



In the Name of Allāh, the Most Gracious, the Most Merciful

Final-Term Papers Solved MCQS with Reference

1. Combining the “fuzzy rules” is done by the technique(s).

- MAX-MAX
- MAX-MIN
- MIN-MAX PG # 242
- Both MIN-MAX and MAX-MIN

The output of a fuzzy system is computed by using: The MIN-MAX technique for combining fuzzy rules

2. A set of software that handle all database related operations of an organization is called _____.

- Database management system
- Database design system
- Database access system
- Content management system

3. Every phase of the project development require reporting on completion. When a developer completes his/her assigned module, he has to report to the_____.

- Team Lead
- Project Manager
- CEO
- IT Manager

4. LCD display screens provide_____ display.

- 1 dimensional
- 2 dimensional** **PG#305**
- 3 dimensional
- 4 dimensional

Like CRT monitors, LCDs are 2-D displays

5. A Home page is a part of a _____.

- Terminal
- Web site** **PG#18**
- Browser
- Protocol

What is a Web site?

A Web site is a related collection of World Wide Web (WWW) files that includes a Beginning file called a home page.

6. Which of the following is a true statement?

- Flat-file storage is better than tabular storage.
- Tabular storage is better than flat-file storage.** **PG#257**
- Flat-file storage is better than relational storage.
- Tabular storage is better than relational storage.

Tabular storage is better than flat-file storage

7. What will be the output of the statements given below?

```
country="Hello Pakistan";  
documentwrite (country.charAt (6));
```

- Blank Space**
- p
- a
- k

8. Which of the following is not true for JavaScript?

- Scripting Language
- Case Sensitive Language
- Object Based Language
- Markup Language** **PG#119 and 120**

JavaScript is not a markup language ,HTML is a markup language
Also JavaScript is scripting, case sensitive and object based language

9. Which of the following symbol is used in JavaScript to add multiple line comments in a program?

- /
- //
- /*** **PG#149**
- /**

Multi-line comments

```
/* Author: Bhola  
Creation Date: 24 March 2003 */
```

10. In an IP address, there are four set of numbers which are separated by periods.

- 12-bit
- 16-bit
- 32-bit
- 8-bit** **PG#210**

Four 8-bit numbers separated by periods. Each 8-bit number can be 0 to 255

11. Today's fastest computer can do of calculations in a second.

- Thousands
- Billions
- Trillions**
- Millions

12. If the calling function is a part of a JavaScript statement then the definition of this function will must have the_____ Statement.

- Break
- Terminate
- return**
- Switch

13. The organizations using the network organizational model have _____structure.

- Simple**
- Complex
- Flexible
- Accurate

14. In Relational Database table columns are called_____.

- Records
- Values
- Fields** [Click here for detail](#)
- Unions

A relational database organizes data in *tables* (or *relations*). A table is made up of rows and columns. A row is also called a *record* (or *tuple*). A column is also called a *field* (or *attribute*).

15. To store rounded number of 8.6 in a variable called "r_number", We write _____.

- r_number=Maths.round(8. 6);
- r_numbers=Maths.rounds(8. 6);
- r_number=Math.rounds(8. 6);
- r_number=Math.round(8. 6);** [Click here for detail](#)

To store the rounded number of 8.6 in a variable called "r_number":

```
r_number=Math.round(8.6)
```

16. _____ refers to DoS attack.

- Overburdening of the system** [Click here for detail](#)
- Theft of data
- Corruption of data
- Modification of data

Denial-of-Service attacks (DoS attacks) are cyber-attacks on organizations and online services. A DoS attack consists of overburdening or overloading the normal capacity of systems, online services and/or the infrastructure with data traffic. This disrupts or limits the availability of the online services and related infrastructure for legitimate data traffic

17. JavaScript's response against the user-initiated events is called _____.

- Object detection
- Boolean logic
- Opacity setting
- Event handling** [click here for detail](#)

JavaScript's response to one of these user-initiated events is called event handling.

18. Which of the following is not an Operating System?

- DOS
- Windows XP
- Linux
- MS Access** [click here for detail](#)

All are operating system but Microsoft Access, also known as Microsoft Office Access, is a database management system.

19. Complex Software development process requires the developers to follow some specific set of rules and guidelines which can be termed as

- Object Oriented Software
- **Design Methodology** **PG#131**
- Programming Language
- Object Based Design

Design Methodology?

The set of (often flexible) rules and guidelines a team of developers follow to construct reasonably complex SW systems

20. Graphics creation in JavaScript is_____.

- Easy
- Difficult
- Simple
- **Not Possible** **PG#246**

Problems & Solutions:

JavaScript doesn't support drawing of graphics

21. The floppy disk was introduced in the market by_____.

- Hewlett Packard
- IBM
- Intel
- **Yoshiro Nakamats** **PG#14**

Floppy Disk – 1950

Invented at the Imperial University in Tokyo by Yoshiro Nakamats

22. By studying the history of spreadsheet software, we come to know that _____ was the first spreadsheet Software.

- MS Excel
- penOffice.org Calc
- LibreOffice Calc
- VisiCalc** **PG#83**

A spreadsheet - VisiCalc - was the first popular application on PC's.

23. Which of the following cannot be considered as a property of image object:

- hspace
- height
- onLoad** **PG#286**
- lowsrc

Image

Properties: name, border, complete, height, width, hspace, vspace, lowsrc, src

24. A website resides over _____

- PDA
- WWW**
- Browser
- CPU

25. The _____ has considerably changed the way of marketing forever, redirecting it from a mass Focus to a single person focus.

- Television
- Web** **PG#281**
- Mobile
- Radio

The Web has changed marketing forever, redirecting it from a mass focus to a single-person focus

26. A software on a user's computer, acting as an interface between the user and internet is called as a_____.

- Browser**
- PowerBuilder
- Front Page
- Navigator

Browser

A browser is an application program that provides a way to look at and interact with all the information on the World Wide Web.

27. Software Development Process involves working of different teams but _____ team has its Major contribution in a project after the designing phase.

- QA
- Architect
- Development**
- HR

28. Client is the basic entity in software development. It is the responsibility _____ of to manage the client's matters.

- Project Manager**
- Team Lead
- Developer
- Quality Assurance Engineer

29. Notepad is an example of_____

- System Software
- Application Software**
- Device Driver
- Kernal

30. Which of the following is not a peripheral device for a computer?

- USB
- Printer
- Scanner
- Power Supply Unit** [Click here for detail](#)

31. There are some primary colors which are the base of other colors. Select which of the following is not a primary Color.

- Red
- Blue
- Yellow** PG#235
- Green

In a popular scheme – the RGB scheme – each part of the triplet represents the intensity of one of out of three primary colors: red, green, blue

32. Concatenate Operator in JavaScript is used to _____ elements.

- Subtract
- Multiply
- Join**
- Add

33. Computer display is composed of a regular grid of

- bits
- bytes
- sectors
- pixels** PG#235

Most all computer displays consist of a grid of tiny pixels arranged in a regular grid of rows and columns

34. _____ is a container that holds a single value.

- Array
- Variable** **PG#199**
- Function
- Set

A variable is a container that holds a value

35. Today's computers are based on the technology of _____.

- Punch cards
- Vacuum tubes
- Transistors**
- Resistors

36. The memory size of the Altair 8800 was

- 128 bytes
- 256 bytes**
- 128 Kilo bytes
- 256 Kilo bytes

Altair 8800. The price was \$375, contained 256 bytes of memory (not 256k),but had no keyboard, no display, and no auxiliary storage device.

37. Unlike virus, _____ is called stand-alone program.

- Trojan horse** **PG#278**
- logic bomb
- Worm
- time bomb

Trojan Horses

- Unlike viruses, they are stand-alone programs

38. _____ wait for some time and then launch a function

- Timeout()
- setTimeout()** **PG#290**
- setTime()
- setTimeIn()

setTimeout() executes *circulate()* once after a delay of *gap* milliseconds

39. Planning and tracking of the project is the responsibility of the_____.

- Project Manager** **PG#296**
- Architect
- Developer
- Chief Executive Officer

Project Manager

• Responsibilities:

- Planning and tracking of the project
- Arranging of the appropriate resources
- Client relationship management

40. _____ team is responsible for a project after the specification's stage till the very end.

- Executive
- Architect
- Development** **PG#296**
- HR

Development Team

- The number of development teams has varied between 3-7 at this organization
- Team-size has varied between 3-35
- Large teams are organized as a collection of sub-teams
- Lowest-level team: No more than 7 members
- Responsible for a project from after the specifications stage till the very end

41. Client relationship management is the responsibility of _____.

- Team Lead
- Project Manager** **PG#296**
- Developer
- Quality Assurance Expert

Project Manager

• Responsibilities:

- Planning and tracking of the project
- Arranging of the appropriate resources
- Client relationship management

42. Name, Border, Source are the _____ of the image object.

- Event Handler
- Properties** **PG#286**
- Methods
- none of the given options

Properties: name, border, complete, height, width, hspace, vspace, lowsrc, src

43. TCP stand for_____.

- Transfer Center protocol
- Transmission Control Protocol** **PG#317**
- Transmission Center Protocol
- Telephone Center Protocol

Language of the Internet: TCP/IP

Transmission Control Protocol/Internet Protocol

FINAL TERM EXAMINATION
Spring 2013

44. Which of the following is not a type of page margin in MS Word?

- Left
- Right
- Center** [Click here for detail](#)
- Top

45. Command which saves the selected text before deleting is_____.

- Copy
- Delete
- Cut**
- Undo

Cut out the selected text. (Copy selected text to the clipboard before deleting it.)

46. Select the best option to create and edit the HTML pages.

- Ms Paint, adobe Photoshop
- Notepad, Ms Front page**
- Netscape, Mozilla
- Ms excel, Ms outlook

47. how many bits are there in one byte?

- 8 bits** **PG#42**
- 10 bits
- 12 bits
- 16 bits

Byte = 8 bits

48. is the essential property of every JavaScript object.

- Color
- Width
- Name**
- Size

49. Which one of the following is the correct code syntax in JavaScript?

- SetTimeout()
- setTimeout()
- setTimeout()** **PG#290**
- SettimeOut()

setTimeout() executes *circulate()* once after a delay of *gap* milliseconds

50. is a programming language which was specifically designed to develop business applications.

