**CS101-FINAL TERM SOLVED PAPPER 2014**
**BY ARSLAN ARSHAD (ZAIN NASAR)**
**Solved MCQS**
**From Midterm and Final term Papers and also from daily based quizzes(1 to 45 lectures)**

**SEPT 21,2014**

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

**FINALTERM  EXAMINATION**
**Spring 2014**

Q1#: Combining the "fuzzy rules" is done by the technique(s).

- o  MAX-MAX

- o  MAX-MIN

- o  MIN-MAX      PG # 242

- o  Both MIN-MAX and MAX-MIN

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

Q2#: A set of software that handle all database related operations of an organization is called _____.

- o  Database management system

- o  Database design system

- o  Database access system

- o  Content management system

Q3#: Every phase of the project development require reporting on completion. When a developer completes his/her assigned module, he has to report to the_____.

- o  Team Lead

- o  Project Manager

- o  CEO

- o  IT Manager

Q4#: LCD display screens provide_____ display.

- o  1 dimensional

- o  2 dimensional       PG#305

- o  3 dimensional

- o  4 dimensional

Like CRT monitors, LCDs are 2-D displays

Q5#: A Home page is a part of a _____.

- o  Terminal

- o  Web site   PG#18

- o  Browser

- o  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.

Q6#: Which of the following is a true statement?

- o Flat-file storage is better than tabular storage.

- o Tabular storage is better than flat-file storage.    PG#257

- o Flat-file storage is better than relational storage.

- o Tabular storage is better than relational storage.

Tabular storage is better than flat-file storage

Q7#: What will be the output of the statements given below?
country="Hello Pakistan";
docurnentwrite (country.charAt (6));

- o Blank Space

- o p

- o a

- o k

Q8#: Which of the following is not true for JavaScript?

- o Scripting Language

- o Case Sensitive Language

- o Object Based Language

- o 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

Q9#: Which of the following symbol is used in JavaScript to add multiple line comments in a program?

- o  /

- o  //

- o  /*      PG#149

- o  //*

Multi-line comments
/* Author: Bhola
Creation Date: 24 March 2003 */


Q10#: In an IP address, there are four set of numbers which are separated by periods.

- o  12-bit

- o  16-bit

- o  32-bit

- o  8-bit        PG#210

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

Q11#: Today's fastest computer can do of calculations in a second.

- o  Thousands

- o  Billions

- o  Trillions

- o  Millions

Q12#: If the calling function is a part of a JavaScript statement then the definition of this function will must have the_____ Statement.

- o Break

- o Terminate

- o return

- o Switch

Q13#: The organizations using the network organizational model have _____structure.

- o Simple

- o Complex

- o Flexible

- o Accurate

Q14#: In Relational Database table columns are called_____.

- o Records

- o Values

- o Fields        Click here for detail

- o 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*).

Q15#: To store rounded number of 8.6 in a variable called "r__number", We write _____.

- o r_number=Maths.round(8. 6);

- o r_numbers=Maths.rounds(8. 6);

- o r_number=Math.rounds(8. 6);

- o 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)

Q16#: _____refers to DoS attack.

- o Overburdening of the system   Click here for detail

- o Theft of data

- o Corruption of data

- o 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

دنیا میں سب سے مشکل کام اپنی اصلاح اور سب سے آسان کام دوسروں پر نکتہ چینی کرنا ہے

Q17#: JavaScript's response against the user-initiated events is called_____.

- o Object detection

- o Boolean logic

- o Opacity setting

- o Event handling          click here for detail

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

Q18#: Which of the following is not an Operating System?

- o DOS

- o Windows XP

- o Linux

- o MS Access      click here for detail

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

Q19#: Complex Software development process requires the developers to follow some specific set of rules and guidelines which can be termed as

- o Object Oriented Software

- o Design Methodology       PG#131

- o Programming Language

- o Object Based Design

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

Q21#: Graphics creation in JavaScript is_____.

- o Easy

- o Difficult

- o Simple

- o Not Possible      PG#246

Q22#: The floppy disk was introduced in the market by_____.

- o Hewlett Packard

- o IBM

- o Intel

- o Yoshiro Nakamats     PG#14

Q23#: By studying the history of spreadsheet software, we come to know that _____was the first spreadsheet Software.

- o MS Excel

- o penOfiice.org Calc

- o LibreOffice Calc

- o VisiCalc     PG#83

Q24#: Which of the following cannot be considered as a property of image object:

- o hspace

- o height

- o onLoad    PG#286

- o lowsrc

<mark>Image Properties: name, border, complete, height, width, hspace, vspace, lowsrc, src</mark>

Q25#: A website resides over_____

- o PDA

- o WWW

- o Browser

- o CPU

Q26#: The_____ has considerably changed the way of marketing forever, redirecting it from a mass Focus to a single person focus.

