users to communicate through voice using a microphone, video call using a webcam, and instant messaging over the internet?

- Skype ✔
- Calendar
- Amazon
- CNN

10. Over a short period of time, we find it easier to remember the string of numbers "404 894 6743" because ___

- Numbers are easier to remember than arbitrary characters
- The grouping of the numbers is significant ✔
- Ten numbers are not that many to have to remember from working memory
- None of these

11. Which of the following types of reasoning, derives the logically necessary conclusion from the given premises?

- Deductive ✔
- Inductive
- Abductive
- Distributive

12. HCI deals with

- Design of interactive system only
- Evaluation of an interactive system only
- Implementation of an interactive system only
- All of the given ✔

13. Which one is not Navigational Components?

- slider
- breadcrumb
- progress bar ✔
- icons

14. Which one of the below listed mobile devices is considered as a smartphone?

- Samsung Note2
- Samsung s5
- Apple iPhone
- All of the given ✔

15. The resources expended in relation to the accuracy and completeness with which users achieve goals

- Efficiency ✔
- Effectiveness

- Satisfaction
- Adaptability

16. Which application can be used by the user to set a reminder about upcoming events like birthday or appointments?

- Skype
- Calendar ✔
- Amazon
- None

17. Currently, many common environments for interactive computing are examples of the ___ interface style, often simply called windowing systems

- Three-dimensional
- WIMP ✔
- Point and click
- None

18. There are two aspects in which we can understand the nature of usability
A. Strategic and Tactical
B. Efficiency and Strategy
C. Tactical and Reliability
D. Efficiency and Reliability

- Only A ✔
- Only C
- A and D
- B and C

19. ___ aspect guides us to think about user interface idioms in other words, the way in which the user and the idiom interact

A. Efficient
B. Strategic
C. Tactical
D. Reliable

- Only B ✔
- Only C
- A and B
- C and D

20. Once the user input into system, the input language is translated into the ___ language as operations to be performed by the system

- Task
- Core ✔
- Both
- None

21. A small picture that is used to represent a closed window is said to be a/an

- menu
- toolbar
- status bar
- icon ✔

22. Which of the following is true regarding "Visibility"?

- The more visible functions are, the more likely users will be able to know what to do next ✔
- The more visible functions are, the less likely users will be able to know what to do next
- Functions visibility and user knowing of what to do next, are not related to each other
- None

23. Which of the following type of devices is related to give instructions to the computer?

- input devices ✔
- output devices
- monitors

- hard disks

24. Within the display there is an isolated region to call upon a specific operation by the user is called ___

- Pointers
- Buttons ✔
- Both
- None

25. Choice of operations and services are offered on the screen through ___

- Pointers
- Toolbars
- Menus ✔
- None

26. ___ are unintentional while ___ occur through conscious deliberation.

- Slips, mistakes ✔
- Errors, slips
- Mistakes, errors
- Mistakes, slips

27. What is the main strength of the Problem Space Framework as a model of human problem solving?

- It operates within the constraints of the human processing system ✔
- It explains what is involved in insight
- It allows ill-defined problems to be solved
- None

28. ___ is the process of selecting things to concentrate on, at a point in time, from the range of possibilities available.

- Perception and recognition
- Attention ✔

- Learning
- None

29. Interpretation inquiry, according to Beyer and Holtzblatt, is based on a master-apprentice model learning.

- True
- False ✔

30. The persona is not an actual user of the product, but is indirectly affected by it and its use refers to ___ persona.

- Primary
- Secondary
- Served ✔
- Negative

31. ___ is a powerful, multipurpose design toll that helps overcome several problems that currently plague the development of digital products.

- Scenario
- Persona ✔
- Prototype
- None

32. The difference between the intentions and allowable actions is the:

- Gulf of Execution ✔
- Gulf of Evaluation
- Both
- None

33. Attention is the process of selecting things to concentrate on, at a point in time, from the range of:

- Possibilities available ✔
- Time Available

- None

34. The goals of HCI are:

- Usability and User Experience ✔
- Learnability and Comfort
- Tasks and Goals

35. WYSIWYG stands for ___

- Where you see is where you get
- What you see is what you get ✔
- When you see it when you get

36. ___ is proportional to the amplitude of the sound.

