VIRTUALINS SOCIAL NETWORK
Free Online Help, Guidance and Solutions for Virtual University Students
www.virtualians.pk
www.virtualians.pk

CS408 Human Computer Interaction Solved Objective Midterm Papers For Preparation of Midterm Exam

What will be the gulf of execution if the user is able to formulate and perform the actions easily;
Smaller
Greater
Balanced
None of the Given

Certain factors that help us to interact with graphical based systems is_____
Indirect manipulation
Direct manipulation
Both
None of the given

Which interface system is based on the question/answer dialogue?
Command Line Interfaces
Query interfaces
Menus
Natural Language Interfaces

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 of these

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 of the given

Example of form fill interface is_____
A dialog box
Pop up menus
Data entry form on some university web
All of the given

Building things from user's perspective is called _____

Functionality
Usability
Portability
None of the given

A small picture that is used to represent a closed window is said to be a/an
Menu
Toolbar
status bar
icon

Form-filling interfaces are used for
data entry
data integration
data manipulation
data definition

User and system has its own unique language, the language used by the user is called_____
Task
Core
Both
None of the give options

This is not a characteristic of usability test

The primary goal is to improve usability
The participants do not represent real users
Observe and record what participants do and say

_____is an early release of a product to a few users.
Surveys
Beta test
Focus

_____ has a goal of assessing whether the product works according to its specifications.
Trunk Test
Quality assurance

_____ is a usability test in which a member of the test team sits in the room with the participant and actively probes the participant's understanding of whatever is being tested.
Co discovery
Active intervention
Trunk test

VIRTUALINS SOCIAL NETWORK
Free Online Help, Guidance and Solutions for Virtual University Students
VU
www.virtualians.pk
www.virtualians.pk

In usability test, which is a technique from given below opttions, in which you have two participants work together to perform the tasks.
Active Intervention
Co-Discovery
Trunk test

_____ is needed to check that users can use the product and like it.
Coding
Evaluation
Guideline

What site is this", Statement represents_____.
Folder
Site ID
Scroll bar

Exploring how children talk together in order to see if an innovative new groupware product would help them to be more engaged would probably be better informed by a _____.
Usability testing
Field study
Predictive evaluation
DECIDE framework

The _____ phase sets the stage for the core of the design effort
Requirement definition
Modeling
Implementation
None of the given

Evaluations done during design to check that product continues to meet uses' needs are known as _____ evaluation.
Formative
Summative
Relative
None of the given

_____ frequent your primary personas access the site,_____ transient a stance the site needs to take (respectively).
More, Less
Less, More
Less, Less
None the given

In DECIDE frame work _____comes just after choosing the evaluation paradigm and techniques.
Deciding about ethical issues

Exploring the questions
Identifying the practical issues
None of the given

_____capture the non-verbal dialogue between artifact and user over time.
Persona
Scenario
Dialogue
Design Model

_____ patterns can be applied at the conceptual level.
Postural
Structural
Behavioral
Mnemonic

Which of the following I least likely to be revealed by a paper prototype?
Your user don't know the term algorithm
Toolbar button are too small to press
The help menu isn't in the right place.
None of the given

Information sites with daily-updated information will naturally attract _____ users more than a monthly- updated site.
Repeat
Infrequent
Nonuser
None of the given

There can only be one _____ persona per interface for a product
Primary
Secondary
Supplemental
Customer

Overviews serve a similar purpose to _____ in an interface.
Navigation
Excise
Signposts
None of the given

We are deficient in our development _____, not in our development _____ (respectively).
Select correct option:
Process, Tools
Tools, Process
Tools, Methodology

None of these

Which of the following is not true regarding "cones"?
Select correct option:
A type of receptor in eye more sensitive to light
Different types of cones are sensitive to different wavelengths of light
Eye has approximately 6 million cones

Which of the following does not count as one of the advantages of computers?
Select correct option:
Computers are enabling new discoveries
Leading to efficiencies
Making our life convenient
Depending so much on computers may give fatal results

The gulf of execution refers to _____ .
Select correct option:
The user's difficulty in understanding the feedback from the system
The system's difficulty in presenting 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

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? (i) Effectiveness (ii) Efficiency (iii) Fault tolerance (iv) Satisfaction
Select correct option:
(i) & (ii)
(i), (ii) & (iv)
(ii) & (iii)
(ii) & (iv)

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 of the given

The colors, which are directly opposite to each other are said to be
complementary colors
analogous colors
primary colors
secondary colors

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.

