

Unit # 1

1. Why are people less able to distinguish fine detail in blue?

- A. There are fewer cones in the center of the retina that are sensitive to blue light.
- B. There are more cones in the center of the retina that are sensitive to blue light.
- C. There are fewer cones in the center of the retina that are sensitive to red light.
- D. There are more cones in the center of the retina that are sensitive to blue light.

Answer» A. There are fewer cones in the center of the retina that are sensitive to blue light.

2. For a product to be successful, it must be:

- A. Useful by humans
- B. Usable by humans
- C. Used by humans
- D. All of the above

Answer» D. All of the above

3. _____ derives the logically necessary conclusion from the given premises.

- A. Deductive reasoning
- B. Inductive reasoning
- C. Abductive reasoning
- D. Reasoning

Answer» A. Deductive reasoning

4. _____ is generalizing from cases we have seen to infer information about cases we have not seen.

- A. Deductive reasoning
- B. Inductive reasoning
- C. Abductive reasoning
- D. Reasoning

Answer» B. Inductive reasoning

5. _____ is the method we use to derive explanations for the events we observe.

- A. Deductive reasoning
- B. Inductive reasoning
- C. Abductive reasoning
- D. Reasoning

Answer» C. Abductive reasoning

6. What is a semantic network?

- A. A model of short-term memory
- B. A model of long-term memory
- C. A model of physical memory
- D. A model of short and long-term memory

Answer» B. A model of long-term memory

7. What does ASCII stand for?

- A. American Standard Code for Information Interchange
- B. American Scientific Code for Information Interchange
- C. American Scientific Code for Interchanging Information
- D. American Standard Code for Interchanging Information

Answer» A. American Standard Code for Information Interchange

8. Statement 1 Speech technology is a small area of commercial interest. Statement 2 Courier is a fixed-pitch font.

- A. Only Statement 1 is True
- B. Only Statement 2 is True
- C. Both statements are True

D. Both statements are False

Answer» C. Both statements are True

9. Statement 1 Fitts' Law uses the formula movement time = $a + b \log_2(\text{distance/size} + 1)$ where a and b are empirically determined constants. Statement 2 Studies of keyboard operators have shown that, although the faster operators were up to twice as fast as the others, the slower ones made 10 times the errors.

A. Only Statement 1 is True

B. Only Statement 2 is True

C. Both statements are True

D. Both statements are False

Answer» C. Both statements are True

10. Statement 1 Recognition is easier than recall. Statement 2 The main strength of the Problem Space Framework as a model of human problem solving is that it allows ill-defined problems to be solved.

A. Only Statement 1 is True

B. Only Statement 2 is True

C. Both statements are True

D. Both statements are False

Answer» A. Only Statement 1 is True

11. Statement 1 The fovea of the human eye is just behind the cornea. Statement 2 The blind spot of the eye is just under the lens.

A. Only Statement 1 is True

B. Only Statement 2 is True

C. Both statements are True

D. Both statements are False

Answer» D. Both statements are False

12. The term human-computer interaction has only been in widespread use since the early

A. 2000s

B. 1950s

C. 1970s

D. 1980s

Answer» D. 1980s

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

A. Weight

B. Color

C. Sex

D. Height

Answer» C. Sex

14. Which of the following are important in the design focus of HCI?

A. Thinking of the user

B. Testing the HCI

C. Involving the users

D. All of the above

Answer» D. All of the above

15. Which of the following are examples of paradigms for interaction?

A. Personal computing

B. Hypertext

C. Multi-modality

D. All of the above

Answer» D. All of the above

16. You receive an email message, and a flag immediately appears in your electronic mailbox to indicate that you have a new message. This is an example of:

A. Persistence

B. Guidance

C. Existence

D. None of the above

Answer» A. Persistence

Unit # 2

1. If requirements are easily understandable and defined then which model is best suited?

A. Spiral model

B. Waterfall model

C. Prototyping model

D. None of the above

Answer» B. Waterfall model

2. Which of these describes stepwise refinement?

A. Nicklaus Wirth described the first software engineering method as stepwise refinement

B. Stepwise refinement follows its existence from 1971

C. It is a top down approach

D. All of the mentioned

Answer» D. All of the mentioned

3.