- Pitch
- Loudness ✔
- Timber
- None

37. Persona is not context specific, so it can be reused easily.

- True
- False ✔

38. ___ are individual and isolated regions within display that can be selected by the user to invoke specific operations.

- Buttons ✔
- Pointers
- Menus
- Windows

39. User personas that are not primary or secondary are ___ personas.

- Served

- Negative
- Customer
- Supplemental ✔

40. Which of the following is the comparison of what happened in the world with what we wanted to happen?

- Action
- Evaluation ✔
- Execution
- None

41. The size and shape of a compact disk, is a type of ___ constraint.

- Physical ✔
- Logical
- Cultural
- None

42. ___ research can tell you about what, how, many and why in rich, multivariate detail.

- Quantitative
- Qualitative ✔
- SME
- None

43. Which of the given statements correctly defines effectiveness in terms of one of the usability goals?

- It is a very general goal and refers to how good a system at doing what it is supposed to do. ✔
- It refers to the way a system supports users in carrying out their tasks.
- It involves protecting the users from dangerous conditions.
- It involves protecting the users from undesired situations

44. Which of the following is not a secondary color?

- Green
- Orange
- Purple
- Blue ✔

45. Which of the following requires less cognitive effort than others?

- Listening ✔
- Speaking
- Hearing
- None

46. We are deficient in our development ___, not in our development ___(respectively)

- Process, Tools ✔
- Tools, Process
- Tools, Methodology
- None

47. Which of the following is not true regarding "cones" ?

- A type of receptor in eye
- More sensitive to light ✔
- Different types of cones are sensitive to different wavelengths of the light
- Eye has approximately 6 million cones

48. Which of the following does not count as one of the advantages of computers?

- Computers are enabling new discoveries
- Leading to efficiencies
- Making our life convenient
- Depending so much on computers may give fatal results ✔

49. The gulf of execution refers to ___

- The user's difficulty in understanding the feedback from the system

- The system's difficulty in processing information in the output language
- The system's difficulty in converting an input expression into the correct system state transition ✔
- The user's difficulty in formulating and articulating an intention to the system

50. Which of the following is not true?

- Utility refers to the functioning of a system
- Usability is concerned with making systems easy to use
- Usability is concerned with adding complexity to the the system ✔
- Poorly designed computer system can be extremely annoying to users

51. Which of the following is not one of the primary colors?

- Red
- Yellow
- Blue
- Green ✔

52. Which of the following is concerned primarily with understanding human behavior and the mental processes that underlie it?

- Psychology ✔
- Sociology
- Statistics
- Computer Science

53. Human beings interact with outside world, using their

- input channels
- output channels
- sense of sight
- All of the given ✔

54. ___ refers to the relationship between controls and their effects in the world.

- Visibility

- Affordance
- Mapping ✔
- None

55. ___ plays a role to bridge up the gap between the interfaces of machines and human understanding.

- Human Computer Interaction ✔
- Software Engineering
- Human Computer Interfaces
- None

56. ___ is a very general goal of Usability and refers to how good a system at doing what it is supposed to do.

- Effectiveness ✔
- Efficiency
- Utility
- Safety

57. ___ is what goes on in, out of heads when we carry out our everyday activities?

- Cognition ✔
- Learnability
- Memorability
- None

58. ___ is the process by which we use the knowledge we have to draw conclusions or infer something new about the domain of interest.

- Decision making
- Reasoning ✔
- Problem Solving
- None

59. ___ research helps us understand the domain, context and constraints of a product in different, more useful ways than ___ research do.

- Qualitative, Quantitative ✔
- Quantitative, Qualitative
- Qualitative, Deductive
- None

60. In an organization, individuals may keep their own records, or there may be local gurus. This statement concerns with ___

- Paper work and computer work
- Spatial and temporal organizations
- Organizational memory ✔
- None

61. Using icons on the desktop to represent operations is a type of ___ constraint.

- Physical
- Logical
- Cultural ✔
- None

62. ___ is a term used to refer to an attribute of an object that allows people to know how to use it.

- Visibility
- Affordance ✔
- Constraint
- None

63. ___ minimizes errors.