Which of the following device can not be useful for a visually impaired person?
a typical keyboard
a typical monitor
a typical speaker
a typical processor

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

Human beings interact with outside world, using their
input channels
output channels
sense of sight
All of the given

Which of the following is/are the main component(s) of color?
Select correct option:
Hue
Intensity
Saturation
All of the given

Which of the following is not one of the primary colors?
Select correct option:
Red
Green
Yellow
Green

Which of the following is concerned primarily with understanding human behavior and the mental processes that underlie it?
Select correct option:
Psychology
Sociology
Statistics
Computer Science

Which are the most significant senses for the average person when it comes to interacting with a computer?
Select correct option:
Sight and hearing
Hearing, touch and smell
Hearing and touch
Sight, hearing and touch

According to Juran, the fitness for purpose or use, is said to be
usability
efficency
reliability
quality

Which of the given statements correctly defines efficiency in terms of one of the usability goals?
Select correct option:
It is a very general goal and refers to how good a system at doing what it is suppose 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
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 is not that many to have to remember from working memory.
None of these

The colors, which are directly opposite to each other are said to be
Select correct option:
complementary colors
analogous colors
primary colors
secondary colors

We are deficient in our development _____, not in our development _____ (respectively).
Select correct option:
Process, Tools
Tools, Process
Tools, Methodology
None of these

Which of the following does not count as one of the advantages of computers?
Select correct option:
Computers are enabling new discoveries
Leading to efficiencies
Making our life convenient

Depending so much on computers may give fatal results

The gulf of execution refers to _____ .
Select correct option:
The user's difficulty in understanding the feedback from the system
The system's difficulty in presenting 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

Which of the following is considered as the most complex species?
Select correct option:
Humans
Computers
Animals
Birds

Which of the following is the statement given by "Novatech" as a result of a survey on the embarrassing experiences of computers?
Select correct option:
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

According to Juran, the fitness for purpose or use, is said to be
Select correct option:
usability
efficency
reliability
quality

Which of the given statements correctly defines efficiency in terms of one of the usability goals?
Select correct option:
It is a very general goal and refers to how good a system at doing what it is suppose 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

Which of the following does not count as one of the advantages of computers?
Select correct option:
Computers are enabling new discoveries

Leading to efficiencies
Making our life convenient
Depending so much on computers may give fatal results

Which of the following is/are goal(s) of usability?
Select correct option:
Effectiveness
Efficiency
Safety
All of the given
Which of the following is/are the main component(s) of color?
Select correct option:
Hue
Intensity
Saturation
All of the given
Which of the following is true about Short-Term memory?
Select correct option:
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.

Human beings interact with outside world, using their
Select correct option:
input channels
output channels
sense of sight
All of the given

GOMS stands for
Select correct option:
goals,operations, methods and selection rules
goals,objects, models and selection rules
goals,operations, methods and state role
goals,orientation, models and state role

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

Drive a vehicle while holding a conversation with a passenger is the example of _____ .
Focused Attention

Voluntary Attention
Involuntary attention
Divided Attention

Ali requires access via a navigational portal relatively infrequently that provides clear, simple navigational control. Which of the following posture is appropriate in this case?
Auxiliary
Transient
Information
Sovereign

The Usability Engineering lifecycle was proposed by _____.
Deborah Mayhew
Websterfg
Barry Boehm
Hartson

XYZ Ltd is well reputed software house; they make a significant investment in building ------------------ that encourages greater customer loyalty.
Visual Symbols
Grouping
Brand Equity
Harmony

Ali wants to develop an application that incorporates print, audio video media and software applications on a single place. Which of the following will help in this regard?
MS World
Worldwide Web
Television Newspaper

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

Scenario content and context are derived from information gathered during the _____ phase and analyzed during the _____ phase (respectively)
Modeling, Implementation
Modeling, Research
Research, Implementation
Research, Modeling

_____ refers to the way a system supports users in carrying out their tasks.
Efficiency

www.virtualians.pk

Effectiveness
Utility
_____ 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

_____language tends to be grammatical while _____ language is often Ungrammatical.
Written, spoken
Spoken, written
None of the given choices

Aspect gives us hints and tips about using and creating user interface idioms.
Strategic
Tactical
None of the given choices

Which of the following requires less cognitive effort than others?
Select correct option:
listening
speaking
hearing
None of the given

What are the three types of reasoning?
Select correct option:
Deductive, Productive and Inductive
Adductive, Inductive and Deductive
Inductive, Adductive and Reproductive
Productive, Reproductive and Deductive

Which of the following is not true?
Select correct option:
 Utility refers to the functionality of a system
 Usability is concerned with adding complexity to the system
 Usability is concerned with making systems easy to use
 Poorly designed computer system can be extremely annoying to users