- o Television

- o Web    PG#281

- o Mobile

- o Radio

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

Q27#: A software on a user's computer, acting as an interface between the user and internet is called as a_____.

- o Browser
- o PowerBuilder
- o Front Page
- o 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.

Q28#: Software Development Process involves working of different teams but _____team has its Major contribution in a project after the designing phase.

- o QA
- o Architect
- o Development
- o HR

Q29#: Client is the basic entity in software development. It is the responsibility _____of to manage the client's matters.

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

Q30#: Notepad is an example of_____

- o  System Software

- o  Application Software

- o  Device Driver

- o  Kernal

Q31#: Which of the following is not a peripheral device for a computer?

- o  USB

- o  Printer

- o  Scanner

- o  Power Supply Unit      Click here for detail

Q32#: There are some primary colors which are the base of other colors. Select which of the following is not a primary
Color.

- o  Red

- o  Blue

- o  Yellow     PG#235

- o  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

Q33#: Concatenate Operator in JavaScript is used to _____elements.

- o Subtract

- o Multiply

- o Join

- o Add

Q34#: Computer display is composed of a regular grid of

- o bits

- o bytes

- o sectors

- o pixels     PG#235

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

Q35#: _____is a container that holds a single value.

- o Array

- o Variable     PG#199

- o Function

- o Set

A variable is a container that holds a value

Q36#: Today' computers are based on the technology of _____.

- o   Punch cards

- o   Vacuum tubes

- o   <span style="color:red">Transistors</span>

- o   Resistors

Q37#: The memory size of the Altair 8800 was

- o   128 bytes

- o   <span style="color:red">256 bytes</span>

- o   128 Kilo bytes

- o   256 Kilo bytes

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

Q38#: Unlike virus, _____is called stand-alone program.

- o   <span style="color:red">Trojan horse      PG#278</span>

- o   logic bomb

- o   Worm

- o   time bomb

<mark>**Trojan Horses**</mark>
   <mark>• Unlike viruses, they are stand-alone programs</mark>

Q39#: _____wait for some time and then launch a function

- o Timeout( )

- o setTimeout( )  PG#290

- o setTime( )

- o setTimeIn( )

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

Q40#: Planning and tracking of the project is the responsibility of the_____.

- o Project Manager    PG#296

- o Architect

- o Developer

- o Chief Executive Officer

**Project Manager**
**• Responsibilities:**
– Planning and tracking of the project
– Arranging of the appropriate resources
– Client relationship management

کسی انسان کی خوبی کو پہچانوں اور اسے بیان کرو،لیکن اگر کسی کی
خامی مل جائے تو یہاں تمہاری خوبی کا امتحان ہے۔
فرمان حضرت علیؓ

Q41#: _____team is responsible for a project after the specification's stage till the very end.

- o Executive

- o Architect

- o Development     PG#296

- o 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

Q42#: Client relationship management is the responsibility of _____.

- o Team Lead

- o Project Manager     PG#296

- o Developer

- o Quality Assurance Expert

**Project Manager**
- **Responsibilities:**
– Planning and tracking of the project
– Arranging of the appropriate resources
– Client relationship management

کسی سے نیکی کرتے وقت برے کی توقع نہ رکھو
کیونکہ اچھائی کا بدلہ انسان نہیں انسان نہیں اللہ دیتا ہے
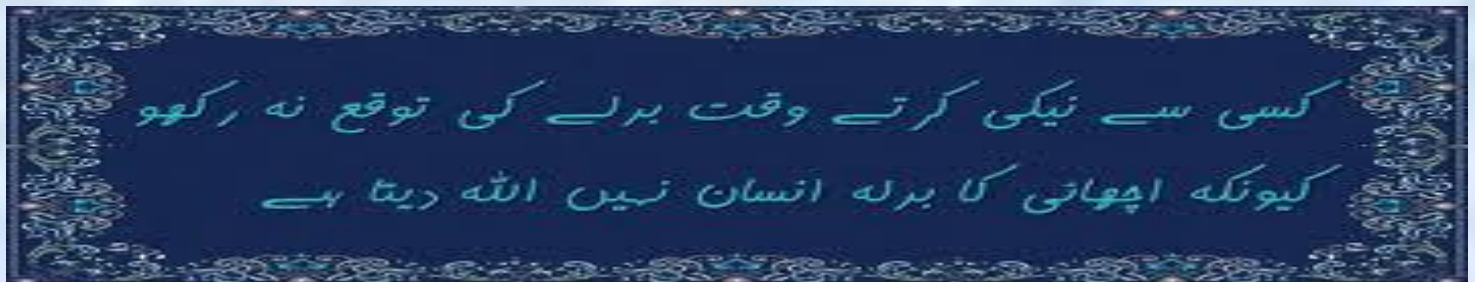
Q43#: Name, Border, Source are the_____ of the image object.