- BASIC
- FORTRAN
- COBAL** [Click here for detail](#)
- Perl

COBOL (/ˈkoʊbəl/) is a compiled computer programming language designed for business use

51. URL is a/an _____

- Device
- Component
- Address**
- Tool

A Uniform Resource Locator (URL), commonly informally termed a web address (a term which is not defined identically) is a reference to a web resource that specifies its location on a computer network and a mechanism for retrieving it.

52. Converts the source code written in high level language into machine language.

- Utilities
- Drivers
- Language Translator** **PG#59**
- System software

Language Translators

Human programmers write programs in a language that is easy to understand for them. They use language translators to convert that program into machine language. It converts the human understandable code in uPs understandable code, i.e. a language that is easy to understand for the uPs

53. _____ tells the capacity of any array in terms of storing values.

- Index
- Length** **PG#178**
- Type
- Name

The key property of the 'Array' object is 'length', i.e the number of elements in an array

54. If you want to assign an IP address to your computer, you can use any number from _____ in each part of IP address.

- 1 to 255
- 0 to 255** **PG#210**
- 0 to 256
- 1 to 256

IP Address

A unique identifier for a computer on a TCP/IP network
Format: four 8-bit numbers separated by periods. Each 8-bit number can be 0 to 255

55. select the best characteristic of telnet.

- It is used to send email
- It is used to login remotely** **PG#211**
- It is receive to email
- It is used to read online news

Telnet Protocol

Using Telnet, a user can remotely log on to a computer (connected to the user's through a TCP/IP network, e.g. Internet) & have control over it like a local user, including control over running various programs

56. _____ provides the facility of searching and downloading the new e-mail messages to an e-mail client.

- HTTP
- POP3** **PG#213**
- TCP
- FTP

eMail client interacts with the POP3 server for discovering and downloading new eMail messages The message is prepared using the eMail client

57. which of the following is the instant Message service available on the internet?

- HTTP
- IE
- AIM** **PG#235**
- FTP

Instant Messaging:

The IM services available on the Internet (e.g. ICQ, AIM, MSN Messenger, Yahoo! Messenger) allow us to maintain a list of people (contacts) that we interact with regularly We can send an instant messages to any of the contacts in our list as long as that contact is online

58. Which event handler executes the specified JavaScript code when a window / form element loses focus?

- onLoad
- onUnload
- onBlur** **PG#245**
- onFocus

onBlur executes the specified JavaScript code when a window loses focus or a form element loses focus

59. _____ can be used in JavaScript to open multiple popup Windows when a particular web page is opened.

- onAbort
- onchange
- onLoad** **PG#232**
- onUnload

onLoad can be used to open multiple Windows when a particular document is opened

60. For good presentation and better visibility of text, we should use _____ background color in each slide.

- Light
- Dark** PG#222
- Faded
- Transparent

Slide Background:

Keep the backgrounds simple. You want a background that shows off your info, not one that makes it illegible. Avoid bright background colors. Light colored text against a dark background works best.

61. If one operand of “+operator “is a string and the other one is a non string, then JavaScript.

- Produce an error message
- Converts the non string to string
- Concatenates the string and non string
- Performs both conversion and concatenation** PG#272

When one operand is a string, and the other is not, the non-string will first be converted to a string and then the two strings will be concatenated.

62. JavaScript fixed() function has equivalent HTML tag-set _____.

- <P>.....</P>
- <U>.....</U>
- <PRE>.....</PRE>** PG#270
- <H>.....</H/>

fixed() <PRE> ... </PRE>

63. There are some primary colors which are the base of other colors. Select which of the following is not a primary color.

- Red
- Blue
- Yellow** PG #235
- Green

In a popular scheme – the RGB scheme – each part of the triplet represents the intensity of one of out of three primary colors: red, green, blue.

64. _____ are those programs in which the flow of the program is determined by the user's actions (mouse click, key presses) or message from other programs.

- Event called programs
- Event processed programs
- **Event driven programs**
- Event declared programs

Event-Driven Programs

Examples: GUIs, microwave, camera The system sends events to the program and the program responds to these as they arrive. Events can include things a user does - like clicking the mouse - or things that the system itself does - like updating the clock.

65. In the early days _____ were used to store data.

- Access files
- Database files
- **Flat files** **PG#260**
- Excel files

In the very, very old days ...

• Even large amounts of data was stored in text files, known as *flat-file databases*

66. In the context of intelligent systems, softbots is also termed as _____.

- Mobile phone
- **Autonomous web agent** **PG#244**
- Any wireless device
- SIM card

Autonomous Web Agents: Also known as mobile agents, softbots

67. Working of any system depends upon its various components. Which component, a Rule Based system (intelligent system) would not have?

- Rule interpreter
- **Rule compiler** **PG#242**
- Rulebase
- Working memory

Rulebased Systems (1):

Based on the principles of the logical reasoning ability of humans

Components of an RBS:

Rulebase

Working memory

Rule interpreter

68. Using a software without the author's permission is called

- Ip spoofing
- **Software piracy** PG#276
- Mail bombing
- DoS Attack

Software Piracy

• Using a piece of SW without the author's permission or employing it for uses not allowed by the author is SW piracy

69. In 2000, yahoo servers were attacked by Dos attack, it took..._____ To recover from this attack

- 1 hour
- 2 hour
- **3 hour** [Click here for detail](#)
- 4 hour

In the year 2000, February 7 when yahoo servers were crashed. The famous internet site was unavailable for several hours this affected the business of yahoo considerably. Buy.com, e-bay and CNN were the other giant companies that were attacked, the very next day after yahoo. The site was completely inaccessible which incurred huge loss to the company. The downtime was calculated as three hours for yahoo and the other websites were down for several more hours.

70. We know a virus is a combination of two parts, _____.

- Header and payload
- Payload and data
- Header and transmission mechanism
- **Payload and transmission mechanism** PG#277

Anatomy of a Virus

• A virus consists of 2 parts:
• Transmission mechanism
• Payload

71. For creating 2-d animations,_____will be the more appropriate choice.

- Flash
- HTML image class
- Web Browser
- **HTML 2D Class**

72. Which attribute of the image tag in HTML is used to mention the source of an image?

- Source
- Path
- Src**
- Loc

PG#285

 tag

Format:

73. The task performed to determine the existence of defects in a program is called _____.

- Bug fixing
- Debugging
- Testing**
- Defect killing

PG#311

Testing & Debugging

- *Testing*: The tasks performed to determine the existence of defects
- *Debugging*: The tasks performed to detect the exact location of defects

74. There are _____ types of errors in a program.

- 1
- 2
- 3**
- 4

PG#312

Types of Errors

- Syntax errors
- Semantic errors
- Run-time errors

75. The information technology has three core areas _____.

- Telecom engineering, electrical engineering, computer science
- Telecom engineering, computer engineering, computer science**
- Telecom engineering, computer engineering, database engineering,
- Telecom engineering, computer engineering, hardware engineering,

PG#295

Information technology

Telecom Engineering , Computer Engineering , Computer Science

76. _____ routes the packets through the internet to go to their destination.

- Telnet
- TCP
- IP**
- NIC

PG # 317

IP routes these packets through the Internet to get them to their destination

77. Which of the following hardware components is the most important for the operations of database management system?

- High resolution video display
- Printer
- High speed, large capacity storage media**
- Plotter

[Click here for detail](#)

78. Which one of the following will not be considered as the use of word processor?

- Composing magazines
- Writing memos
- Writing research reports
- Making ledgers**

79. Complex software development process requires the developers to follow some specific guidelines which can be termed as_____.

- Object Oriented software
- Design Methodology**
- Programming language
- Object Based Design

PG#131

80. Highest bandwidth of channel can be up to:

- Tb/s**
- Kb/s
- Mb/s
- Gb/s

PG#190

Bandwidth

Capacity of a communication channel for carrying data

Measured in bits/s (bps), kb/s, Mb/s, Gb/s, Tb/s

Optical fiber channels have the highest (1 Tb/s)

81. By the history of spreadsheet software, we come to know that_____ was the first spreadsheet software.

- Ms Excel
- OpenOffice.org Calc
- libreOffice Calc
- **VisiCalc** **PG#83**

A spreadsheet - VisiCalc - was the first popular application on PC's.

82. Unlike a program with a syntax error, a program with a _____error is valid program in the language, though it does not behave as intended.

- Run time
- Syntax
- **Semantic** [click here](#) **PG#312** ([click here to see semantic is also called logic error](#))
- Special

Unlike a program with a syntax error, a program with a logic error is a valid program in the language, though it does not behave as intended. The only clue to the existence of logic errors is the production of wrong solutions.

83. The program which was first computed on world's first computer was:

- Simple sequence
- Multiple sequence
- **Bernoulli's sequence** **PG#9**
- Increasing sequence

A program for computing the Bernoulli's sequence on the Analytical Engine - world's 1st computer program

84. RAM stand for:

- Real alter memory
- Random associated memory
- **Random access memory** **PG#24**
- Real associated memory

RAM : RAM (random access memory)

85. The world first communication network was:

- WAN
- **ARPANET** [Click here for detail](#)
- Intranet
- LAN

Advanced Research Projects Agency Network (ARPANET) was one of the world's first operational switching networks, the first network to implement TCP/IP, and the progenitor of what was to become the global Internet.

86. HTML stands for . . .

- Hyper Transfer Markup Language
- Hyper Text Makeup Language
- Hyper Text Markup Language**
- Hyper Transfer Making Language

PG#28

HTML

Hyper Text Markup Language

87. Information available on the web is:

- Mostly free of cost** [Click here for detail](#)
- Costly
- Totally
- Not accessible at all

information sources on the web, available free of charge

88. SCSI stands for:

- Small computer system interface**
- System common small integration
- Silicon computer system interface
- None of the given choice

PG#28

SCSI : Small Computer System Interface.

89. In HTML, which tag is used for the highest level heading?

- <h5> </h5>
- <h2> </h2>
- <h1> </h1>** [Click here for detail](#)
- <title> </title>

The h1 element is used to indicate the most important (or highest-level) heading on the page.