What is followed by the design task?

A. Choosing specific classes, operations

B. Checking model's completeness

C. Following design task heuristics

D. All of the mentioned

Answer» D. All of the mentioned

4.

Design phase is followed by ____ .

A. Coding

B. Testing

C. Maintenance

D. None of the above.

Answer» A. Coding

5.

Where is the prototyping model of software development well suited?

A. When requirements are well defined.

B. For projects with large development teams.

C. When a customer cannot define requirements clearly.

D. None of the above.

Answer» C. When a customer cannot define requirements clearly.

6.

Project risk factor is considered in which model?

- A. Spiral model.
- B. Waterfall model.
- C. Prototyping model
- D. None of the above.

Answer» A. Spiral model.

7.

What is the meaning of requirement elicitation in software engineering?

- A. Gathering of requirement.
- B. Understanding of requirement.
- C. Getting the requirements from client.
- D. All of the above.

Answer» D. All of the above.

8.

Selection of a model is based on

- A. Requirements
- B. Development team & Users
- C. Project type and associated risk
- D. All of the mentioned

Answer» D. All of the mentioned

9.

Which two models doesn't allow defining requirements early in the cycle?

- A. Waterfall & RAD
- B. Prototyping & Spiral
- C. Prototyping & RAD
- D. Waterfall & Spiral

Answer» B. Prototyping & Spiral

10.

Which of the following life cycle model can be chosen if the development team has less experience on similar projects?

- A. Spiral
- B. Waterfall
- C. RAD
- D. Iterative Enhancement Model

Answer» A. Spiral

11.

If you were a lead developer of a software company and you are asked to submit a project/product within a stipulated time-frame with no cost barriers, which model would you select?

- A. Waterfall
- B. Spiral
- C. RAD
- D. Incremental

Answer» C. RAD

12.

Which two of the following models will not be able to give the desired outcome if user's participation is not involved?

- A. Waterfall & Spiral
- B. RAD & Spiral
- C. RAD & Waterfall
- D. RAD & Prototyping

Answer» D. RAD & Prototyping

13.

A company is developing an advance version of their current software available in the market, what model approach would they prefer ?

- A. RAD
- B. Iterative Enhancement
- C. Both RAD & Iterative Enhancement
- D. Spiral

Answer» C. Both RAD & Iterative Enhancement

14.

Choose the correct option from given below:

- A. Prototyping Model facilitates reusability of components
- B. RAD Model Model facilitates reusability of components
- C. Both RAD & Prototyping Model facilitates reusability of components
- D. None

Answer» C. Both RAD & Prototyping Model facilitates reusability of components

15.

Which one of the following models is not suitable for accommodating any change?

- A. Build & Fix Model
- B. Prototyping Model
- C. RAD Model
- D. Waterfall Model

Answer» D. Waterfall Model

16.

Which of the following is golden rule for interface design?

- A. Place the user in control
- B. Reduce the user's memory load
- C. Make the interface consistent
- D. All of the mentioned

Answer» D. All of the mentioned

17.

Which of the following is not a design principle that allow the user to maintain control?

- A. Provide for flexible interaction
- B. Allow user interaction to be interrupt-able and undo-able
- C. Show technical internals from the casual user
- D. Design for direct interaction with objects that appear on the screen

Answer» C. Show technical internals from the casual user

18.

Which of the following is not a user interface design process?

- A. User, task, and environment analysis and modeling
- B. Interface design
- C. Knowledgeable, frequent users
- D. Interface validation

Answer» C. Knowledgeable, frequent users

19.

When users are involved in complex tasks, the demand on _____ can be significant.