- ○ Event Handler

- ○ Properties    PG#286

- ○ Methods

- ○ none of the given options

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

Q44#: 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

**FINALTERM  EXAMINATION**
**Spring 2013**

Q45: Which of the following is not a type of page margin in MS Word?

- ○ Left

- ○ Right

- ○ Center    Click here for detail

- ○ Top

**Q46:** Command which saves the selected text before deleting is_____.

- o   Copy
- o   Delete
- o   Cut
- o   undo

**Q47:** Select the best option to create and edit the HTML pages.

- o   Ms Paint, adobe Photoshop
- o   Notepad, Ms Front page
- o   Netscape, Monzilla
- o   Ms excel, Ms outlook

**Q48:** how many bits are there in one byte?

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

Byte = 8 bits

**Q49:** _____ is the essential property of every JavaScript object.

- o  Color
- o  Width
- o  Name
- o  Size      PG#142

**Q50:** which one of the following is the correct code syntax in JavaScript?

- o  SetTimeout()
- o  settimeout()
- o  setTimeout()      PG#290
- o  SettimeOut()

**Q51:** _____ is a programming language which was specifically designed to develop business applications.

- o  BASIC
- o  FORTRAN
- o  COBAL   Click here for detail
- o  Perl

**Q52:** _____Converts the source code written in high level language into machine language.

- o Utilities

- o Drivers

- o **Language Translator**      **PG#59**

- o 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

**Q53:** _____tells the capacity of any array in terms of storing values.

- o Index

- o **Length**     **PG#178**

- o Type

- o Name

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

وقت اور دولت 2 ایسی چیزیں ہیں جو انسان کے
اختیار میں نہیں،
وقت انسان کو مجبور اور دولت مغرور بنا دیتی ہے.
حضرت علی ۔رضی اللہ تعالٰی عنہ
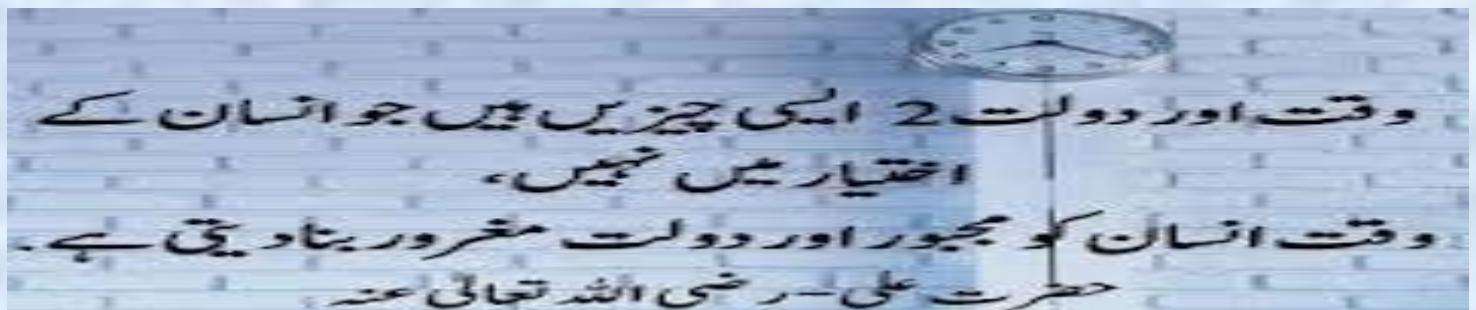
**Q54:** If you want to assign an IP address to your computer, you can use any number from in each part of IP address.

- o 1 to 255

- o 0 to 255    PG#210

- o 0 to 256

- o 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

**Q55:** select the best characteristic of telnet.

- o It is used to send email

- o It is used to login remotely    PG#211

- o It is receive to email

- o 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

**Q56:** _____ provides the facility of searching and downloading the new e-mail messages to an e-mail client.

- o HTTP

- o POP3     PG#213

- o TCP

- o FTP

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

**Q57:** which of the following is the instant Message service available on the internet**?**

- o HTTP

- o IE

- o AIM     PG#235

- o 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

**Q58:** Which event handler executes the specified JavaScript code when a window / form element loses focus?

- o onLoad

- o onUnload

- o onBlur    PG#245

- o onFocus

<mark>onBlur executes the specified JavaScript code when a window loses focus or a form element loses focus</mark>

**Q59:** _____ can be used in JavaScript to open multiple popup Windows when a particular web page is opened.

- o onAbort

- o onchange

- o onLoad      PG#232

- o onUnload

<mark>onLoad can be used to open multiple Windows when a particular document is opened</mark>

**Q60:** For good presentation and better visibility of text, we should use _____ background color in each slide.

- o Light

- o Dark    PG#222

- o Faded

- o Transparent

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

**Q61:** If one operand of "+operator "is a string and the other one is a non string, then JavaScript.

- o Produce an error message

- o Converts the non string to string

- o Concatenates the string and non string

- o 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

**Q62:** JavaScript fixed() function has equivalent HTML tag-set _____._____.

- o <P>………..</P>

- o <U…………..</U>

- o <PRE>………..</PRE>     PG#270

- o <H>……………<H/>

fixed( ) <PRE> … </PRE>

**Q63:** There are some primary colors which are the base of other colors. Select which of the following is not a primary color.