- Affordance
- Visibility ✔
- Constraints
- None

64. The persona's needs are sufficiently unique to require a distinct interface form and behavior is ___ type of Persona.

- Primary ✔
- Secondary
- Supplement
- Negative

65. A ___ is usually a collection of icons those are reminiscent of the purpose of the various modes.

- Button
- Pointer
- Palette ✔
- Title bar

66. During ___ phase, usage and workflow patterns discovered through ___ of the field research and interviews are synthesized into domain and user models.

- Modeling, analysis ✔
- Analysis, modeling
- Testing, modeling
- Testing, analysis

67. Waterfall model is basically a ___ model in which each step must be completed before the next step can be started:

- Incremental
- Linear ✔
- Iterative
- Analytical

68. Models are used in design to

- Generate the design
- Evaluate the design
- Generate and Evaluate the design ✔
- None

69. What is a semantic network?

- A model of long-term memory ✔
- A record of our memory of events
- The part of the brain which allows us to remember things
- A mechanism for improving memory

70. Which are the most significant senses for the average person when it comes to interacting with a computer?

- Sight and hearing
- Hearing, touch, and smell
- Hearing and touch
- Sight, hearing and touch ✔

71. ___ refers to the way a system supports users in carrying out their tasks.

- Efficiency ✔
- Effectiveness
- Utility
- None

72. ___ are GUIs that consists of electronic counterparts to physical objects in the real world to match the knowledge requirements of users.

- User Interaction Models
- Conceptual Models
- Interface Metaphors ✔
- None

73. ___ language tends to be grammatical while ___ language is often Ungrammatical

- Written, spoken ✔
- Spoken, written
- Verbal, non-verbal
- None

74. Aspect gives us hints and tips about using and creating user interface idioms.

- Strategic
- Tactical ✔
- Efficient
- Reliable

75. The usability engineering life-cycle was proposed by ___

- Deborah Mayhew ✔
- Webster
- Barry Boehm
- Hartson

76. GOMS stands for:

- Goals, operation, methods, and selection rules ✔
- Goals, objects, models and selection rules
- Goals, operations, methods, and state rules
- Goals, operations, models and state rules

77. Ali is looking at how interface designers went about their work. He identified two different modes of activity: one is ___ and other is ___

- Analytic mode, Synthetic mode ✔
- Evaluation mode, testing mode
- Analyze mode, feedback mode
- Implementation mode, task mode

78. Drive a vehicle while holding a conversation with a passenger is the example of ___

- Focused Attention
- Voluntary Attention
- Involuntary attention
- Divided Attention ✔

79. ___ are dragged down from the title at the top of the screen.

- Pull Down Menus ✔
- Main Menus
- Icons
- Buttons

80. When you engaged in a conversation you are more attentive what the other person is saying. It is called?

- Focused Attention ✔
- Voluntary Attention
- Involuntary Attention
- Divided Attention

81. Which of the following is/are the main component(s) of color?

- Hue
- Intensity
- Saturation
- All of given ✔

82. ___ represent the user's expectations of the tangible outcomes of using a specific product.

- Non-user goals
- End goals ✔
- Experience goals
- Life goals

83. Which of the following is proportional to the amplitude of the sound; the frequency remains constant?

- Pitch
- Loudness ✔
- Timber
- None

84. You can load a VCR tape the right way because of ___

- Physical constraints ✔
- Logical constraints
- Cultural constraints
- None

85. A mouse button invites pushing by the way it is physically constrained in its plastic shell, is an example of ___ Design Principle.

- Visibility
- Affordance ✔
- Mapping
- None

86. "Mistakes" and "Slips" are two forms of:

- Errors ✔
- Goals
- Evaluation
- Objectives

87. Ergonomics is also called ___

- Assembly
- Human Factors ✔
- Both
- None

88. User and system has its own unique language, the language used by the system is called ___

- Core ✔
- Task
- Both
- None

89. You are given 4 cards displaying 4, E, 7 and K respectively, and you are told that if a card has a vowel on one side it has an even number on the other. Which cards would you have to turn over to heck whether this is the case?

