Cs408 - Human Computer Interaction
For Final Term
By *Miss Kazmi*

_____ is like the building name for a website.

► **Site ID**   **P/287**
► Navigation
► Section
► None of the given

_____ is particularly useful early in design. It is excellent technique to use with the prototype, because it provides a wealth of diagnostic information.

► Co-discovery
► **Active intervention**   **P/276**
► Splendid research
► None of the given

_____ is the extra work that satisfies the needs to achieve our objective.

► Evaluation
► **Excise**   **P/245**
► Testing
► None of the given

Panes, frames and other containers on screen is a kind of _____

► **Functional and data elements**   **P/206, Lect#24**
► View
► Input method
► None of the given

_____ is the least technical way of collecting data, but it can be difficult and tiring to write and observe at the same time.

► Audio recording
► **Taking notes**   **P/365, Lecture # 40**
► Observation
► Video

Every page within a site should contain a brief _____ that accurately describes the content of the page.

► **Site ID.**
► Header
► Local Navigation

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► Search button

_____ applications are great platforms for creating an environment rich, in visual feedback for the user.

► **Sovereign** **P/222**
► Transient
► Auxiliary
► Daemonic

What is the fifth step in defining the requirements with respect to persona-based design?

► Brainstorming.
► Identifying persona expectations
► Constructing the context scenario
► **Identifying needs** **P/200**

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

► **Physical constraints** **(Google)**
► Logical constraints
► Cultural constraints
► None of these

_____ are unintentional while _____ occur through conscious deliberation.

► **Slips, mistakes** **P/100**
► Errors, slips
► Mistakes, errors
► Mistakes, slips

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** **P/91**
► It explains what is involved in insight
► It allows ill-defined problems to be solved
► None of these

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

► Perception and recognition
► **Attention** **P/76**
► Learning
► None of these

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

_____environments are environments that are user and context aware.

► **Attentive**   **P/418**
► Non-attentive
► Visual
► Sensing

_____ involves watching and listening to users.

► **Observation**   **P/361**
► Evaluation
► Qualitative research
► Interaction

The name of the document should be shown on the application's_____.

A. Menu bar
B. Title bar
C. Title bar and menu bar
D. Not Title bar and not menu bar

► **Only B**   **P/326**
► Only D
► A and B
► A and D

The established standard suite of _____ for most applications consists of the Save As dialog, the Save Changes dialog, and the Open File dialog.

► OS management
► **File management**   **P/325**
► Data management
► Application management

_____ is the remarkable facility that lets us reverse a previous action.

► Redo
► **Undo**   **P/310**
► Repeat
► Delete

Explanatory undo is, generally, a much more pleasant feature than _____.

► Single Undo
► Multiple undo
► **Blind undo**   **P/312**

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► Incremental Undo

Browser Title always contains the word '_____'.
► **Home** **P/300**
► Default
► Error
► Browser

Interpretation inquiry, according to Beyer and Holtzblatt, is based on a master-apprentice model of learning.
► True
► **False** **P/176**

Contextual inquiry, according to Beyer and Holtzblatt, is based on a master-apprentice model of learning:

Roughly _____ percent of the male population has some degree of color blindness.
► **10** **P/358__ Lecture- 39**
► 20
► 30
► 40

The _____ is a concrete expression of the more abstract structure of the site.
► **Skeleton** **P/306**
► Scope
► Strategy
► Structure

_____ are the street signs of the web.
► Site IDs
► Home pages
► **Page Names** **P/391**
► Sections

_____ is not like other pages; it has different burdens to bear, different promises to keep.
► **Homepage** **P/287**
► Form
► Navigation bar
► Sections

The _____ suggests identifying goals and questions first before selecting techniques for the study
► RVM model

► **DECIDE framework**   **P/367**
► Usability testing
► Field study

Number of keystrokes is _____ work.
► Logical
► Mnemonic
► **Physical**   **P/212 __ Lecture-25**
► Structural

Recalling password is _____ work.
► Logical
► **Mnemonic**   **P/212 __ Lecture-25**
► Physical
► Structural

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**   **P/159**
► Negative

_____ is a powerful, multipurpose design tool that helps overcome several problems that currently plague the development of digital products.
1. Scenario
2. Persona   **P/187__ Lecture-22**
3. Prototype

The difference between the intentions and allowable actions is the:
1. Gulf of Execution   **P/103__ Lecture -12**
2. Gulf of Evaluation
3. None of these

Attention is the process of selecting things to concentrate on, at a point in time, from the range of
1. Possibilities available   **P/76**
2. Time Available
3. None of these

The goals of HCI are :
1. Usability and User Experience
2. Learn ability and Comfort
3. Tasks and Goals.