- o Red

- o Blue

- o Yellow     PG #235

- o 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

**Q64:**_____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.

- o Event called programs

- o Event processed programs

- o Event driven programs

- o 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.

**Q65:** In the early days _____ were used to store data.

- o Access files

- o Database files

- o Flat files        PG#260

- o Excel files

**In the very, very old days …**
• Even large amounts of data was stored in text files, known as *flat-file databases*

**Q66:** In the context of intelligent systems, softbots is also termed as _____.

- o  Mobile phone

- o  Autonomous web agent      PG#244

- o  Any wireless device

- o  SIM card

**Autonomous Web Agents:**
Also known as mobile agents, softbots

**Q67:** Working of any system depends upon its various components. Which component, a Rule Based system (intelligent system) would not have?

- o  Rule interpreter

- o  Rule compiler      PG#242

- o  Rulebase

- o  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

Q68: Using a software without the author's permission is called

- Ip spoofing
- Software privacy     PG#276
- Mail bombing
- DoS Attack

Q69: 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

**Q70:** We know a virus is a combination of two parts, _____.

- o  Header and payload

- o  Payload and data

- o  Header and transmission mechanism

- o  Payload and transmission mechanism      PG#277

**Q71:** For creating 2-d animations,____will be the more appropriate choice.

- o  Flash

- o  HTML image class

- o  Web Browser

- o  HTML 2D Class

**Q72:** Which attribute of the image tag in HTML is used to mention the source of an image?

- o  Source

- o  Path

- o  Src  PG#285

- o  Loc

**Q73:** The task performed to determine the existence of defects in a program is called _____.

- o Bug fixing

- o Debugging

- o Testing        PG#311

- o Defect killing

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

**Q74:** There are _____types of errors in a program.

- o 1

- o 2

- o 3     PG#312

- o 4

**Types of Errors**
• Syntax errors
• Semantic errors
• Run-time errors

**Q75:** The information technology has three core areas _____ .

- Telecom engineering, electrical engineering, computer science
- Telecom engineering, computer engineering, computer science   PG#295
- Telecom engineering, computer engineering, database engineering,
- Telecom engineering, computer engineering, hardware engineering,

Information technology
Telecom Engineering

Computer Engineering

Computer Science

**Q76:** _____ routes the packets the through the internet to go to their destination.

- Telnet
- TCP
- IP     pg#317
- NIC

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

**Q77:** 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   Click here for detail
- plotter

**Q78:** Which one of the following will not be considered as the use of word processor?

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

**Q79:** Complex software development process requires the developers to follow some specific guidelines which can be termed as_____.

- o Object Oriented software
- o Design Methodology      PG#131
- o Programming language
- o Object Based Design

**Q80:** Highest bandwidth of channel can be up to:

- o Tb/s      PG#190
- o Kb/s
- o Mb/s
- o Gb/s

**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)

**Q81:** By the history of spreadsheet software, we come to know that_____ was the first spreadsheet software.

- o Ms Excel

- o OpenOffice.org Calc

- o libreOffice  Calc

- o VisiCalc     PG#83

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

**Q82:** 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.

- o Run time

- o Syntax

- o Semantic  click here   PG#312(click here to see semantic is also called logic error  )

- o 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.

**Q83:** The program which was first computed on world's first computer was:

- o Simple sequence

- o Multiple sequence

- o Bernoulli's sequence    PG#9

- o Increasing sequence

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

**Q84:** RAM stand for:

- o Real alter memory

- o Random associated memory

- o Random access memory     PG#24

- o Real associated memory

RAM
RAM (random access memory)

**Q85:** The world first communication network was:

- o WAN

- o ARPANET     Click here for detail

- o Intranet

- o 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.

**Q86:** HTML stands for . . .

- o Hyper Transfer Markup Language

- o Hyper Text Makeup Language

- o Hyper Text Markup Language    PG#28

- o Hyper Transfer Making Language

**HTML**
**Hyper Text Markup Language**

**Q87:** Information available on the web is:

- o Mostly free of cost    [Click here for detail]
- o Costly
- o Totally
- o Not accessible at all

information sources on the web, available free of charge

**Q88:** SCSI stands for:

- o Small computer system interface    PG#28
- o System common small integration
- o Silicon computer system interface
- o None of the given choice

SCSI

Small Computer System Interface.

**Q89:** In HTML, which tag  is used for the highest level heading?

- o <h5> </h5>
- o <h2> </h2>
- o <h1> </h1>    [Click here for detail]
- o <title> </title>

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

**Q90:** Integrated circuit can be classified into

- o  Analog

- o  Digital

- o  Both      PG#31

- o  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).