90. Integrated circuit can be classified into

- Analog
- Digital
- Both** PG#31
- None of the above

Integrated Circuits

Integrated circuits can be classified into analog, digital and mixed signal (both analog and digital on the same chip).

91. _____ has slots to contain the different PCI cards

- Memory Bus
- System Bus
- Mother Board** PG#27
- CPU

The slot on the motherboard

92. ENIAC was the first _____ computer.

- Large-Scale
- General-Purpose
- Electronic
- All of the given choice**

93. Attribute/Attributes of the good application software is are:

- Easy to install
- User interface
- Consistent
- All of the above** **PG#85**

Attributes of Good Application Software

Easy to install, un-install

User Interface

Consistent

Intuitive

Configurable

Adapts to the users need

Has a tutorial and a complete help manual

Does not have any critical bugs

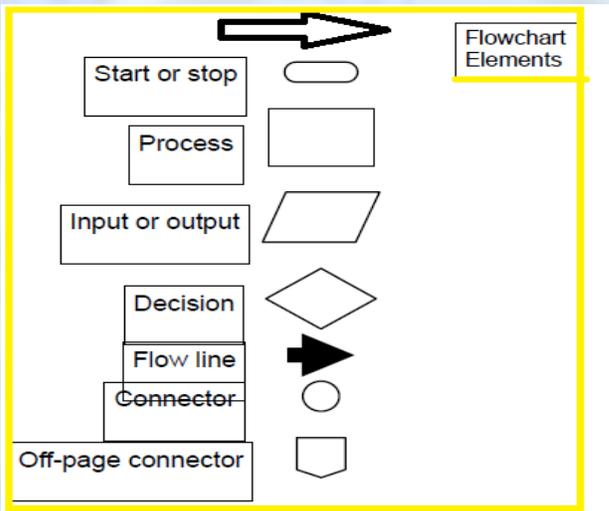
94. _____ interact directly with the user.

- Device drivers
- System software
- Application software** **PG#85**
- Kernel

Application software are programs that interact directly with the user for the performance of a certain type of work

95. Which of the following not a flow chart element?

- Off-frame connector** PG#105
- Input or output
- Process
- Connector



96. Detail plan of SW life cycle specifies two things that are the _____

- Requires resources and expected cost
- Expected cost and budget
- Required resources and expected deliverables** PG#136
- Time and cost

Detailed plan specifying the required resources and expected deliverables

97. In _____, a system is designed by fitting together a collection of independent and self-contained components.

- Structured design
- Component design
- Object oriented design** PG#131
- None of above

Object Oriented Design : The over-all system is put together by fitting together a collection of these components.

98. Core tasks of an OS are:

- Processor management
- User interface
- Storage management
- All of the given**

PG#65

Core Tasks of an OS

Processor management , Memory management ,Device management
Storage management , Application Interface , User Interface

99. Linux is _____ type of operating system

- Single user
- Multi user**
- Distributed
- None of the given

100. Algorithm is a precise sequence of limited number of _____ , _____ steps that terminates in the form of a solution

- Ambiguous, Executable
- Nondeterministic, Finite
- Finite, countable
- Unambiguous, executable**

PG#100

A precise sequence of a limited number of unambiguous, executable steps that terminates in the form of a solution

2011 to 2014 Sessions Daily Base Quizzes

101. Decompose the problem into subsystem and define their relationships is done in _____ phase.

- User requirement**
- Planning
- Integration testing
- Detailed design

PG#137

Architecture: Decompose the problem into subsystems and define their relationships

102. Which attribute/attributes will we use to limit the capacity of text box to 20 characters?

- Maxlength="20"**
- Length="20"
- Size="20"
- All of the above

PG#74

Maxlength="limitInCharacters"

103. _____ is a type of computer-to-computer messaging.

- TCP
- Telnet
- E-mail**
- FTP

PG#213

email

Computer-to-computer messaging Inexpensive, and quite quick, but not instant!

104. Suppose you are the presenter and you want audience in touch during presentation then what will you do?

- Write long sentences on slides
- Keep same color for the background and text
- Use of videos , animation and sounds**
- Using very small font size

105. Whenever a contact in our list comes online, who informs us through an alert message and by playing a sound?

- IM server
- IM client**
- Client
- Server

PG#215

Using Instant Messaging

Whenever a contact in our list comes online, the IM client informs us through an alert message and by playing a sound

106. One can run program on a remote computer using the _____ protocol.

- SMTP
- TELENET**
- FTP
- None of the given choices

PG#185

Can run a program on a remote computer using the TELNET protocol

107. Arguments values are passed to the function _____

- By value
- By reference
- Both a & b**
- None of the given

PG#201

Arguments values are passed to the function by value (some popular languages pass arguments 'by reference' as well)

108. _____ Loop is flow control statement that allows code to be executed repeatedly based on a given Boolean condition.

- For
- Do-While
- If-else
- While**

[Click here for detail](#)

A while loop is a control flow statement that allows code to be executed repeatedly based on a given boolean condition

109. Two or more computers connected together so that they can share information and resources are termed as:

- Computer networks** **PG#185**
- Computer protocols
- Network topologies
- None of the above

Computer Network

Multiple computers that are connected together to share information and other Resources

110. In _____ TCP\IP protocols became the only set of protocols used on the ARPANET.

- 1973
- 1983** **PG#196**
- 1972
- None

1983 - The TCP/IP protocols becomes the only set of protocols used on the ARPANET

This sets a standard

111. In 1983, which protocols became the only set of protocols used on the ARPANET?

- UDP/IP
- TCP/IP** **PG#196**

1983 - The TCP/IP protocols becomes the only set of protocols used on the ARPANET

This sets a standard

112. SMTP stands for _____.

- Simple Mail Transfer Protocol** **PG#213**
- Simple Mail Transparent Protocol
- Simple Mail Transfer Paradigm
- None of these

SMTP: Simple Mail Transfer Protocol

A protocol used to send and receive eMail messages over a TCP/IP network

113. The system that manages relational database is called

- Database Management System
- Data Management System
- **Relational Database Management System**
- Flat-File System

114. One of the disadvantages of working at home is _____

- Family life may be happier because of living at home
- **Family life may suffer as well , as some never turn off , and keep on working through out the day, evening an night**
- Family life may happier because he can give more time to his family.
- There is no disadvantage of working at home.

115. Network Organization _____ so that network organization works effectively to meet the business goals the organization.

- Shares knowledge
- Decentralizes the control of the operation
- **Shares knowledge and decentralizes the control of the operation** PG#281
- Shares knowledge and Centralizes the control of the operation

Network Organization

It shares knowledge and decentralizes the control of the operation so that network works effectively to meet the business goals of the organization

116. Infection propagation and Actual destructive are the components of _____

- Transmission mechanism
- **Payload** PG#277
- Worms
- Trojan Horse

Payload

- The part of the virus that generally consists of malicious computer instructions
- The part generally has two further components:
 - Infection propagation component:
 - This component transfers the virus to other files residing on the computer
 - Actual destructive component:
 - This component destroys data or performs or other harmful operations

117. When web server is busy it gives a message to user _____

- Time out
- Waiting
- **Server Busy**
- Server Unavailable

118. _____ provides software tools needed to organize & manipulate the data in a flexible manner.

- Data Base
- DBMS** **PG#254**
- Data Mining
- File system

A DBMS takes care of the storage, retrieval, and management of large data sets on a database

It provides SW tools needed to organize & manipulate that data in a flexible manner

119. A property that gives the values of Pi is:

- PI()
- Graph. PI
- Math.PI** **PG#248**
- Math.PI()

Properties:

Math.PI
Math.E
Math.LN2
Math.LN10
Math.LOG2E
Math.LOG10E
Math.SQRT2
Math.SQRT1_2

120. There are _____ popular schemes to reduce the number of bytes that are required for storing graphics.

- 4
- 3
- 2** **PG#235**
- None of these

A number of clever schemes have been invented to reduce the number of bytes that are required for storing graphics. 2 popular ones:

Color mapping
Dithering

121. Databases consisting of two or more related tables are called _____

- Databases
- Relational Databases** **PG#262**
- RDBMS
- Flat-Files

Relational Databases

• Databases consisting of two or more related tables are called *relational databases*

122. COO stands for

- Chief operational office
- Chief operating officer** PG #298
- Chief operational order
- None of the above

COO – Chief Operating Officer

123. Utility software is type of _____ Software

- System** [Click here for detail](#)
- Application
- Both a & b
- None of the given

Utility software is system software designed to help analyze, configure, optimize or maintain a computer.

124. With the help of FTP we can:

- List, change, create folders on remote computes
- Upload and download files
- Transferring web content from the developer's PC to the web server
- All of the given choices** PG#210 and 211

FTP: File Transfer Protocol

Used to transfer files between computers on a TCP/IP network (e.g Internet)

Simple commands allow the user to:

List, change, create folders on a remote computer

Upload and download files

Typical use: Transferring Web content from the developer's PC to the Web server

125. The user's & the contact's IM clients are ready to communicate directly, this communication is called:

- Peer-to-peer** PG#217
- Client-server
- Peer-to-peer
- Ad hoc network

Now the user's & the contact's IM clients are ready to communicate directly (P2P)

126. Events can be captured in the HTML code, and then directed to a JavaScript _____ for an appropriate response

- BODY TAG** PG#228
- HANDLER
- FUNCTION
- EVENT

Events can be captured and responded to directly with JavaScript one-liners embedded in HTML tags in the BODY portion

127. The cyberwarefare is a _____

- Crime**
- War
- Software
- Game

128. The message is prepared using:

- e-mail client** **PG#213**
- SMTP server
- POP3 server
- All of the given choices

The message is prepared using the eMail client

129. Which of the following is used to attain something productive as opposed to games or entertainment software's?

- System software
- Application** **PG#61**
- Programing software
- Productive software

130. Programs(s) used for writing, sending, receiving, and displaying E-mail message are:

- SMTP server
- E-mail client** **PG#213**
- POP3 server
- All of the given choices

eMail Clients

Programs used for writing, sending, receiving, and displaying eMail messages

Examples: Outlook, Communicator, Hotmail, YahooMail

131. Spreadsheet is a collection of cell arranged in _____

- Rows
- Columns
- Both of the given** **PG#83**
- None of the given

Spreadsheet SW (2)

Consist of cells arranged in rows and columns

Each cell may contain numeric values, text or formulas

Automation

Recalculations

Charts

132. What would be the html code for the given display: 1.circle 2.square

- <ul start = "1">
<L1> circle </L1>
<L1> square</L1>
-
<L1> circle</L1>
<L1> square</L1>
-
<L1> circle</L1>
<L1> square</L1>
- <ol begin = "1">
<L1> circle </L1>
<L1> square </L1>

PG#52

133. Which of the following can NOT be contained in interactive forms?

- Text box
- Check box
- For loop
- Radio button

PG#69

Interactive Forms (3)

Are GUI-based

May contain:

Text fields

Check boxes

Buttons

Scrollable lists

134. Vector graphics are also called Raster graphics.

- True
- False

135. _____ can store both data and addresses.