While there can be wide variations in where and how you conduct a usability test, every usability test shares:

1. Three Characteristics

2. Five Characteristics   **P/270**

3. Seven Characteristics

WYSIWYG stands for _____.

? Where you see is where you get

? What you see is what you get   **P/36, Lecture-4**

? When you see it when you get

_____ is proportional to the amplitude of the sound.

➢ Pitch

➢ **Loudness**   **P/70, Lecture-8**

➢ Timber

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

? True

? False   **P/189, Lecture_22**

_____ is the extra work that satisfies the needs to achieve our objective.

Evaluation

Excise   **P/245**

Testing

In an email application configuring a new email server is a key path activity.

► **True**

► False

_____ are perhaps the least-documented patterns, but they are nonetheless in widespread use.

► Postural

► **Structural**   **P/217**

► Behavioral

► Mnemonic

The way people carry out an activity in the real world is same as how it may be observed in the laboratory

► True

► **False**   **P/256**

Hence the way people carry out an activity (e.g., preparing a report) in

the real world is very different from how it may be observed in a laboratory   (page:256)

Engineering a user interface involves a quantitative engineering style of working in which measurements are used to judge the quality of interface. Hence _____ is appropriate.
- ► **Usability testing**   **P/264**
- ► Field study
- ► Predictive evaluation
- ► DECIDE framework

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**   **P/264**
- ► Predictive evaluation
- ► DECIDE framework

Beneath the surface is the _____ of the site: the placement of buttons, tabs, photos, and blocks of text.
- ► Surface
- ► Structure
- ► **Skeleton**   **P/306, Lecture_35**
- ► Scope

Roughly _____ percent of the male population has some degree of color blindness.
- ► **10**   **P/358__ Lecture- 39**
- ► 20
- ► 30
- ► 40

_____ are individual and isolated regions within display that can be selected by the user to invoke specific operations.
- ► **Buttons**   **P/133**
- ► Pointers
- ► Menus
- ► Windows

The _____ function came into being as the result of the implementation model for undo
- ► **Redo**   **P/314**
- ► Undo
- ► Repeat
- ► Delete

If the user wants to _____ place the document somewhere in the file system hierarchy, he can request this function from the menu.

► **Explicitly**   **P/327**
► Implicitly
► Habitually
► Properly

Design of user interfaces does not entirely _____ aesthetic concerns, but rather it places such' concerns within the constraints of a _____ framework

► Include, Functional
► **Exclude, Functional**   **P/343, Lecture-38**
► Include, Non-Functional
► Exclude, Non-Functional

When developing _____, plan to keep them short, straightforward and avoid asking too many.

► Videos
► Documentation
► **Interview questions**   **P/371**
► Contextual enquiry

Conventional wisdom says that _____ tell the user when he has made some mistake.

► Program crash
► System stuck
► **Error messages**   **P/382**
► Metadata

People frequently counter the idea of _____feedback with arguments that users don't like it

► **Audible**   **P/393**
► Video
► Walkthroughs
► Questions

_____environments are environments that are user and context aware.

► Non-attentive
► Visual
► Sensing
► **Attentive**   **P/418**

User personas that are not primary or secondary are _____ personas.

► Served
► Negative

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► Customer

► **Supplemental**   **P/188**

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

► Action

► **Evaluation**   **P/99**

► Execution

► None of these

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

► **Physical**   **P/106**

► Logical

► Cultural

► None of these

_____ Research can tell you about what, how, many and why in rich, multivariate detail

► Quantitative

► **Qualitative**   **P/166**

► SME

► None of these

_____ is the least technical way of collecting data, but it can be difficult and tiring to write and observe at the same time.

► Audio recording.

► **Taking notes.**   **P/365**

► Observation

► Video

Panes, frames and other containers on screen is a kind of _____

► **Functional and data elements**   **P/206**

► View

► Input method

► None of the given

_____ is particularly useful early in design. It is excellent technique to use with the prototype, because it provides a wealth of diagnostic information.

► Co-discovery

► **Active intervention**   **P/276**

► Splendid research

► None of the given

Information sites with daily-updated information will naturally attract _____ users more than a monthly-updated site.

► **Repeat**   **P/229**

► Infrequent
► Nonuser
► None of the given

Evaluations done during design to check that product continues to meet users' needs are known as _____ evaluation.