**Q91:** _____ has slots to contain the different PCI cards

- o  Memory Bus

- o  System Bus

- o  Mother Board     PG#27

- o  CPU

The slot on the motherboard

**Q92:** ENIAC was the first _____ computer.

- o  Large-Scale

- o  General-Purpose

- o  Electronic

- o  All of the given choice

**Q93:** Attribute/Attributes of the good application software is are:

- o  Easy to install

- o  User interface

- o  Consistent

- o  All of the above    PG#85

**Q94:** _____ interact directly with the user.

- o  Device drivers

- o  System software

- o  Application software      PG#85

- o  Kernel

**Q95:** Which of the following not a flow chart element?

- o Off-frame connector    PG#105
- o Input or output
- o Process
- o connector
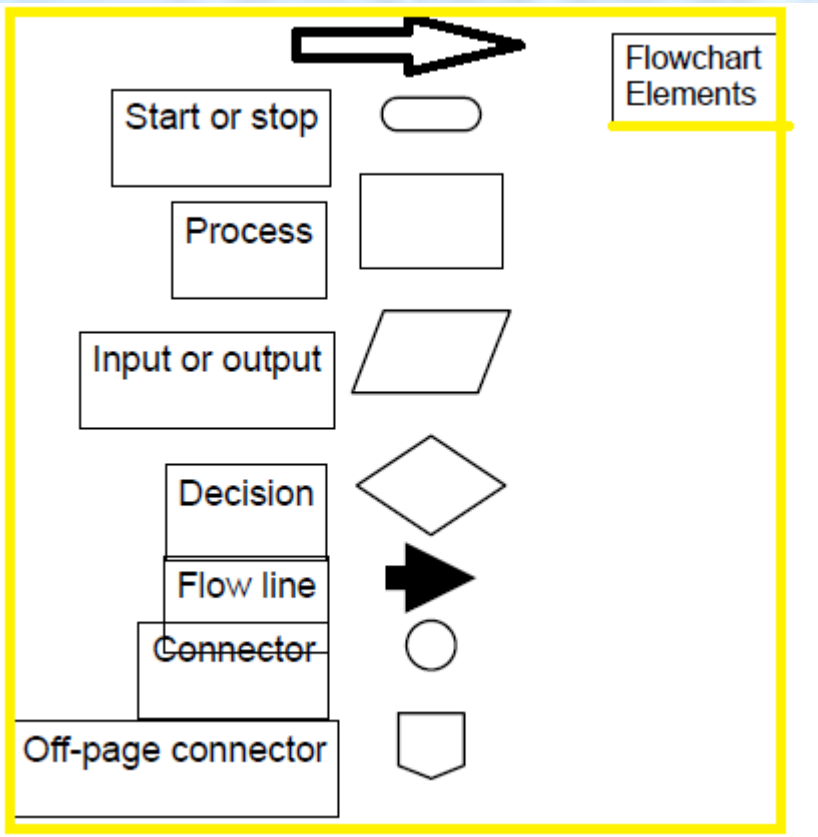


| Flowchart Elements | |
|---|---|
| Start or stop | ⬭ |
| Process | ▭ |
| Input or output | ▱ |
| Decision | ◇ |
| Flow line | ▶ |
| Connector | ○ |
| Off-page connector | ⬠ |

**Q96:** Detail plan of SW life cycle specifies two things that are the _____

- o Requires resources and expected cost

- o Expected cost and budget

- o Required resources and expected deliverables   PG#136

- o Time and cost

Detailed plan specifying the required resources and expected deliverables

**Q97:** In _____, a system is designed by fitting together a collection of independent and self-contained components.

- o Structured design

- o Component design

- o Object oriented design     PG#131

- o None of above

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

جو شخص یہ پاتا ہے کہ اس کی زندگی کامیابی سے بسر ہوئے ہہ ہو اپنے باپ کے بعد اس کے دوستوں سے نیک سلوک کرے!!!

حضرت عمر فاروقؓ

**Q98:** Core tasks of an OS are:

- o Processor management

- o User interface

- o Storage management

- o All of the given     PG#65

**Core Tasks of an OS**
Processor management
Memory management
Device management
Storage management
Application Interface
User Interface

**Q99:** Linux is _____ type of operating system

- o Single user

- o Multi user

- o Distributed

- o None of the given

گفتگو ایسی چیز ہے۔
جسکی وجہ سے انسان یا تو دل میں اتر جاتا ہے یا پھر دل سے اتر جاتا ہے۔

**Q100:** Algorithm is a precise sequence of limited number of _____ , _____ steps that

terminates in the form of a solution

- o Ambiguous, Executable

- o Nondeterministic, Finite

- o Finite, countable

- o Unambiguous, executable   PG#100

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


# 2011 t0 2014 Sessions Daily Base Quizzes

**Q101:** Decompose the problem into subsystem and define their relationships is done in _____

phase.