Which of the given statements correctly defines effectiveness in terms of one of the usability goals?
Select correct option:
It is a very general goal and refers to how good a system at doing what it is suppose 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

Which of the following is not a secondary color?
Select correct option:
Green
Orange
Purple
Blue

1 What will be the gulf of execution if the user is able to formulate and perform the actions easily;
Smaller
Greater
Balanced
None of the Given

2 Certain factors that help us to interact with graphical based systems is_____
Indirect manipulation
Direct manipulation
Both
None of the given

3 Which interface system is based on the question/answer dialogue?
Command Line Interfaces
Query interfaces
Menus
Natural Language Interfaces

4 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 of these

5 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 of the given

6 Example of form fill interface is_____
A dialog box

Pop up menus
Data entry form on some university web
All of the given

7 Building things from user's perspective is called _____
Functionality
Usability
Portability
None of the given

8 A small picture that is used to represent a closed window is said to be a/an
Menu
Toolbar
status bar
icon

9 Form-filling interfaces are used for
data entry
data integration
data manipulation
data definition

10 User and system has its own unique language, the language used by the user is called_____
Task
Core
Both
None of the give options

11 This is not a characteristic of usability test

The primary goal is to improve usability
The participants do not represent real users
Observe and record what participants do and say

12 _____is an early release of a product to a few users.
Surveys
Beta test
Focus

13 _____ has a goal of assessing whether the product works according to its specifications.
Trunk Test
Quality assurance

VIRTUALINS SOCIAL NETWORK
Free Online Help, Guidance and Solutions for Virtual University Students
www.virtualians.pk

14 _____ is a usability test in which a member of the test team sits in the room with the participant and actively probes the participant's understanding of whatever is being tested.
Co discovery
Active intervention
Trunk test

15 In usability test, which is a technique from given below opttions, in which you have two participants work together to perform the tasks.
Active Intervention
Co-Discovery
Trunk test

16 _____ is needed to check that users can use the product and like it.
Coding
Evaluation
Guideline

17 What site is this", Statement represents_____.
Folder
Site ID
Scroll bar

18 Exploring how children talk together in order to see if an innovative new groupware product would help them to be more engaged would probably be better informed by a _____.
Usability testing
Field study
Predictive evaluation
DECIDE framework

19 The _____ phase sets the stage for the core of the design effort
Requirement definition
Modeling
Implementation
None of the given

20 Evaluations done during design to check that product continues to meet uses' needs are known as _____ evaluation.
Formative
Summative
Relative
None of the given

21 _____ frequent your primary personas access the site,_____ transient a stance the site needs to take (respectively).
More, Less

Less, More
Less, Less
None the given

22 In DECIDE frame work _____comes just after choosing the evaluation paradigm and techniques.
Deciding about ethical issues
Exploring the questions
Identifying the practical issues
None of the given

23 _____capture the non-verbal dialogue between artifact and user over time.
Persona
Scenario
Dialogue
Design Model

24 _____ patterns can be applied at the conceptual level.
Postural
Structural
Behavioral
Mnemonic

25 Which of the following I least likely to be revealed by a paper prototype?
Your user don't know the term algorithm
Toolbar button are too small to press
The help menu isn't in the right place.
None of the given

26 Information sites with daily-updated information will naturally attract _____ users more than a monthly- updated site.
Repeat
Infrequent
Nonuser
None of the given

27 There can only be one _____ persona per interface for a product
Primary
Secondary
Supplemental
Customer

28 Overviews serve a similar purpose to _____ in an interface.
Navigation
Excise

Signposts
None of the given

29 We are deficient in our development _____, not in our development _____ (respectively).
Select correct option:
Process, Tools
Tools, Process
Tools, Methodology
None of these

30 Which of the following is not true regarding "cones"?
Select correct option:
A type of receptor in eye more sensitive to light
Different types of cones are sensitive to different wavelengths of light
Eye has approximately 6 million cones

31 Which of the following does not count as one of the advantages of computers?
Select correct option:
Computers are enabling new discoveries
Leading to efficiencies
Making our life convenient
Depending so much on computers may give fatal results

32 The gulf of execution refers to _____ .
Select correct option:
The user's difficulty in understanding the feedback from the system
The system's difficulty in presenting 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

33 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? (i) Effectiveness (ii) Efficiency (iii) Fault tolerance (iv) Satisfaction
Select correct option:
(i) & (ii)
(i), (ii) & (iv)
(ii) & (iii)
(ii) & (iv)

34 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 of the given

35 The colors, which are directly opposite to each other are said to be
complementary colors
analogous colors
primary colors
secondary colors

36 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.