- Data registers
- Vector Registers
- General Purpose Registers
- Special purpose Registers

PG#35

General Purpose registers can store both data and addresses.

136. For writing a letter we can use _____

- MS Paint
- MS Word** **PG#62**
- MS Excel
- Corel Draw

MS Word. Individuals use it and so do many large corporations. It is used for writing one-page letters and also to typeset books

137. Digital computers possess two natural states _____ and _____

- On & on
- On & off** **PG#42**
- Off & off
- None

The fundamental building block of a digital computer – the switch – possesses two natural states, ON & OFF.

138. Which of the following are an essential HTML tags required in all web pages.

- <HTML>,<BODY>,<HEADING>
- <HTML>,<HEAD>,<H1>
- <HTML>,<HEAD>,<BODY>**
- <HTML>,<HEAD>,<BODY>,<HEADING>

139. Which attribute is used to submit a HTML form to a specified hyper link?

- Method** **PG#71**
- Action
- Name
- None of the given

method: Forms can be submitted through two alternate methods – GET & POST

140. MS word is an example of _____.

- Shrink wrapped software** **PG#62**
- Custom built software
- Specific purpose software
- Trialware software

Shrink-Wrapped SW

SW built in such a way that it is useful for many different users in many different ways.

Example: MS Word.

141. Which one of the following web programming languages is used to do client-side scripting?

- ASP
- Server Side JavaScript
- PHP
- VBScript** **PG#95**

We'll use JavaScript to do client-side scripting. However, there are many other languages that can be used for that purpose, e.g. VBScript

142. Microphone is an example of devices

- Output
- Input** **PG#23**
- Storage
- None of the above

Input Devices: Mouse, Keyboard, Joystick, Digital Camera, Microphone, Scanner

143. Which one of the statement is true about JavaScript language?

- JavaScript is an interpreted language
- JavaScript supports event-driven programming
- JavaScript is object-based
- All of the given** **PG#96**

JavaScript:

Is an interpreted language

Supports event-driven programming

Is object-based

144. _____ Cache memory placed on a separate chip from microprocessor.

- L1
- L2** **PG#34**
- Both
- None of the above

L2, cache memory, which is on a separate chip from the microprocessor but faster to access than regular RAM.

145. The best strategy used for complex Boolean operation is called

- Brute-force
- Greedy Algorithm
- Divide and conquer** **PG#45**
- None of the above

146. Given the HTML code. ahsan@vu.edu.pk
My email. Read the code carefully and tell what output browser will generate?

- ahsan@vu.edu.pk** **Correct**
- [ahasn@vu.edu.pk](mailto:ahsan@vu.edu.pk)
- my email ahasn@vu.edu.pk
- none of the given choices

147. Which of the following is not an example of DTP (Desktop Publishing)?

- Adobe PageMaker
- Corel Ventura
- MS Publisher
- MS Word** **PG#88**

DTP: Requirements

High-end PC with a large-screen monitor

Laser printer

Scanner

DTP SW

Examples:

Adobe PageMaker

QuarkXPress

Corel Ventura

MS Publisher

148. An HTML document is develop in a plain-text editor called

- Nopade
- Notepad** **PG#83**
- Textpad
- Editor

Web pages can be developed using a simple plain-text editor like the “notepad”, but more efficient, easy-to-use HTML editors can make the process quicker

149. _____ is used for amplification, and has three terminals.

- Resister
- Diode
- Transistor** **PG#32**
- Capacitor

The transistor is a solid state semiconductor device used for amplification and Switching, and has three terminals.

150. ROWSPAN is used to extend the current cell to some

- Columns**
- Rows
- Both a & b
- None of the given

ROWSPAN

The number of columns the current cell should extend itself

Example: <TD ROWSPAN = "5">

151. When the if statement consist more than one statement then enclosing these statement in curly braces is,

- Not required
- Good programing
- Relevant
- Must**

152. JavaScript treats everything which it manipulates as _____.

- Object** **PG#96**
- Method
- Window
- Text

Object Based?

Everything that JavaScript manipulates, it treats as an *object*

153. Trialware software are used for

- Short period** **PG#63**
- Long period
- Life time
- None of the given

Trialware

It is similar to shareware but difference is that the SW is usable for a short period only. When the period is expired, it is no more in use until the license is not purchased. The trial period may vary according to its developer. This period may range from a week to a few months.

It can be downloaded from the Internet or alternatively.

154. The process that can be used to solve a problem is termed as the _____

- Use case
- Protocol
- **Algorithm**
- Flow Diagram
-

PG#99

The process that can be used to solve a problem is termed as the “algorithm”

155. _____ is an example of BIT-mapped type of Graphics & Animation software.

- MS Visio
- **MS Paint**
- Corel Draw
- Flash

PG#82

Bit-mapped or raster graphics

Treats everything that is drawn as a bit-map

If an object is drawn on top of another, it is difficult to move just 1 of them while leaving the other untouched

Changing the resolution often requires considerable touch-up work

Relatively large file size

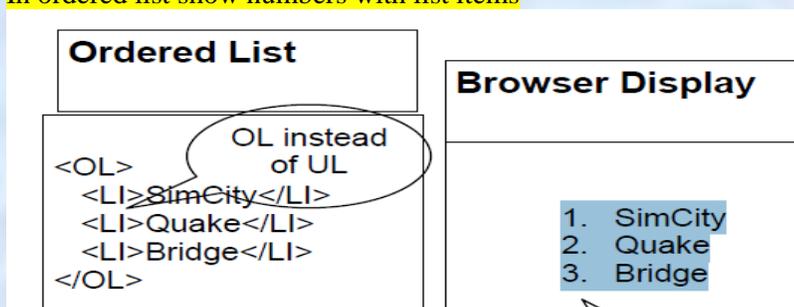
Example: MS Paint, Adobe Photoshop

156. If we want to show numbers with list items, then we use

-
- ****
- <DL>
- None of the given

PG#53

In ordered list show numbers with list items



157. To select multiple options in a list we use _____ control.

- Radio button
- Check box
- **Selection list**
- Ordered list

158. Without _____, a web site is read only.

- **Form** **PG#69**
- Dialog box
- Button
- Scroll Bar

Interactive Forms (1)

Without forms, a Web site is “read-only” – it just provides information to the user. Forms enable the user to provide information to the Web site. For example, the user can:

Perform searches on Web site

Give comments

Ask for info that is not available on the Website

Place order for goods and services

159. Choose the correct html to left-align the content inside a table cell:

- <tdleft>
- **<td align = |left|>**
- <td valign = |left|>
- <td leftalign>

160. Rules and regulations to communication in a network is called:

- LAN
- **Protocol** **PG#185**
- Hub
- None of the given choices

Protocol

–Rules governing communications over the network

161. The heuristic| programmers deliver the same number of Line of code| suggest that programmer should use

- **The highest level language** **PG#169**
- The lowest level language
- The middle level language
- Any programing language

We looked at the role of heuristics in architectural (or high-level) design

162. FTP was introduced in:

- 1972
- 1973
- 1974
- 1976

PG#197

1973 - FTP (File Transfer Protocol) is introduced, standardizing the transfer of files between networked computers

163. Which of the following is True about |parseFloat(string)| function : I) if the first character cannot be converted to a number, parseFloat returns NaN. II) It returns the fractional portion of floating point number. III) Parses the string argument; returns a FP number. IV) None of the given options.

- I and II only
- II and III only
- I and III only
- IV only

PG#204

1. Parses the string argument; returns an integer
2. If it encounters a non-numeral - anything other than (+,-) or (0-9) - it ignores it and all succeeding characters, and returns the integer value parsed up to that point
3. If the first character cannot be converted to a number, parseInt returns NaN
4. parseInt truncates numbers to integer values
5. Leading and trailing spaces are ignored

164. Avoid the use of motion for _____ purposes.

- Cosmetic
- Fashion
- Animation
- None of the given

PG#176

Using Motion

Use motion to attract the viewer's attention

Avoid the use of motion for "cosmetic" purposes

Success is defined by the user, not the builder

165. A named collection of properties (data, state) & methods (instructions, behavior) is called

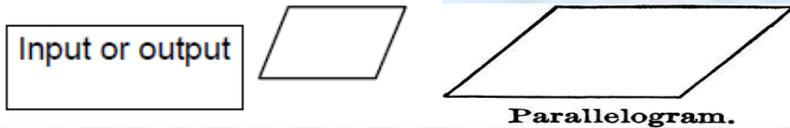
- Object
- Entity
- Relation
- Template

PG#202

Object: A named collection of properties (data, state) & methods (instructions, behavior)

166. _____ / / / _____ / A Parallelogram represents the _____ flow chart element.

- Process
- Input or output** **PG#105**
- Decision
- Connector



167. Greedy algorithm does not support _____ .situation.

- Local
- Global
- Complex**
- All of the given

168. MS Word is a WYSIWYG-based Word processor.

- True** **PG#83**
- False

Word Processors

WYSIWYG (e.g. Word, WordPerfect, Star) or traditional markup (LaTeX)?