- A. short-term memory
- B. shortcuts
- C. objects that appear on the screen
- D. all of the mentioned

Answer» A. short-term memory

20.

Which of the following option is not considered by the Interface design?

- A. the design of interfaces between software components
- B. the design of interfaces between the software and human producers and consumers of information
- C. the design of the interface between two computers
- D. all of the mentioned

Answer» C. the design of the interface between two computers

21.

A software might allow a user to interact via

- A. keyboard commands
- B. mouse movement
- C. voice recognition commands
- D. all of the mentioned

Answer» D. all of the mentioned

22.

You have to address a usability issue pertaining to a software interface. You will provide solutions after understanding:

- A. How the developer uses the software?
- B. How the users use the software?
- C. How you use the software?
- D. How your friends use the software?

Answer» B. How the users use the software?

23.

When should a developer apply usability principles?

- A. After selling the product
- B. None of the above
- C. While developing the product.
- D. Early in the SDLC

Answer» D. Early in the SDLC

24.

Which of the following interface design principles does not allow the user to remain in control of the interaction with a computer ?

- A. allow interaction to interruptible
- B. allow interaction to be undoable
- C. hide technical internals from casual users
- D. only provide one rigidly defined method for accomplishing a task

Answer» D. only provide one rigidly defined method for accomplishing a task

Unit # 3

1.

Impressing moving icons in a system design can be

- A. appealing
- B. attractive
- C. distracting
- D. attentive

Answer» C. distracting

2.

Subsystem of human machine processor that handles actions of system is called

- A. Cognitive System
- B. Motor System
- C. Perceptual System
- D. Autonomic System

Answer» B. Motor System

3.

Simple model of human interaction was proposed by

- A. Stuart K. Card
- B. Thomas P. Moran
- C. Allen Newell
- D. Card, Moran And Newell

Answer» D. Card, Moran And Newell

4.

A negative contrast on display screen result in to increasing the

- A. Reusability
- B. Quality
- C. Legibility
- D. Interactivity

Answer» C. Legibility

5.

Relationship among vision and distance from point of focus is

- A. Conversely
- B. Indirectly
- C. Directly
- D. Inversely

Answer» D. Inversely

6.

Human perception in reading process is part of

- A. Saccades
- B. Fixations
- C. Regressions
- D. Suppression

Answer» B. Fixations

7.

Delicate hair cells in cochlea is called

- A. Cilia
- B. Cochlea
- C. Ossicles
- D. Tympanic Membrane

Answer» A. Cilia

8.

By using capitalized words, reading speed and accuracy

- A. Increased
- B. Improved
- C. Declined
- D. Levelled

Answer» C. Declined

9.

Sensitivity of cones to blue light results into

- A. Lower Red Acuity
- B. Lower Red Acuity
- C. Higher Blue Acuity
- D. Lower Blue Acuity

Answer» D. Lower Blue Acuity

10.

Relationship among flicker and luminous is

- A. Directly Proportion
- B. Inversely Proportion
- C. Conversely Proportion
- D. Indirectly Proportional

Answer» A. Directly Proportion

11.

The hawthorne studies are of utmost significance as they form an honest and concerted attempt to understand:

- A. The Human Factor
- B. Employee Attitudes
- C. The Workers Social Situations
- D. All of the above.

Answer» D. All of the above.

12.

Work attitudes can be reflected in an organization through

- A. Job Satisfaction
- B. Organizational Commitment
- C. Both 'A' And 'B'
- D. None of the above

Answer» C. Both 'A' And 'B'

13.

All the unique traits and patterns of adjustment of the individual is known as

- A. Personality
- B. Responsibility
- C. Creativity
- D. Authority

Answer» A. Personality

14.

Organization's using _____ model are very successful in the era of Globalisation.

- A. Delegative
- B. Authorative
- C. Supportive
- D. Responsive

Answer» C. Supportive

15.