- o User requirement     PG#137

- o Planning

- o Integration testing

- o Detailed design

**Architecture: Decompose the problem into
subsystems and define their relationships**

**Q102:** Which attribute/attributes will we use to limit the capacity of text box to 20 characters?

- o Maxlength="20"  PG#74

- o Length="20"

- o Size="20"

- o All of the above

**Q103:** _____ is a type of computer-to-computer messaging.

- o TCP

- o Telnet

- o E-mail     PG#213

- o FTP

**Q104:** Suppose you are the presenter and you want audience in touch during presentation then what will you do?

- o Write long sentences on slides

- o Keep same color for the background and text

- o Use of videos , animation and sounds

- o Using very small font size

**Q105:** Whenever a contact in our list comes online, who informs us through an alert message and by playing a sound?

- o IM server
- o IM client    PG#215
- o Client
- o Server

**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

**Q106:** One can run program on a remote computer using the _____ protocol.

- o SMTP
- o TELENET    PG#185
- o FTP
- o None of the given choices

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

**Q107:** Arguments values are passed to the function _____

- o By value
- o By reference
- o Both a & b    PG#201
- o None of the given

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

**Q108:** _____ Loop is flow control statement that allows code to be executed repeatedly based on a given Boolean condition.

- o For
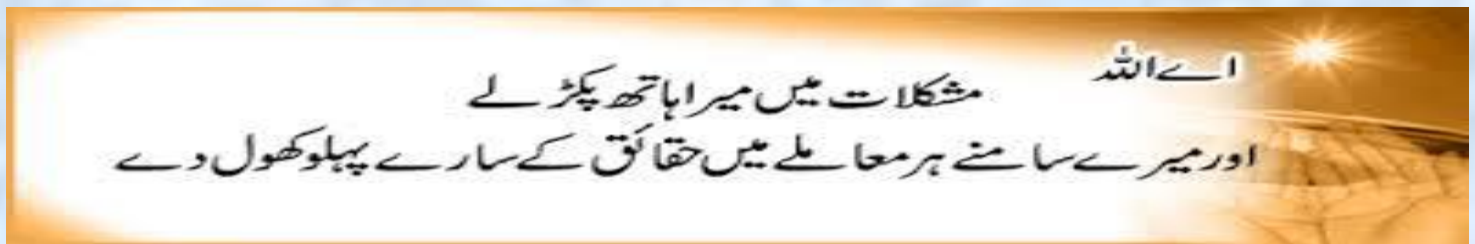- o Do-While
- o If-else
- o While        [Click here for detail](#)

**Q109:** Two or more computers connected together so that they can share information and resources are termed as:

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

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

**Q110:** In _____ TCP\IP protocols became the only set of protocols used on the ARPANET.

- o 1973

- o 1983    PG#196

- o 1972

- o None

<mark>1983 - The TCP/IP protocols becomes the only set of protocols used on the ARPANET</mark>
<mark>This sets a standard</mark>

**Q111:** In 1983, which protocols became the only set of protocols used on the ARPANET?

- o UDP/IP

- o TCP/IP    PG#196

<mark>1983 - The TCP/IP protocols becomes the only set of protocols used on the ARPANET</mark>
<mark>This sets a standard</mark>

معاشرہ پر تمہارا اس سے بڑا احسان اور
کوئی نہیں ہو گا کہ تم خود سنور جاؤ۔

**Q112:** SMTP stands for _____.

- o Simple Mail Transfer Protocol    PG#213

- o Simple Mail Transparent Protocol

- o Simple Mail Transfer Paradigm

- o None of these

**SMTP: Simple Mail Transfer Protocol**
A protocol used to send and receive eMail messages over a TCP/IP network

**Q113:** The system that manages relational database  is called

- o Database Management System

- o Data Management System

- o Relational Database Management System

- o Flat-File System

**Q114:** One of the disadvantages of working at home is _____

- o Family life may be happier because of living at home

- o Family life may suffer as well , as some never turn off , and keep on working through out the day, evening an night

- o Family life may happier because he can give more time to his family.

- o There is no disadvantage of working at home.

**Q115:** Network Organization _____ so that network organization works effectively to meet the business goals the organization.

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

**Q116:** Infection propagation and Actual destructive are the components of _____

- o Transmission mechanism
- o Payload    PG#277
- o Worms
- o 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

پردہ عورت کے چہرے پر ہوتا ہے

اگر چہرے پر نہیں

تو سمجھ لو کہ اُس کی عقل پر ضرور ہے

**Q117:** When web server is busy it gives a message to user _____

- o  Time out

- o  Waiting

- o  Server Busy

- o  Server Unavailable

**Q118:** _____ provides software tools needed to organize & manipulate the data in a flexible

manner.