169. During one of the international cricket tournaments, one of the teams intentionally lost a match, so that they could qualify for the next round if they had won that match, some other team would have qualified this is an example of a _____

- Greedy algorithm
- Non-greedy algorithm** **PG#102**

Greedy Algorithm: Counter Example

During one of the international cricket tournaments, one of the teams intentionally lost a match, so that they could qualify for the next round

If they had won that particular match, some other team would have qualified

This is an example of a non-greedy algorithm

170. A data cell of a table contain

- Only text
- Images
- Tables
- All of the given** **PG#54**

Data Cell

(Can contain paragraphs, images, lists, forms, tables)

171. Which of the following is incorrect for making design elements legible?

- Elements should be large enough
- Elements must contrast sufficiently
- Related elements should be visually grouped
- **Elements should have no visual focus**

Making Display Elements Legible:

1. Designing (arranging) Display Elements

Elements must be large enough to be processed visually

Elements must contrast sufficiently with their backgrounds

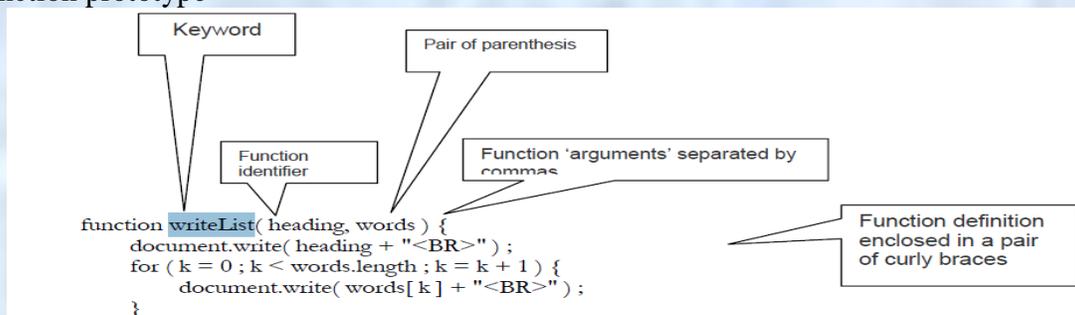
Related elements should be visually grouped through the use of space, color, or graphical

Boundaries

172. Function WriteList(heading, words){//body of function} in above definition | WriteList |is the_____

- **Keyword**
- Function identifier
- Parameter
- Function prototype

PG#201



173. There are mainly two types of networks according to network access policy namely:

- Public & commercial
- **Private & public**
- Private & Non- private
- None of the given choices

PG#186

Types of Computer Networks

according to the network access policy

- Private
- Public

174. In a system having many parts to be designed, one should always do the _____ first.

- Simple part
- Development part
- Quality part
- **None of the given**

PG#166

Given many parts of a system to be designed/built, do the **hard part** 1st

175. In JavaScript, arrays are implemented in the form of:

- Array object** **PG#199**
- Array variable
- Array class
- None of the given choices

Arrays in JavaScript

In JavaScript, arrays are implemented in the form of the 'Array' object

The key property of the 'Array' object is 'length', i.e. the number of elements in an array.

176. NIC stands for:

- Network Interface Card** **PG#185**
- Network International Card
- Network Interface Control
- None of the given choices

Network Interface Cards (NIC)

177. _____ prevent collisions of packets caused by simultaneous transmission between two or more computers.

- Security
- Protocol** **PG#190**
- Authorization
- None of the given choices

Protocols prevent collisions of packets caused by simultaneous transmission between two or more computers

178. The key benefits of VPNs over conventional PNs is:

- Security
- Efficiency
- Lower cost** **PG#187**
- None of the given choices

Key benefit of VPNs over conventional PNs: Lower cost

179. JavaScript Arrays are _____

- Homogeneous
- Heterogeneous** **PG#180**
- Homogeneous and Heterogeneous
- None of the given choices

JavaScript Arrays are Heterogeneous

180. _____ uses public telecom infrastructure, maintaining privacy through security procedures.

- Private network
- Public network
- VPN** **PG#187**
- None of the given

VPNs use public telecom infrastructure, maintaining privacy through security procedures

181. The function which call themselves from their (own) body are called:

- Virtual function
- Abstract function
- Overriding functions
- Recursive functions** [Click here for detail](#)

In computer science, one of the main ways that self-similarity is expressed is through a technique called **recursion**. Recursion is found whenever a function calls itself from within the body of its own code.

182. Efficiency is _____ to universality.

- Direct proportional**
- Not proportional
- Equal
- None of the given

183. According to heuristic, if you can't explain it in _____ minutes, either you don't understand it or it does not work.

- 10
- 5** **PG#166**
- 2
- 1

If you can't explain it in 5 minutes, either you don't understand it or it does not work

184. (a) _____ is the concept embedded in an algorithm (soul!) and (b) _____ is the actual representation of an algorithm (the body!)

- (a) semantics (b) syntax** **PG#104**
- syntax (b) semantics
- code (b) Logic
- sequence (b) Flow chart

Semantics:

The concept embedded in an algorithm (the soul!)

Syntax:

The actual representation of an algorithm (the body!)

185. In a HTML form for file upload input element we use the following value in type attribute:

- Text
- Radio
- Hidden
- File** **PG#79**

File Upload Input Element

```
<INPUT  
type="file"  
name="buttonName"  
value="nameOfSelectedFile"  
enctype="fileEncodingType"  
>
```

186. In a HTML form for Hidden INPUT field we use the following value in type attribute:

- Text
- Password
- Hidden** **PG#74**
- Check box

Hidden Input

```
<INPUT  
type="hidden"  
name="fieldName"  
value="value"  
>
```

187. Operating system installed in a cell phone is a type _____

- Multi user operating system
- Distributed operating system
- Single user operating system**
- None of the given

188. Quantum mechanics is the branch of _____; which describes the activity of subatomic particles.

- Chemistry
- Computer science
- Physics** [Click here for detail](#)
- None of the given choices

Quantum Theory, also quantum mechanics, in physics, a theory based on using the concept of the quantum unit to describe the dynamic properties of subatomic particles and the interactions of matter and radiation.

189. Deep blue was the name of :

- Human
- Computer** **PG#9**
- City
- None of given choices

In 1997 Deep Blue, a supercomputer designed by IBM, beat Gary Kasparov, the World Chess Champion That computer was exceptionally fast, did not get tired or bored.

190. What was the name of first computer that used |magnetic Tape| for programs storing?

- ENIAC
- EDVAC** [Click here for detail](#)
- Harvard Mark 1
- Atanasoff-Berry Computer

EDVAC (electronic discrete variable computer) - First computer to use Magnetic Tape. This was a breakthrough as previous computers had to be re-programmed by re-wiring them whereas EDVAC could have new programs loaded off of the tape. Proposed by John von Neumann, it was completed in 1952 at the Institute for Advance Study, Princeton, USA.

191. _____ are personal computers that are designed to be easily transported and relocated

- Desktops
- Portables** **PG#21**
- Servers
- Workstations

Portables

Portable computer is a personal computer that is designed to be easily transported and relocated, but is larger and less convenient to transport than a notebook computer. The earliest PCs designed for easy transport were called portables.

192. Web is a unique invention by humans in terms that it is:

- Accessible to all human** **PG#196**
- Accessible to only the owners who control it
- Accessible to particular locations only
- None of the given choices

The Internet is unlike any previous human invention. It is a world-wide resource, Accessible to all of the humankind.

193. What are the conditions that must be fulfilled in order to use web?

- Computer is ON
- Web browser is available
- PC is connected to the Internet
- All of the given**

194. Array can be defined as:

- An indexed list of elements** **PG#177**
- A list of elements
- A collection of elements
- None of the given

Array: An indexed list of elements

195. UTP stands for:

- Ultra Twisted pair
- Unified Twisted Pair
- Unshielded Twisted Pair**
- None of the given

196. _____ converts computer messages to electrical pulses that are suitable for transmission over the telephone line.

- Modulator** **PG#187**
- Demodulator
- Modulator & Demodulator
- None of the given

Modulator converts computer messages to electrical pulses that are suitable for transmission over the telephone lines

197. The first Web browser with a GUI was generally available in:

- 1992
- 1993**
- 1994
- 1995

198. Global variables are:

- Visible everywhere one the web page** **PG#204**
- Visible only in the block in which they are declared
- Visible only in the main code
- None of the given choices

Global Variables

Visible everywhere on the Web page

199. WAN stands for:

- Wireless Area Network
- Wide Area Network** **PG#187**
- Wide Air Network
- None of the given choices

WAN: (Wide Area Network)

200. Which variables can make the logic of a web page difficult to understand?

- Global** PG#207
- Local
- Both Global and Local
- None of the given choices

Global variables can make the logic of a Web page difficult to understand

201. _____ Loop is flow control statement that allows code to be executed repeatedly based on a given Boolean condition.

- For
- Do-While
- If-else**
- While

202. _____ is a system that guards a private network.

- Protocol
- Firewall** PG#191
- Communication channel
- None of the given choices

Firewall

A system that guards a private network, enforcing an access/deny policy to all traffic going to and coming from the Internet

203. Electrical pulses received over telephone line are converted into message (comprehensible by the computer) by using:

- Modulator
- Demodulator** PG#187
- Both Modulator and Demodulator
- None of the given choices

Demodulator converts electrical pulses received over telephone lines into messages that are comprehensible for computers

204. In partitioning program/module, it should be assured that partitioned chunks should be as _____ as possible.

- Dependent
- Independent**
- Complex
- All of the given

205. Which one can lead user to leave your website

- Simple design
- Poor navigation** **PG#170**
- Information layout
- Adaptable design

83% of users have left sites in frustration due to poor navigation, slowness (NetSmart Research)

206. _____ breaks down the message to be sent over the internet into packets.

- TCP** **PG#196**
- IP
- SMTP
- None of the given

TCP breaks down the message to be sent over the Internet into packets

207. Identify the correct statement about function arguments I) A comma-separated list of data II) Define the interface b/w function and rest of code III) They are used to identify the function IV) They identify function's type.

- I and II only** **PG#201**
- II and III only
- III and IV only
- I,II and III only

Arguments of a Function

A comma-separated list of data

Arguments define the interface between the function and the rest of the Web page

Arguments values are passed to the function by value (some popular languages pass arguments 'by reference' as well)

To ensure that a function is defined before it is called up, define all functions in the HEAD portion of Web pages

208. Email uses _____ protocol.

- SMTP** **PG#213**
- HTTP
- FTP
- None of the given choices

SMTP: Simple Mail Transfer Protocol

A protocol used to send and receive eMail messages over a TCP/IP network

209. Intel 8088 took _____ cycles to execute.

- 80
- 15** **PG#31**
- 20
- 50

A typical instruction in a processor like an 8088 took 15 clock cycles to Execute.