► **Formative**   **P/258**
► 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**   **P/232**
► Less, less
► None of the given

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.   **P/31__ Lecture-4**
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   **P/63_- Lecture-8**

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

Which of the following requires less cognitive effort than others?
Select correct option:
Listening   **P/87_- Lecture -10**

Speaking
Hearing
None of the given

We are deficient in our development _____, not in our development _____ (respectively).
Select correct option:
Process, Tools   **P/23, Lecture-3**
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   **P/60, Lecture-7**
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)

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   P/30__ Lecture-4
Usability is concerned with making systems easy to use
Poorly designed computer system can be extremely annoying to users

The command line interface is used because
Select correct option:
It is easy to understand
It is demanded by DOS
It is offered by Unix systems
It is powerful and flexible   (Google)

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.   P/31__ Lecture-4
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 one of the primary colors?
Select correct option:
Red
Yellow
Blue
Green   P/63_- Lecture-8

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

HCI deals with
Select correct option:
Design of interactive system only
Evaluation of interactive system only
Implementation of interactive system only
All of the given choices

Human beings interact with outside world, using their
Select correct option:
input channels
output channels
sense of sight
All of the given   **P/54**

We are deficient in our development _____, not in our development _____
(respectively).
Select correct option:
Process, Tools   **P/23, Lecture-3**
Tools, Process
Tools, Methodology
None of these

Visually impaired persons can interact with outside world using their
Select correct option:
Sense of sight
Sense of hearing
Both sense of touch and sense of hearing
Sense of touch

_____is the process of selecting things to concentrate on, at a point in time,
from the range of possibilities available

 Reasoning
 Decision Making
Attention   **P/76, Lecture-9**

_____ **refers to the relationship between controls and their effects in the**
world.
 Visibility
 Affordance
Mapping   **P/107, Lecture- 12**

. _____ **plays a role to bridge up the gap between the interfaces of**
machines and human understanding.
 Human computer Interaction   **P/14**

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Software Engineering
 Human Computer Interfaces

_____ is a very general goal of Usability and refers to how good a system at doing what it is suppose to do.

Effectiveness   **P/31**
 Efficiency
 Utility

. _____is what goes on in out **heads** when we carry out our everyday activities.

Cognition   **P/47**
 Learnability
 Memeorability

_____ 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   **P/89**
 Problem Solving

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

Qualitative, Quantitative   **P/167**
 Quantitative, Qualitative
 None of them

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 of these

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

► Physical
► Logical
► **Cultural**   **(Google)**
► None of these

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

► Visibility
► **Affordance**   **P/105**
► Constraint
► None of these

_____ minimizes errors.

► Affordance
► **Visibility**
► Constraints
► None of these

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

► Pitch
► **Loudness**   **P/70, Lecture-8**
► Timber
► None of these

_____ plays a role to bridge up the gape between the interfaces of machines and human understanding.

► Human
► Computer
► **Human Computer Interaction**   **P/14**
► None of these

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

► **Primary**   **P/159**
► Secondary
► Supplement
► Negative

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

- ► Button
- ► Pointer
- ► **Palette**   **P/133**
- ► Title bar

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**   **P/159**
- ► Negative

During _____ phase, usage and workflow patterns discovered through _____.

- ► **Modeling, analysis**   **P/159**
- ► Analysis, modeling
- ► Testing, modeling
- ► Testing, Analysis

.

Waterfall model is basically a _____ model in which each step must be completed before the next step can be started

- ► Incremental
- ► **Linear**   **P/149**
- ► Iterative
- ► Analytical

Models are used in design to

- ► Generate the design
- ► Evaluate the design
- ► **Generate and evaluate the design**   **(Google)**
- ► None of the given

What is a semantic network?

► **A model of long-term memory**   **P/82**
► A record of our memory of events
► The part of the brain which allows us to remember things
► A mechanism for improving memory

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**

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

Efficiency   **P/31**
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   **P/51**

_____ **language tends to be grammatical while _____ language is often Ungrammatical.**

Written, spoken   **P/87**
Spoken, written
None of the given choices

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

Strategic
Tactical   **P/143**
None of the given choices

Strategic aspect guides us to think about user interface idioms – in other words, the way in which the user and the idiom interact. **Tactical aspects** give us hints and tips about using and creating user interface idioms, like dialog boxes and pushbuttons.

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The Usability Engineering lifecycle was proposed by _____.

Deborah Mayhew   **P/153**
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   **P/353**
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   **P/153**
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

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

_____ are dragged down from the title at the top of the screen.

Pull Down Menus
Main Menus
Icons
Buttons

When you engaged in a conversation you are more attentive what the other person is saying. It is called?
Focused Attention
Voluntary Attention   P/78
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   P/78

GOMS stands for

Goals operation methods and selection rules   P/50
Goals objects models and selection rules
Goals operations methods and state rules
Goals operations models and state rules

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

Hue
Intensity
Saturation
All of the given   P/59

Hue
Hue is determined by the spectral wavelength of the light. Blues have short wavelength, greens medium and reds long. Approximately 150 different hues can be discriminated by the average person.
Intensity
Intensity is the brightness of the color.

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Saturation
Saturation is the amount of whiteness in the colors.

_____ **represent the user's expectations of the tangible outcomes of using a specific product.**
Non-user goals
End goals   **P/192**
Experience goals
Life goals

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