Fundamental concepts of organizational behaviour revolve around:

- A. The Nature Of Human Beings
- B. The Working Of Human Beings
- C. Both 'A' And 'B'
- D. None Of The Above

Answer» A. The Nature Of Human Beings

16.

Select the developer-specific requirement ?

- A. Portability
- B. Maintainability
- C. Availability
- D. Both portability and maintainability

Answer» C. Availability

17.

Which is one of the most important stakeholder from the following?

- A. Entry Level Personnel
- B. Middle Level Stakeholder
- C. Managers
- D. Users Of The Software

Answer» D. Users Of The Software

18.

The internet has allowed employees to collaborate on work from any location, across different time zones and national borders. What is regarded as the defining feature of a dispersed collaboration apart from the use of communication technology?

- A. Each colleague does not work face-to-face
- B. Each work group has its own task to complete
- C. Dispersed collaborations lack the social cues that profile traditional working relationships
- D. Colleagues are spread across different locations

Answer» D. Colleagues are spread across different locations

19.

As would be common with many business strategies, which is regarded as the crucial stage in designing dispersed collaborations?

- A. Have a clear identification of the mission and how it will be achieved
- B. Conduct a skills analysis of potential members to validate their membership
- C. Establish the size of the collaborative team required and then consider which tasks can be successfully completed
- D. None of the above

Answer» A. Have a clear identification of the mission and how it will be achieved

20.

what is multimedia file?

- A. Is same as any other regular file
- B. Must be accessed at specific rate
- C. Store on remote server can not be delivered to its client
- D. None of the above

Answer» B. Must be accessed at specific rate

21.

In which type of streaming multimedia file is delivered to the client but not shared?

- A. Real time sharing
- B. Progressive download
- C. Compression
- D. None of the above

Answer» A. Real time sharing

22.

A _____ displays a list of commands and usually appears in the toolbar at the top of the screen.

- A. View
- B. Menu
- C. Kit
- D. List

Answer» B. Menu

23.

Changing the appearance of your slide _____ can alter the slide's color, shade, pattern, or texture.

- A. Background
- B. Foreground

- C. Watermark
 - D. Design
- Answer» D. Design

24.

A _____ can be added to your presentation and then used to go to a variety of locations ---- for example, a web address, an e-mail address, a custom show or document, just to name a few.

- A. Menu link
 - B. Hyperlink
 - C. Toollink
 - D. Slide link
- Answer» B. Hyperlink

Unit # 4

1.

Genetically different population with the same physical features is known as _____

- A. Ecosystem
- B. Ecads
- C. Community
- D. Ecotype

Answer» D. Ecotype

2.

Name the group of species which exploit the abiotic and biotic resources in a similar way?

- A. Guild
- B. Ecads
- C. Biomes
- D. Community

Answer» A. Guild

3.

Who proposed the term ecosystem?

- A. Grinnel
- B. Turesson
- C. A.G. Tansley
- D. Lindeman

Answer» C. A.G. Tansley

4.

Android applications signed at the time _____.

- A. Before installed
- B. After installed
- C. Both A and B
- D. None of these

Answer» A. Before installed

5.

In android application Which file holds to use the internet_____

- A. Create file
- B. Manifest file

- C. system file
 - D. None of these
- Answer» B. Manifest file

6.
Specifies the layout of android screen use_____file.
- A. R
 - B. Manifest
 - C. Layout
 - D. None of these
- Answer» C. Layout

7.
_____ contains the R.java file.
- A. Src
 - B. Gen
 - C. Both A and B
 - D. None of these
- Answer» B. Gen

8.
In memory, Activity doesn't exist That is_____state.
- A. Initial
 - B. Running
 - C. Starting
 - D. All of these
- Answer» C. Starting

9.
Mobile cloud computing at its simplest refers to an _____
- A. Intervention
 - B. Internet
 - C. Infrastructure
 - D. Intervention & Internet
- Answer» C. Infrastructure

10.
To use the Android menu system what method you should override?
- A. on Create Menu()
 - B. on Create Options Menu()
 - C. Both A & B
 - D. on Menu Created()
- Answer» B. on Create Options Menu()

11.
Which is not an Android component of the following?
- A. Layout
 - B. Service
 - C. Activity

D. Both A & C

Answer» A. Layout

(1)

12.