37 Which of the following device can not be useful for a visually impaired person?
a typical keyboard
a typical monitor
a typical speaker
a typical processor

38 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

39 Human beings interact with outside world, using their
input channels
output channels
sense of sight
All of the given

40 Which of the following is/are the main component(s) of color?
Select correct option:
Hue
Intensity
Saturation
All of the given

41 Which of the following is not one of the primary colors?
Select correct option:
Red

Green
Yellow
Green

42 Which of the following is concerned primarily with understanding human behavior and the mental processes that underlie it?
Select correct option:
Psychology
Sociology
Statistics
Computer Science

43 Which are the most significant senses for the average person when it comes to interacting with a computer?
Select correct option:
Sight and hearing
Hearing, touch and smell
Hearing and touch
Sight, hearing and touch

44 According to Juran, the fitness for purpose or use, is said to be
usability
efficency
reliability
quality

45 Which of the given statements correctly defines efficiency in terms of one of the usability goals?
Select correct option:
It is a very general goal and refers to how good a system at doing what it is suppose 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

46 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 is not that many to have to remember from working memory.
None of these

47 The colors, which are directly opposite to each other are said to be
Select correct option:
complementary colors
analogous colors
primary colors

VIRTUALINS SOCIAL NETWORK
Free Online Help, Guidance and Solutions for Virtual University Students
www.virtualians.pk

secondary colors

48 We are deficient in our development _____, not in our development _____ (respectively).
Select correct option:
Process, Tools
Tools, Process
Tools, Methodology
None of these

49 Which of the following does not count as one of the advantages of computers?
Select correct option:
Computers are enabling new discoveries
Leading to efficiencies
Making our life convenient
Depending so much on computers may give fatal results

50 The gulf of execution refers to _____ .
Select correct option:
The user's difficulty in understanding the feedback from the system
The system's difficulty in presenting 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

51 Which of the following is considered as the most complex species?
Select correct option:
Humans
Computers
Animals
Birds

52 Which of the following is the statement given by "Novatech" as a result of a survey on the embarrassing experiences of computers?
Select correct option:
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

53 According to Juran, the fitness for purpose or use, is said to be
Select correct option:
usability
efficency
reliability
quality

54 Which of the given statements correctly defines efficiency in terms of one of the usability goals?
Select correct option:
It is a very general goal and refers to how good a system at doing what it is suppose 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

55 Which of the following does not count as one of the advantages of computers?
Select correct option:
Computers are enabling new discoveries
Leading to efficiencies
Making our life convenient
Depending so much on computers may give fatal results

56 Which of the following is/are goal(s) of usability?
Select correct option:
Effectiveness
Efficiency
Safety
All of the given
57 Which of the following is/are the main component(s) of color?
Select correct option:
Hue
Intensity
Saturation
All of the given
58 Which of the following is true about Short-Term memory?
Select correct option:
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.

59 Human beings interact with outside world, using their
Select correct option:
input channels
output channels

sense of sight
All of the given

60 GOMS stands for
Select correct option:
goals,operations, methods and selection rules
goals,objects, models and selection rules
goals,operations, methods and state role
goals,orientation, models and state role

61 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

62 Drive a vehicle while holding a conversation with a passenger is the example of _____ .
Focused Attention
Voluntary Attention
Involuntary attention
Divided Attention

63 Ali requires access via a navigational portal relatively infrequently that provides clear, simple navigational control. Which of the following posture is appropriate in this case?
Auxiliary
Transient
Information
Sovereign

64 The Usability Engineering lifecycle was proposed by _____.
Deborah Mayhew
Websterfg
Barry Boehm
Hartson

65 XYZ Ltd is well reputed software house; they make a significant investment in building ------------------- that encourages greater customer loyalty.
Visual Symbols
Grouping
Brand Equity
Harmony

66 Ali wants to develop an application that incorporates print, audio video media and software applications on a single place. Which of the following will help in this regard?

MS World
Worldwide Web
Television Newspaper

67 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

68 Scenario content and context are derived from information gathered during the _____ phase and analyzed during the _____ phase (respectively)
Modeling, Implementation
Modeling, Research
Research, Implementation
Research, Modeling

69_____ refers to the way a system supports users in carrying out their tasks.
Efficiency
Effectiveness
Utility
70_____ 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

71 _____language tends to be grammatical while _____ language is often
Ungrammatical.
Written, spoken
Spoken, written
None of the given choices

72 Aspect gives us hints and tips about using and creating user interface idioms.
Strategic
Tactical
None of the given choices