210. Intel 4004 processor based on bits

- 8
- 4** **PG#37**
- 16
- 32

The 4004 dealt with data in chunks of 4-bits at a time

211. The name of very first computer was:

- ABC** **PG#14**
- BCD
- EDC
- None of the given choices

ABC – 1939

The Atanasoff-Berry Computer was the world's first electronic digital computer. It was built by John Vincent Atanasoff and Clifford Berry at Iowa State University during 1937- 42.

212. An integrated circuit is made up of

- Silicon** [Click here for detail](#)
- Conductor
- Insulator
- Metal

An integrated circuit, commonly referred to as an IC, is a microscopic array of electronic circuits and components that has been diffused or implanted onto the surface of a single crystal, or chip, of semiconducting material such as silicon.

213. _____ is a related collection of WWW files that includes a beginning file called homepage.

- HTML
- HTTP
- Web Site** **PG#18**
- Web Page

A Web site is a related collection of World Wide Web (WWW) files that includes a beginning file called a home page.

214. The name of first electronic computer that stored entire program in its memory was:

- ENIAC
- Harvard Mark 1**
- EDVAC
- Atanasoff-Berry Computer

215. The last famous electromechanical computer was:

- ENIAC**
- Harvard Mark 1
- IBM-PC
- Atanasoff-Berry Computer

216. All the ideas of Babbage Analytical engine were included in:

- Atanasoff-Berry Computer
- Harvard Mark 1**
- ENIAC
- Pentium

217. In anchor tag HREF attribute contain a.

- Numeric
- A URL** **PG#270**
- A text value
- None of above

`link(URL) ...`

218. Altair 8800 was based on _____ processor

- Intel 4004
- Intel 8080**
- Intel 386
- Pentium

219. Babbage's Analytical Engine could store information permanently in:

- Magnetic Tape
- Floppy Disk
- Punched Cards** **PG#13**
- None of the given choices

Babbage's Analytical Engine - 1833

Mechanical, digital, general-purpose

Was crank-driven

Could store instructions

Could perform mathematical calculations

Had the ability to print

Could punched cards as permanent memory

220. First computer that could not only manipulate numbers but also text data as well was:

- ENIAC
- EDVAC
- UNIVAC 1
- Attanasoff-Berry Computer

ENIAC I (Electrical Numerical Integrator And Calculator). The U.S. military sponsored their research; they needed a calculating device for writing artillery-firing tables (the settings used for different weapons under varied conditions for target accuracy). John Mauchly was the chief consultant and J Presper Eckert was the chief engineer. Eckert was a graduate student studying at the Moore School when he met John Mauchly in 1943. It took the team about one year to design the ENIAC and 18 months and 500,000 tax dollars to build it. The ENIAC contained 17,468 vacuum tubes, along with 70,000 resistors and 10,000 Capacitors.

221. _____ has changed our way of life like no other technology.

- Computational technology
- Computer technology
- Computing technology PG#180
- None of the above

Computing technology has changed our way of life like no other technology

222. Smart editors they can automatically color different parts of statements in different colors e.g. HTML tags in _____ color.

- Green
- Grey
- Blue PG#315
- None of the above

Automatically color different parts of statements in different colors, e.g. comments in Gray, strings in Green, HTML tags in Blue

223. When the packets reach destination _____ reassembles them into original message.

- Protocol
- TCP PG#317
- IP
- None of the above

When the packets reach the destination computer, TCP reassembles them into the original message

224. Because of computing, _____ profession(s) is /are being eliminated.

- Typists
- Bank tellers
- Telephone operators
- All of the given**

PG#281

Old professions are being eliminated ...

- Typists
- Bank tellers
- Telephone operators

225. _____ is a technique used create smooth animations or to display one of several images based on the requirement.

- Image preloading**
- JavaScript
- Animated Gifs
- None of the given

PG#286

Image Preloading

- The primary use for an Image object is to download an image into the cache before it is actually needed for display
- This technique can be used to create smooth animations or to display one of several images based on the requirement

226. _____ is the member of Executive team.

- Project Manager
- CEO**
- Team Lead
- None of the above

PG#298

Executive Team

- CEO – Chief Executive Officer

227. _____ based on the principles of the logical reasoning ability of humans.

- Genetic Algorithms
- Rule-Based System**
- Feed-Forward Network
- None of these

PG#242

Rulebased Systems (1):

Based on the principles of the logical reasoning ability of humans

228. Internet is an example of _____ network.

- Private
- Public** **PG#186**
- Both private and public
- None of the given choices

Public Networks

- All networks that are not private, are ... public
- **Example:** Internet

229. Row elements are called _____

- Records
- Fields** **PG#262**
- Identifiers
- Data

Table rows are called records; row elements are called fields

230. E-mail system has _____ component(s)

- E-mail client
- SMTP server
- POP3 server
- All of the given choices** **PG#213**

How does an eMail system work?

But first, the components:

eMail client
SMTP server
POP3 server

231. JavaScript was specially designed for writing _____ programs

- Subject-Driven Programs
- Web Programs** **PG#321**
- Event-Driven Programs
- Structured Programs

JavaScript can be used (along with HTML) to develop interactive content for the Web

232. _____ are used to transferring files between computer on TCP/IP network

- FTP** **PG#234**
- DNS
- Telnet
- None of these

FTP:

Used to transfer files between computers on a TCP/IP network (e.g Internet)

233. The pattern in which computer are connected together to form a network is called:

- Network Topology** **PG#188**
- Network transmission
- Network protocol
- None of the given choices

Network Topologies

The pattern in which computers are connected to form a network

234. _____ is a branch of computer science concerned with manipulating and enhancing computer graphics.

- Image Handling
- Image Processing** **PG#237**
- Image Engineering
- None of these

Image Processing:

A branch of computer science concerned with manipulating and enhancing computer graphics

235. SVG stands for _____

- Structured vector Graphics** **PG#237**
- Software vector Graphics
- Structured visual Graphics
- None of these

SVG (Structured Vector Graphics)

236. _____ is a network of computer that are lying within the same building or in vicinity.

- LAN** **PG#187**
- WAN
- LAN and WAN
- None of the given choices

LAN

A network of computers located in the same building or a handful of nearby buildings

Examples:

-Computer network at your PVC

-Computer network of a University campus

237. The most common type of Relational database for server is _____

- Access
- Oracle
- MySQL**
- Excel

238. The organizations are learning that business can be done in a more effective manner if emphasis is placed upon _____.

- Cooperation
- Shared responsibility
- Networking
- All of the given**

PG#281

The organizations are learning that business can be done in a more effective manner if emphasis is placed upon cooperation, shared responsibility and networking:

239. The browser breaks down the URL into _____ parts

- 2
- 3**
- 4
- 5

PG#211

The browser breaks down the URL into 3 parts :

Protocol Identifier

Server Address

Directory & File Name

240. A large number of networks interconnected physically are called _____

- LAN
- MAN
- Internet**
- None of above

PG#209

Internet: Network of Networks

A large number of networks, interconnected physically Capable of communicating and sharing data with each other From the user's point view, Internet – a collection of interconnected networks – looks like a single, unified network

241. Module level design and unit testing the responsibility of _____

- Team Lead
- Developer**
- Project Manager
- None of the above

PG#298

Developer

• Responsibilities:

– Module-level design

– Coding

– Unit-testing

242. The important attribute of image tag is _____

- src
- alt
- both "alt" and "src"** http://www.w3schools.com/tags/tag_img.asp
- none of the above

The tag has two required attributes: src and alt.

243. If you write program using good programming methodology then the overall cost & time of the program is _____

- Increased
- Reduced**
- Doubled
- None of the above

244. Who routes the packets through the internet to get their destination?

- UDP
- TCP
- UCP
- IP** **PG#209**

IP routes these packets through the Internet to get them to their destination

245. Collection of facts & figures is called _____

- Information
- Data** [Click here for detail](#)
- Entity
- None of the above

Data is a collection of raw facts and figures and statistics related to an object.

246. CMSO stands for

- Chief Marketing & Sales Officer** **PG#298**
- Chief Management & Sales Officer
- Chief Marketing & Stock Officer
- None of the above

CMSO – Chief Marketing & Sales Officer

247. _____ is a field that uniquely identifies each record stored in a table.

- Primary key** **PG#263**
- Foreign key
- Secondary key
- Special key

Primary Key is a field that uniquely identifies each record stored in a table

248. Comments are used to make program more _____.

- Efficient**
- Readable
- Inefficient
- None of the above

249. Someday it will be possible to load all the lectures, papers, books and s/w produced by an expert into an _____ system.

- Information
- Eco
- Intelligent** [Click here for detail](#)
- None of the above

Someday it will be possible to load all the lectures, papers, books and SW produced by an expert into an intelligent system

250. Which one of the following is built- in computer memory containing data that normally can only be read, not written to?

- RAM
- ROM** **PG#25**
- Cache Memory
- Magnetic Memory

ROM

ROM is "built-in" computer memory containing data that normally can only be read, not written to.

251. Which of the following is a computer storage device that saves and retrieves the data when required?

- Hard Disk** **PG#25**
- RAM
- ROM
- None of the given choices

Hard disk

Hard disk is a computer storage device which saves and retrieves the data when Required.

252. Which one of the following units can be called as the brain of computer microprocessor?

- ALU(Arithmetic & logic Unit)
- FPU(Floating Point Unit)
- Control Unit** **PG#36**
- Bus interface Unit

A control unit can be thought of as a finite state machine. It is called the brain of computer microprocessor

253. Which of the following translate a high level language code into machine understandable code?

- Computer
- Transistor
- Compiler** **PG#130**
- None of the above

A compiler translates high-level instructions directly into machine language

254. A hyper link in a web page is by default appearing as:

- Blue only
- Back and underlined
- Blue and bold
- Blue and underlined** [Click here for detail](#)

By default, when Word formats a hyperlink, the hyperlink appears blue with a blue underline

255. First computer designed for commercial applications was:

- UNIAC 1** **PG#14**
- ENIAC
- EDVAC
- Attanasoff-Berry Computer

UNIVAC 1 – 1951

UNIVAC-1. The first commercially successful electronic computer, UNIVAC I, was also the first general purpose computer - designed to handle both numeric and textual information.