_____ is the first callback method invoked by the system during an Activity life-cycle,?

A. on Stop()

B. Both A & B

C. on Create()

D. on Restore()

Answer» C. on Create()

13.

Which is not a valid Android resource file name of the following?

A. my_layout.xml

B. mylayout.xml

C. myLayout.xml

D. Both B & C

Answer» C. myLayout.xml

14.

_____ is the parent class of all Activity widgets?

A. View

B. ViewGroup

C. Layout

D. Both A & C

Answer» A. View

15.

_____ is not included in the Android application framework?

A. Notification Manager

B. Window Manager

C. Both A & B

D. Dialer Manager

Answer» D. Dialer Manager

16.

The Android project folder "res/" contain_____?

A. Resource files

B. Java Activity classes

C. Both A & B

D. Java source code

Answer» A. Resource files

17.

Which piece of code used in Android is not open source?

A. Power management

B. Audio driver

C. Wi-Fi driver

D. Keypad driver

Answer» C. Wi-Fi driver

18.

In a cellular system, the same frequency is used for other users using the technique — ———

- A. Frequency planning
- B. Frequency hopping
- C. Frequency reuse
- D. None of the above

Answer» C. Frequency reuse

19.

Which of the following mobile platform support hundreds of thousands of third-party applications?

- A. iPhone
- B. Symbian
- C. Windows Mobile Phone
- D. None of the mentioned

Answer» A. iPhone

20.

In which of the following computing, mobile device serves as the presentation platform or the display?

- A. Soft
- B. Mobile
- C. JVS
- D. All of the mentioned

Answer» B. Mobile

21.

Which of the following was built to serve as a mobile platform for Internet computing?

- A. Windows Phone
- B. Android
- C. Symbian
- D. All of the mentioned

Answer» B. Android

22.

IMT-2000 is a digital mobile system that functions as

- A. Pager
- B. Cordless
- C. Low earth orbit satellites
- D. All of the above

Answer» D. All of the above

23.

What is the parent class of all Activity widgets?

- A. ViewGroup
- B. Layout
- C. View
- D. Widget

Answer» C. View

24.

Which of the following programming medium is used by MobileMe to create the appearance of a desktop application inside a browser?

- A. HTML
- B. DHTML
- C. JQuery
- D. All of the mentioned

Answer» B. DHTML

25.

Which of the following is a photo and video sharing service by MobileMe?

- A. iDisk
- B. Find My iPhone
- C. iWeb Publish
- D. MobileMe Gallery

Answer» D. MobileMe Gallery

Unit # 5

1.

What are the designing rich web interface.

- A. Make it Direct
- B. Stay on the Page
- C. Use Transitions
- D. All of the above

Answer» D. All of the above

2.

A drag lens provides,

- A. a view into a different part of data
- B. a view into a different part of the list
- C. a view into a different part of record
- D. a view into a different part of objects

Answer» B. a view into a different part of the list

3.

Dragging the insertion bar while editing text on the iPhone is an example of,

- A. Drop lens
- B. Drag lens
- C. Drag object
- D. Drop object

Answer» B. Drag lens

4.

In Drag lens, the lens will be made visible,

- A. Before Dragging
- B. During Dragging
- C. After Dragging
- D. All of the above

Answer» B. During Dragging

5.

Checkbox or control-based selection is,

- A. Collected Selection
- B. Object Selection
- C. Toggle Selection
- D. Hybrid Selection

Answer» B. Object Selection

6.

Selection that spans multiple pages is,

- A. Collected Selection
- B. Object Selection
- C. Toggle Selection
- D. Hybrid Selection

Answer» A. Collected Selection

7.