- E and 4
- E and 7
- E, 4, and 7 ✔
- 4, E, 7 and K

90. What will be the gulf of execution if the user is able to formulate and perform the actions easily?

- Smaller ✔
- Greater
- Balanced
- None

91. Certain factors that help us to interact with graphical based systems is ___

- Indirect manipulation
- Direct manipulation ✔
- Both
- None

92.Which interface system is based on the question/answer dialogue?

- Command Line interfaces
- Query interfaces ✔
- Menus
- Natural Language interfaces

93. Taking some real world concept to perform different tasks that represent some idea, inside the computer is type of ___

- Direct manipulation ✔
- Desktop metaphors
- Central processing unit

- None

94. Example of form fill interface is ___

- A dialog box
- Pop up menus
- Data entry form on some university web ✔
- All of given

95. Building things from user's perspective is called ___

- Functionality
- Usability ✔
- Portability
- None

96. Form-filling interfaces are used for:

- Data entry ✔
- Data integration
- Data manipulation
- Data definition

97. Formal methods are used to represent:

- Architectural aspects of software systems only
- Procedural aspects of software systems only
- Both architectural and procedural aspects of software systems ✔
- None

98. The colors, which are directly opposite to each other are said to be:

- Complementary colors ✔
- Analogous colors
- Primary colors
- Secondary colors

99. Which of the following is not one of the goals of HCI?

- To produce usable systems
- To produce safe systems
- To produce non-functional systems ✔
- To improve effectiveness of the systems

100. According to Juran, the fitness for purpose or use, is said to be

- Usability
- Efficiency
- Reliability
- Quality ✔

101. Which of the given statements correctly defines efficiency in terms of one of the usability goals?

- It is a very general goal and refers to how good a system at doing what it is supposed to do.
- It refers to the way a system supports users in carrying out their tasks. ✔
- It involves protecting the users from dangerous conditions
- It involves protecting the users from undesired situations

102. Which of the following is the statement given by "Novatech" as a result of a survey on the embarrassing experiences of computers?

- One in every four computers has been physically attacked by its owner
- Every computer can be saved from any type of physical attacks
- Every computer is attacked physically one in its life time
- One in every four computers has been physically attacked by some outside source ✔

103. Which of the following is/are goal(s) of usability?

- Effectiveness
- Efficiency
- Safety

- All of given ✔

104. What are the three types of reasoning?

- Deductive, Productive and Inductive
- Abdicative, Inductive and Deductive ✔
- Inductive, Abdicative, and Reproductive
- Productive, Reproductive and Deductive

105. Totality of characteristics of an entity that bear on its ability to satisfy stated and implied needs are called ___

- Quality ✔
- Effectiveness
- Standard
- Quantity

106. User and System has its own unique language, the language used by the user is called __

- Task ✔
- Core
- Both
- None

107. The human eye has approximately ___ rods and ___ cones per eye.

- 120 million, 6 million ✔
- 190 million, 3 billion
- 150 billion, 6 million
- None

108. Which of the following is a true statement?

- Human-computer interface specialists are user-centered and software engineers are system centered ✔

- Human-computer interface specialists are system-centered and software engineers are user-centered
- Human-computer interface specialists and software engineers, both are system-centered
- Human-computer interface specialists and software engineers, both are user-centered

109. Which of the following is flaw in waterfall model?

- requirements change over time ✔
- maintenance cannot be possible at the end
- testing should be done before requirements gathering
- All of given

110. Which of the following is used to toggle between two states?

- check boxes
- Radio buttons ✔
- Toolbars
- Menus

111. Which of the following is a text entry device?

- Keyboard ✔
- Mouse
- Monitor
- Touch pad

112. The ___ model should match the ___ model.

- User, conceptual
- Conceptual, mental ✔
- Mental, central
- Conceptual, central

113. Which of the following is/are aspect(s) of human action?

- execution and evaluation ✔
- evaluation and efficiency
- efficiency and execution
- efficiency

114. If you are taking lecture and suddenly you hear music or voices from the other room. It is called?

- Focused attention
- Divided attention
- Voluntary attention
- Involuntary attention ✔

115. Which of the following is a long-term individual difference?

- Age
- Sex ✔
- Fatigue
- Color

116. As a software designer, which aspects guide you to think about the Way in which the user and the idiom interact?

- Tactical
- Manual
- Technical
- Strategic ✔

117. Adeel renders financial services in "ABC" bank. He specialized in his field. What he is called as from the following?