256. 1 byte consists of _____ bits.

- 10
- 9
- 8** **PG#42**
- None of the given choices

Byte = 8 bits

257. The first programming language designed for the non-technical users, was:

- Visual Basic
- Ada** **PG#9**
- Basic
- Cobol

Ada: the mother?

Wrote a program for computing the Bernoulli's sequence on the Analytical Engine - world's 1st computer program

258. If a computer could pass the Turing test then it would be able to :

- Win a million dollar prize
- Think like human beings** **PG#13**
- Think but slower than humans
- Do the things faster

The "Turing test"

A test proposed to determine if a computer has the ability to think. In 1950, Alan Turing (Turing, 1950) proposed a method for determining if machines can think. This method is known as The Turing Test

259. USB stands for

- Uniform system Bill
- Universal system Bus
- Universal serial Bus** **PG#24**
- Unified sequential Bus

USB

USB (Universal Serial Bus) is a plug-and-play hardware interface for peripherals such as the keyboard, mouse, joystick, scanner, printer and modem.

260. _____ are set of Rules & Regulation that provides communication in a network.

- Browser
- Protocol**
- Internet Explorer
- Hyper Text

261. A communication protocol is a _____ that governs the flow of information over a network.

- Set of Methods
- Set of Functions
- Set of rules**
- None of the given

262. Registers that hold read-only values are known as

- **Constant Registers** PG#35
- Fixed Registers
- Vector Registers
- General purpose Registers

Constant registers hold read-only values (e.g zero or one).

263. The Capacity of a communication channel for carrying data is called:

- Base band
- Broad band
- **Bandwidth**
- None of the given choices

Bandwidth

Capacity of a communication channel for carrying data

Measured in bits/s (bps), kb/s, Mb/s, Gb/s, Tb/s

Optical fiber channels have the highest (1 Tb/s)

264. ARPANET was dissolved in:

- **1990** PG#197
- 1991
- 1995
- None of the given choices

1990's1990 - The ARPANET is dissolved

265. TCP stands for :

- Transmission control practical
- **Transmission control protocol** PG#196
- Transfer center protocol
- None of the given choices

TCP (Transmission Control Protocol)

266. Specifying the space in which a variable will be effective is called:

- Variable declaration
- Variable definition
- **Variable scope** PG#204
- Variable garbage collection

Scope of Variable

Defining the space in which a variable is effective is known as

defining the scope of a variable. A variable can be either *local* or *global* in scope.

267. JavaScript Array can hold elements of _____ simultaneously.

- Single data types
- Multiple data types** **PG #180**
- Integers and strings only
- Integers and characters only

JavaScript Arrays are Heterogeneous

Unlike many other popular languages, a JavaScript Array can hold elements of multiple data types, simultaneously

268. Avoid lines type shorter than _____ characters and longer than _____ characters.

- 40,60** **PG#175**
- 30,60
- 20,30
- None of the given

Avoid lines of type shorter than 40 characters and longer than 60 characters

269. Ethernet & Token Ring Protocol used in:

- LAN** **PG#190**
- WAN
- Both LAN and WAN
- None of the given choices

Several protocols are available for various types of networks. Here we discuss two that are popular for LANs: Ethernet; Token Ring

270. Using _____ networks access is restricted to authorized computers only.

- Public
- Private** **PG#186**
- Both Public & Private
- None of the given

Private Networks

• Organizations having many computers usually connect them in the form of private Networks Access to these networks is restricted to authorized computers only

271. Which of the following keyword is used to jump out of switch statement as soon as a match is found?

- Default
- Else
- Jump
- Break**

Switch Statement

A *switch* statement is useful for checking an expression that may have one of many values. While you can do this with an *if/else* statement or multiple *if* statements, it becomes tedious quickly. The *switch* statement executes the block of code from a case that matches the value of the expression specified after the *switch* keyword. Then, within curly brackets, each potential value to check for is listed after *case* keywords. The code to execute for each case is listed on the following lines up to the next case statement or the end of the *switch* statement. The *break* keyword is used to jump out of the switch if a match was found. Without the *break* keyword, all statements execute to the end of the *switch* after a matching case has been found. Listing 3-2 performs different actions based on a weekday variable.

272. _____ enables users located at far-way locations to easily share information with others located all over the world.

- Protocol
- Internet** PG#196
- Communication channel
- None of the given

Internet

Enables users located at far-way locations to easily share information with others located all over the world

273. Good design should assist the user in

- Getting results
- Searching
- Recovering from errors** PG#185
- Reading the information

Good designs assist the user in recovering from errors

274. In which topologies, network is not affected if one computer goes down?

- Star & Bus** PG# 188 and 189
- Bus & Ring
- Ring & Star
- None of the given

Star & Bus

If any of the nodes goes down, the rest of the network is not affected

275. Files can be downloaded or uploaded using _____ protocol

- SMTP
- FTP** **PG#185**
- TELNET
- None of the given choices

can download or upload files to a remote computer using the FTP protocol

276. There are mainly _____ types of network according to distance between the nodes.

- 2** **PG#187**
- 3
- 4
- 5

Types of Computer Networks
according to the distance between nodes

LAN: Local Area Network)

WAN: Wide Area Network)

277. In JavaScript Two of the key 'Array' methods are:

- onFocus(), count()
- onBlur(), sort()
- reverse(), sort()** **PG#178**
- reverse(), onclick()

Two of the key 'Array' methods are:

- reverse()
- sort()

278. DARPA stands for:

- Defense Advanced Research Project Agency**
- Direct Automatic Research Private Agency
- Defense Automatic Research Project Agency
- None of the given

[Click here for detail](#)

279. hotWeather =(Temperature == 40); in the above statement, the variable hotWeather id of type

- number
- string
- **Boolean**
- None of the given

*Ref:
you are evaluating a condition (temperature ==40) and result of this condition is getting stored in Hot Weather variable. This is Boolean in form
Output of evaluation of condition is in the form of true or false which is a boolean value*

Here I Try to key few lines to help you to see live (copy paste these in any test.htm) and run in browser

```
<html>
<head>
<script type="text/javascript">
function show_alert()
{
Temperature = 40;
HotWeather = (Temperature == 40);
alert(HotWeather);
}
</script>
</head>
<body>
<input type="button" onclick="show_alert()" value="Show alert box" />
</body>
</html>
```

280. Declaring variables (using the var keyword) within a function makes it:

- **Local variable** **PG#207**
- Global variable
- Abstract variable
- Parameter

Local Variables

Declaring variables (using the var keyword) within a function, makes them *local*•They are available only within the function and hold no meaning outside of it

281. _____ is used to form a connection between two separate, but similar networks.

- **Bridge** **PG#187**
- Router
- Gateway
- None of the given choices

BridgeUsed to form a connection between two separate, but similar networks

In a way, it creates an extended LAN by passing information between two or more LANs

282. _____ Network fails if a single node fails.

- **Ring** **PG#189**
- Bus
- Star
- None of the given choices

Ring :The network fails if a single node fails

283. Rule of thumb learned through trial & error is called

- **Heuristic** PG#166
- Mistake
- Common sense
- Experience

Heuristic Rule of thumb learned through trial & error

284. _____ is a special purpose computer that directs the data traffic when several paths are available.

- Bridge
- **Router** PG#187
- Gateway
- None of the given choices

Router

A special-purpose computer that directs data traffic when several paths are available

A router examines the destination info in each arriving packet and then routes it through the most efficient path available

285. NCSA stands for:

- **National Center for Supercomputing Applications** PG#197
- National Center for Supreme Applications
- National Center for Super Authority
- None of the given choices

1972 - The National Center for Supercomputing Apps. (NCSA) develops the telnet application for remote login, making it easier to connect to a remote computer

286. Heuristics are used because they

- Always give the best results
- **Mostly gives good-enough results** PG#170
- Don't give wrong results
- Are commonly used as rule of thumb

Heuristics don't always lead to the best results

At times they even lead to the wrong ones, but mostly to results that are good-enough

287. In partitioning of program/module, it should be assured that partitioned chunks should be as _____ as possible.

- Dependent
- **Independent** PG#166
- Complex
- All of the above

In partitioning, choose the chunks so that they are as independent as possible

288. The MS DOS operating system came bundled with:

- UNIVAC1
- Cray 1
- IBM PC** [Click here for detail](#)
- Altair 8800

In 1981, IBM introduced the "PC," which came bundled with MS-DOS, the first Microsoft operating system.

289. Using _____ topology, adding new nodes is difficult.

- Ring** **PG#189**
- Bus
- Star
- None of the given choices

Ring New nodes are difficult to add

290. _____ is a special purpose computer that connects and translates between networks that use different communication protocols.

- Bridge
- Router
- Gateway** **PG#187**
- None of the given choices

Gateway

A special-purpose computer that connects and translates between networks that use different communications protocols

291. First internet program was launched in:

- 1968
- 1969**
- 1970
- 1978

292. Any variable in JavaScript can hold any type of value, and the that type can change midway through the program.

- True** **PG#144**
- False

JavaScript Variables are Dynamically Typed

Any variable in JavaScript can hold any type of value, and that type can change midway through the program.

293. How many iterations would this “for” loop runs. For $(x=6000;x>0;x=x-1)\{\text{document. Write}(x);\}$

- 5900
- 6000** **PG#164**
- 6001
- None of the given

294. Which of the following are types of communication channels?

- Wire & Dedicated
- Wire & Wireless** **PG#190**
- Wireless & Remote control
- None of the given choices

Types of Communication Channels

1 . Wire

2 . Wireless

295. For interesting work with images you need _____

- SP
- JSP
- JavaScript**
- None of the above

296. Which is the protocol that is used to send and receive eMail message over TCP/IP network?

- FTP
- TCP
- telnet protocol
- SMTP** **PG#213**

SMTP: Simple Mail Transfer Protocol

A protocol used to send and receive eMail messages over a TCP/IP network

297. _____ Team is responsible for the maintenance, expansion, improvement of the infrastructure consisting of workstations, networking equipment, software & network security.