- o  Data Base

- o  DBMS      PG#254

- o  Data Mining

- o  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

**Q119:** A property that gives the values of Pi is:

- o PI()

- o Graph. PI

- o Math.PI    PG#248

- o Math.PI()

**Q120:** There are _____ popular schemes to reduce the number of bytes that are required for

storing graphics.

- o 4

- o 3

- o 2    PG#235

- o None of these

**Q121:** 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*

**Q122:** COO stands for

- Chief operational office

- Chief operating officer    PG #298

- Chief operational order

- None of the above

COO – Chief Operating Officer

**Q123:** 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.

**Q124:** 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

**Q125:** 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)

دنیا میں سب سے مشکل کام اپنی اصلاح اور سب سے آسان کام دوسروں پر نکتہ چینی کرنا ہے

**Q126:** Events can be captured in the HTML code, and then directed to a JavaScript _____ for an appropriate response

- o BODY TAG   PG#228

- o HANDLER

- o FUNCTION

- o EVENT

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

**Q127:** The cyberwarefare is a _____

- o Crime

- o War

- o Software

- o Game

**Q128:** The message is prepared using:

- o e-mail client   PG#213

- o SMTP server

- o POP3 server

- o All of the given choices

The message is prepared using the eMail client

**Q129:** Which of the following is used to attain something productive as opposed to games or entertainment software's?

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

**Q130:** Programs(s) used for writing, sending, receiving, and displaying E-mail message are:

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

**eMail Clients**
Programs used for writing, sending, receiving, and displaying eMail messages
Examples: Outlook, Communicator, Hotmail, YahooMail

**Q131:** 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

Q132:What would be the html code for the given display: 1.circle 2.square

-    &lt;ul start = "1"&gt;

  &lt;L1&gt; circle &lt;/L1&gt;

  &lt;L1&gt; square&lt;/L1&gt;

-    &lt;ol&gt;

  &lt;L1&gt; circle&lt;/L1&gt;

  &lt;L1&gt; square&lt;L1&gt;      PG#52

-    &lt;ul &gt;

  &lt;L1&gt; circle&lt;/L1&gt;

  &lt;L1&gt; square&lt;/L1&gt;

-    &lt;ol begin = "1"&gt;

  &lt;L1&gt; circle &lt;/L1&gt;

  &lt;L1&gt; square &lt;/L1&gt;

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

**Q133:** Which of the following can NOT be contained in interactive forms?

- o Text box

- o Check box

- o For loop    PG#69

- o Radio button

**Q134:** Vector graphics are also called Raster graphics.

- o True

- o False

**Q135:**_____ can store both data and addresses.

- o Data registers

- o Vector Registers

- o General Purpose Registers   PG#35

- o Special purpose Registers

**General Purpose registers** can store both data and addresses.

Q136:For writing a letter we can use _____

- o  MS Paint

- o  MS Word     PG#62

- o  MS Excel

- o  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

Q137:Digital computers possess two natural states _____ and _____

- o  On & on

- o  On & off    PG#42

- o  Off  & off

- o  None

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

Q138: Which of the following are an essential HTML tags required in all web pages.

- o  <HTML>,<BODY>,<HEADING>

- o  <HTML>,<HEAD>,<H1>

- o  <HTML>,<HEAD>,<BODY>

- o  <HTML>,<HEAD>,<BODY>,<HEADING>

Q139: 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

Q140: 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.

ایماندار کو غصہ دیر سے آتا ہے اور جلدی دور ہو جاتا ہے

**Q141:** Which one of the following web programing languages is used to do client-side scripting?

- ○ ASP

- ○ Server Side JavaScript

- ○ PHP

- ○ VBScript      PG#95

**Q142:** Microphone is an example of . . . . . . . . . devices

- ○ Output

- ○ Input          PG#23

- ○ Storage

- ○ None of the above

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

**Q143:** Which one of the statement is true about JavaScript language?

- ○ JavaScript is an interpreted language

- ○ JavaScript supports event-driven programing

- ○ JavaScript is object-based

- ○ All of the given      PG#96

JavaScript:
Is an interpreted language
Supports event-driven programming
Is object-based

Q144:_____ Cache memory placed on a separate chip from microprocessor.

- o  L1

- o  L2          PG#34

- o  Both

- o  None of the above

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

Q145:The best strategy used for complex Boolean operation is called  . . . . . . .

- o  Brute-force

- o  Greedy Algorithm

- o  Divide and conquer          PG#45

- o  None of the above

Q146: Given the HTML code. <A HREF="mailto:ahsan@vu.edu.pk">ahsan@vu.edu.pk</A>

My email. Read the code carefully and tell what output browser will generate?