Combination of Toggle Selection and Object Selection is,

- A. Collected Selection
- B. Multiple Selection
- C. Hybrid Selection
- D. Non of the Above

Answer» C. Hybrid Selection

8.

..... is a pattern for keeping track of selection as it spans multiple pages

- A. Collected Selection
- B. Object Selection
- C. Toggle Selection
- D. Hybrid Selection

Answer» A. Collected Selection

9.

..... is when selection is made directly on objects within the interface

- A. Instant Selection
- B. Direct Selection
- C. Object Selection
- D. Interface Selection

Answer» C. Object Selection

10.

The time to acquire a target is a function of the distance to and size of the target,

- A. Richard Feynman Law
- B. Bruce Tognazzini Law
- C. Fitts's Law
- D. d.Rolf O. Peterson Law

Answer» B. Bruce Tognazzini Law

11.

A master switch to toggle on/off Contextual Tools for the page,

- A. Multi-Level Tools
- B. Hover-Reveal Tools
- C. Always-Visible Tools
- D. Toggle-Reveal Tools

Answer» D. Toggle-Reveal Tools

12.

.....is Progressively reveal actions based on user interaction,

- A. Multi-Level Tools
- B. Hover-Reveal Tools
- C. Always-Visible Tools
- D. Toggle-Reveal Tools

Answer» A. Multi-Level Tools

13.

Multi-Level Tools —mutton is,

- A. menu + on = mutton
- B. b.mute + on = mutton
- C. menu + button = mutton
- D. d.mute + button = mutton

Answer» C. menu + button = mutton

14.

Virtual Scrolling turns the scrollbar into,

- A. Virtual Control
- B. Pagination control
- C. Scrollbar Control
- D. All of the Above

Answer» B. Pagination control

15.

Which one is an Overlay,

- A. Dialog Overlay
- B. Detail Overlay
- C. Input Overlay
- D. All of the Above

Answer» D. All of the Above

16.

The Effect is useful when the Dialog Overlay contains important information that the user should not ignore.

- A. Overlay effect
- B. Lightbox effect
- C. Darkbox effect
- D. Whitebox effect

Answer» B. Lightbox effect

17.

What are the types of inlays?

- A. Dialog Inlay , List Inlay & Detail Inlay
- B. List Inlay & Detail Inlay
- C. Dialog Inlay & Detail Inlay
- D. Non of the Above

Answer» A. Dialog Inlay , List Inlay & Detail Inlay

18.

.....turns the scrollbar into a pagination control.

- A. Message scrolling
- B. Drop Down Scrolling
- C. Virtual scrolling
- D. Pagination Scrolling

Answer» C. Virtual scrolling

19.

clicking on a button to load more items into the page on demand is,

- A. Virtual paging
- B. Outline paging
- C. Demand paging
- D. Inline paging

Answer» D. Inline paging

20.

A great place for Virtual Panning is,

- A. Map
- B. List
- C. Page
- D. Virtual Memory

Answer» A. Map

21.

.....is a way to create a virtual canvas.

- A. Zoomable User Interface
- B. Virtual User Interface
- C. Realtime User Interface
- D. All of the Above

Answer» A. Zoomable User Interface

22.

Interactive Single-Page Process is a type of,

- A. Data Flow Patterns
- B. Resource Flow Patterns
- C. Process Flow patterns
- D. Non of the Above

Answer» C. Process Flow patterns

23.

..... is a powerful pattern that benefits from a reactive interface.

- A. Complete Pattern
 - B. Auto Complete Pattern
 - C. Reactive Pattern
 - D. Auto Reactive Pattern
- Answer» B. Auto Complete Pattern

24.

Pattern that support virtual pages,

- A. Virtual Scrolling
- B. Inline Paging
- C. Scrolled Paging
- D. All of the Above

Answer» D. All of the Above