- Support** **PG#300**
- Configuration Management
- Quality Assurance
- None of the above

Support Team

Responsible for the maintenance, expansion, improvement of the infrastructure consisting of:

- Workstations, servers, printers
- Networking equipment (router, switch, hub)
- SW (OS, development SW, productivity SW, etc.)
- Network security

298. In case of _____ mode, user starts a program which computer executes with the given data and produces results without any further intervention from user.

- Batch** **PG#81**
- Interactive
- Time-Sharing
- User

Batch-mode

The user starts the program and the computer processes the provided data and produces results without any further intervention of from the user

Example: Payroll

299. Assume that we want to create a text box which is invisible from the user and should only be used to provide data to the web server. Which of the following attributes will be used to make invisible?

- Hidden**
- Invisible
- Secret
- Hide

300. Binary numbers are expressed in _____ notation

- Positional** **PG#41**
- Neutral
- Vertical
- horizontal

Binary (base 2) numbers are also expressed in the *positional notation*

301. To select a single option from multiple options we use _____ control.

- Check box
- Radio box** [Click here for detail](#)
- Text box
- None of the given

Radio Button Control

Radio buttons are used when out of many options; just one option is required to be selected. They are also created using HTML `<input>` tag but type attribute is set to radio.

302. A truth table defines the output of _____ function W.r.t the inputs

- None** **PG#44**
- Input
- Output
- Both input and output

A truth table defines the output of a logic function for all possible inputs

303. Algorithms is a_____

- Definition of problem
- **Sequence of steps to solve problem** PG#320
- Understanding of problem
- Solving a problem

Algorithm

1st Definition:

Sequence of steps that is taken to solve a problem

304. Operating system talks to and manages devices through _____.

- Application
- **Device driver** PG#66
- Utility software
- None of the above

Applications talk to devices through the OS and OS talks to and manages devices through Device Drivers

305. Computer directly understand the _____ language

- Human
- High level
- **Machine** [Click here for detail](#) also on handout PG#59
- None of the given

Machine Language

A system of codes directly understandable by a computer's CPU is termed this CPU's **native** or **machine language**. Although *machine code* may seem similar to *assembly language* they are in fact two different types of languages. Machine code is composed only of the two binary digits 0 and 1.

306. _____ Feature allows you to recover from mistakes.

- Copy
- Paste
- Cut
- **Undo** PG#225

The Best Feature: Undo

Allows you to recover from your mistakes

Allows you to experiment without risk

307. Avoid _____ to ensure readability of web page

- Overuse of bold and italics** PG#175
- Use of paragraphs
- Use of white spaces
- Use of contrast colors

Ensuring Text is Readable:

Use sans serif (e.g. Arial, Helvetica, Verdana) typefaces for display on screen

Display type intended for continuous reading at 10 to 14 points

Avoid the overuse of bold and italics

Avoid setting type in all caps

308. _____ of the following is loop statement.

- For
- While
- Do-While
- All of the given**

309. _____ is a smallest unit of data transmitted over a computer network.

- Frame
- Packet** PG#186
- Message
- None of the given choices

Packet

• The smallest unit of data transmitted over a computer network

310. Communications on the internet is controlled by a set of two protocol , named:

- HTTP & SMTP
- FTP & TELNET
- TCP & IP** PG#196
- None of the given choices

Internet Networking Protocols

Communications on the Internet is controlled by a set of two protocols: TCP and IP

TCP/IP Transmission Control Protocol/Internet Protocol

311. JavaScript is not the object based language.

- True
- False** PG#96

Script:

Is an interpreted language

Supports event-driven programming

Is object-based

312. VULMS is an example of _____ software.

- Engineering
- Entertainment
- Educational**
- Scientific

Virtual University Learning Management System (VULMS)

313. Algorithms is sequence of steps that can be taken to solve a given

- Task
- Process
- Problem** PG#99
- All of the given

Algorithm:

Sequence of steps that can be taken to solve a given problem

314. Decision support systems are also called _____.

- Operating system
- Expert system** PG#83
- ERP system
- None of the above

DSS (Decision Support Systems) SW

Sometimes also called "expert systems"

315. _____ is database management software.

- MS Access** PG#262 [Click here for detail](#)
- MS Word
- MS Excel
- MS Paint

316. Scheduling is performed by _____ of operating system

- Device driver
- Kernel** PG#67
- Application program
- None of the given

Kernel

The heart of the OS

Responsible for all the essential operations like basic house keeping, task scheduling, etc.

Also contains low-level HW interfaces

Size important, as it is memory-resident

317. Consider the statement: “window. alert(“message”);”

- It is syntax Error
- It will cause a dialog box to be appeared**
- Syntax is correct, but will compile with a warning
- It will cause the “Message” to be copied to memory

318. The code in the _____ portion is the right choice for developing larger JavaScript’s

- Body
- At End
- Head** **PG#245**
- separate

The “code in the HEAD portion” is the right choice for developing larger JavaScript scripts

It makes the code easier to read

It allows the reuse of a function for multiple event handlers

319. In _____ automatic machines perform various tasks that were previously performed by human.

- Fuzzy Logic
- Robotics** **PG#244**
- Rule based system
- None of these

Robotics: Automatic machines that perform various tasks that were previously done by humans

Example:

Pilot-less combat airplanes

Land-mine hunters

Autonomous vacuum-cleaners

Components: Body structure, actuators, power-source, sensors, controller (the AI-based part)

320. The E-mail client sends message to :

- e-mail client
- SMTP server** **PG#213**
- POP3 server
- All of the given choices

SMTP: Simple Mail Transfer Protocol

A protocol used to send and receive eMail messages over a TCP/IP network

321. Color mapping scheme reduce 2.25 MB graphics into _____ MB.

- 0.90 MB
- 0.75 MB** **PG#236**
- MB
- 0.5 MB

Each value, from 0 to 255, is mapped to a selected RGB color through a table, reducing the size of a 2.25MB graphic to 0.75MB

322. Using _____, a user can remotely log on to a computer (connected to the user through a network, e.g. internet) & have control over it like a local user, including control over running various programs?

- FTP
- TCP
- Telnet Protocol** **PG#234**
- None of the given choices

Telnet Protocol:

Using Telnet, a user can remotely log on to a computer (connected to the user's through a TCP/IP network, e.g. Internet) & have control over it like a local user, including control over running various programs

323. _____ executes the specified JavaScript code when a window loses focus or a form element loses focus

- OnBlur** **PG#230**
- onFocus
- onLoad
- onUnload

onBlur executes the specified JavaScript code when a window loses focus or a form element loses focus

324. Which protocol is used for receiving E-mail message?

- FTP
- POP** **PG#212**
- Telnet Protocol
- SMTP

POP3: Post Office Protocol

A protocol used for receiving eMail messages

325. A user may access any item on the web through a _____

- HTTP
- SMPT
- URL** **PG#211**
- None of the these

A user may access any item on the Web through a URL, e.g. <http://www.vu.edu.pk/cs/index.html>

326. In JavaScript every user-defined function must be written between _____ tag-set

- <JAVASCRIPT> </JAVASCRIPT>
- <SCRIPT> </SCRIPT>**
- <FUNCTION> </FUNCTION>
- <CODE> </CODE >

327. A combination of _____ and _____ is called Desktop Publishing.

- Word processing , graphics design** **PG#88**
- Word processing , spreadsheets
- spreadsheets, graphics design
- none of the above

Desktop Publishing (DTP)

A combination of word processing and graphic design. Used to develop elegant documents

328. HTML document allows including the web programming language code into itself.

- True**
- False

329. Decimal numbers system consist of _____ symbols

- 16
- 8
- 10** **PG#39**
- none

DECIMAL (BASE 10) numbers

Decimal (base 10) number system consists of 10 symbols or digits

330. A user plug in sound card in computer, _____ is required so that the sound card can perform its tasks.

- Hardware
- Device driver**
- Application driver
- Compiler

Drivers are software's which are necessary for a device to function properly, for example, Sound Card drivers etc

331. _____ helps in finding synonyms as well as antonyms Word Processors

- Tables
- Thesaurus** **PG#89**
- Spelling & Grammar
- Word count

Thesaurus

My favorite tool Helps you find synonyms and, sometimes, antonyms as well

332. Boolean variables can only have _____ values

- Hexa
- Decimal
- Binary** PG#43
- Both Hexa & Decimal

Boolean Logic Operations

Let x, y, z be Boolean variables. Boolean variables can only have binary values i.e., they can have values which are either 0 or 1.

333. _____ performs all the controlling and management activities in a computer.

- Hardware
- Application software
- MS Word
- Operating system** [Click here for detail](#)

The Central Processing Unit (CPU)

Often referred to as the “brain” of the computer.

Responsible for controlling all activities of the computer system

334. Assume that we want the text | save| to appear on a button, which attribute of the INPUT tag will be used to do that?

- Write
- Name
- Value** PG#75
- Type

```
<input type="submit" name="login" value="Log me in">
```

Log me in

335. Disk operating system is _____ operating system

- Menu driven
- Graphical user interface
- Command driven**
- None of the given

MS-DOS is inherently a command driven interface but applications running in that environment can provide a GUI interface.

336. Objects are modified with _____ that are associated with that object.

- Properties
- Events
- Methods** PG # 130
- Operators

337. The “Ockham’s Razor,” principle states that when choosing among competing, successful solutions to a problem; choose the one which is the least _____

- Time Consuming
- Ambiguous
- Complex**
- Restricted

PG#101

338. JavaScript can be used along with HTML to _____.

- style the Web
- secure the web page
- make content interactive**
- color the web page

JavaScript can be used (along with HTML) to develop interactive content for the Web

339. Which one is the example of spreadsheet software?

- MS Word
- MS PowerPoint
- MS Excel**
- MS Access

Excel is an electronic spreadsheet program that can be used for storing, organizing and manipulating data.

340. Fuzzy logic is based on _____.

- Ground facts
- Experience
- Practice
- Approximation**

PG#251

Fuzzy Logic (1):

Based on the principles of the approximate reasoning faculty that humans use when faced with linguistic ambiguity

Note: Give me a feedback and your Suggestion also If you find any mistake in mcqz plz inform me Via Contact us Page on our Site. And tell me your answer with references.

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*Winning is not everything,
but wanting to win is
everything.....
Go Ahead..... Best Of Luck !*