- Society of manufacturing engineer (SME)
- Subject matter expert (SME) ✔
- Small and medium enterprise (SME)
- Subject master engineering (SME)

118. Scenario content and context are derived from information gathered during ___ phase and analyzed during the ___ phase (respectively)

- modeling, implementation
- modeling, research
- research, implementation
- research, modeling ✔

119. Which of the following is least likely to be revealed by a paper prototype?

- Your users don't know the term algorithm
- Toolbar buttons are too small to press ✔
- The help menu isn't in the right place
- Radio buttons are too small

120. Requirements specification involves:
A. Capturing the functional requirements of the system architecture
B. Eliciting information about Work domain from the customer

- Only A
- Only B ✔
- Both A and B
- None

121. What are the most common things you do with the product is a type of ___

- Goal-oriented question
- System-oriented question ✔
- Workflow-oriented question
- Attitude-oriented question

122. What do you procrastinate on? is type of ___

- Priorities
- Avoidance ✔
- Exceptions
- Preference

123. ___ cognitive process involves encoding and recalling knowledge and acting appropriately.

- Attention
- Reduction
- Memory ✔
- Encoding

124. Transactional sites that are used for a significant part of an employee's job should be considered full ___ applications.

- Sovereign ✔
- Transient
- Temporary
- None

125. Alia is used to describe design problem/solution by ___ that is an imagined or projected sequence of events, especially any of several detailed plans or possibilities.

- Persona ✔
- Scenario
- Flowchart
- Brainstorming

126. Around 63% of software projects exceed their cost estimates. The top four reasons for this are:
A-Frequent requests for change from users
B-Overlooked tasks
C-User's lack of understanding of their own requirements
D-Insufficient user-analyst communication and understanding

- Only A
- Only B
- Only D
- A, B, C, & D ✔

127. ___ of the potential sales from a site are lost because people cannot find the item they are looking for

- 50% ✔
- 40%
- 30%
- 10%

128. Human eye is very sensitive to ___

- Air
- Smoke
- Light ✔
- Sand

129. Top of the web page contain the ___

- Menu
- Title bar ✔
- Home icon
- Back button

130. The star life cycle was proposed by ___

- Deborah Mayhew
- Webster
- Barry Boehm
- Hartson ✔

131. What do you enjoy most about your job (or lifestyle) is an example of ___

- Avoidance
- Motivation ✔
- Exceptions
- Attitude-oriented questions

132. ___ represents the early-phase of ethnographic interviews.

- Clarify user roles and behaviors
- Confirm patterns of use
- Clarifying questions
- Focused on domain knowledge ✔

133. There can only be one ___ persona per interface for a product.

- Primary ✔
- Secondary
- Supplemental
- Customer

134. ___ personas address the needs of customers, not end users.

- Served
- Negative
- Customer ✔
- Supplemental

135. ___ is a usability goal and refers to how easy a system is to remember how to use, once learned.

- Learnability
- Memorability ✔
- Utility
- None

136. Ali is working on a document called CV in MS word now wishes to make a copy of it on disk so he can make some changes to the original, Which of the following process will help?

- Redo
- Archiving ✔
- Undo
- Milestoning

137. When you try to log to yahoo. You wrongly enter password in capital letter, due to which error message arise invalid username and password. Which of the following error message dialog will appear?

- Alerts ✔
- Confirmation
- Feedback
- Delete

138. With the help of ___ Model, one can quantify (on the basis of Quantitative Measurement) the human performance in using computer-based system

- GOMS ✔
- Human processor model
- Quantum model
- Quality model

139. Ethnography is a method that comes originally from anthropology and literally means

- Writing the culture ✔
- Social issues
- Ethical issues
- Ethics

140. Physical objects are said to have ___ affordance

- Real ✔
- Perceived
- Logical
- Intuitive

141. Which of these specialists is user centered?

- HCI ✔
- Software engineer
- Computing Technology