- o  ahsan@vu.edu.pk

- o  ahasn@vu.edu.pk

- o  my email ahasn@vu.edu.pk

- o  none of the given choices

زندگی میں کامیابی کا یہی راز ہے کہ پریشانیوں سے پریشان مت بنو

**Q147:** Which of the following is not an example of DTP (Desktop Publishing)?

- ○ Adobe PageMaker

- ○ Corel Ventura

- ○ MS Publisher

- ○ <span style="color:red">MS Word    PG#88</span>

**DTP: Requirements**
High-end PC with a large-screen monitor
Laser printer
Scanner
DTP SW
Examples:
Adobe PageMaker
QuarkXPress
Corel Ventura
MS Publisher

**Q148:** An HTML document is develop in a plain-text editor called . . . . . . . .

- ○ Nopade

- ○ <span style="color:red">Notepad    PG#83</span>

- ○ 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

جھوٹ انسان اور ایمان دونوں کا دشمن ہے

Q149: _____ is used for amplification, and has three terminals.

    o  Resister

    o  Diode

    o  Transistor   PG#32

    o  Capacitor

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

Q150: ROWSPAN is used to extend the current cell to some

    o  Columns

    o  Rows

    o  Both a & b

    o  None of the given

ROWSPAN
The number of columns the current cell should extend itself
Example: <TD ROWSPAN = "5">

Q151: When the if statement consist more than one statement then enclosing these statement in curly braces is,

Not required

Good programing

Relevant

Must

Q152: JavaScript treats everything which it manipulates as _____.

- Object    PG#96
- Method
- Window
- Text

Q153: Trialware software are used for

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

Q154: The process that can be used to solve a problem is termed as the _____

- Use case
- Protocol
- Algorithm     PG#99
- Flow Diagram

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

Q155: _____ is an example of BIT-mapped type of Graphics & Animation software.

- o MS Visio

- o MS Paint     PG#82

- o Corel Draw

- o Flash

**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
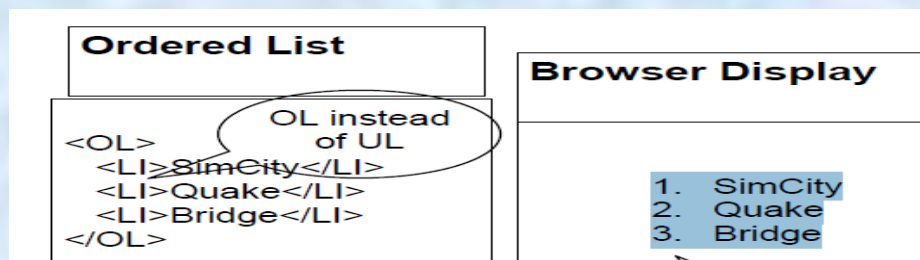Changing the resolution often requires considerable touch-up work
Relatively large file size
Example: MS Paint, Adobe Photoshop

Q156: If we want to show numbers with list items, then we use

- o <UL>

- o <OL>   PG#53

- o <DL>

- o None of the given

In ordered list show numbers with list items



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**Q157**: To select multiple options in a list we use _____ control.

- o Radio button

- o Check box

- o Selection list

- o Ordered list

**Q158**: Without _____, a web site is read only.

- o Form     PG#69

- o Dialog box

- o Button

- o 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

**Q159**: Choose the correct html to left-align the content inside a table cell:

- o <tdleft>

- o <td align = |left|>

- o <td valign = |left|>

- o <td leftalign>

Q160: Rules and regulations to communication in a network is called:

- o LAN

- o Protocol    PG#185

- o Hub

- o None of the given choices

**Protocol**
–Rules governing communications over the network

Q161: The heuristic| programmers deliver the same number of Line of code| suggest that programmer

should use

- o The highest level language    PG#169

- o The lowest level language

- o The middle level language

- o Any programing language

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

Q162: FTP was introduced in:

- o 1972

- o 1973    PG#197

- o 1974

- o 1976

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

Q163: Which of the following is True about |pareseFloat(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.

- o I and II only
- o II and III only
- o I and III only    PG#204
- o IV only

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

Q164: Avoid the use of motion for _____ purposes.

- o Cosmetic       PG#176
- o Fashion
- o Animation
- o None of the given

**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**

Q165: A named collection of properties (data, state) & methods (instructions, behavior ) is called
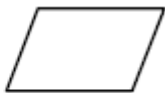
- o Object        PG#202

- o Entity

- o Relation

- o Template

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

Q166: _____ / / / _____ / A Parallelogram represents the _____ flow chart element.

- o Process

- o Input or output       PG#105

- o Decision

- o Connector

Input or output

Parallelogram.

Q167: Greedy algorithm does not support _____. .situation.

- Local

- Global

- Complex

- All of the given

Q168: MS Word is a WYSIWYG-based Word processor.

True      PG#83

False

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

Q169: 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

**Q170:** A data cell of a table contain

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

**Q171:** Which of the following is incorrect for making design elements legible?

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

**Q172**: Function WriteList(heading, words){//body of function} in above definition | WriteList |is

the_____

      o   Keyword      PG#201

      o   Function identifier

      o   Parameter

      o   Function prototype

Keyword

Pair of parenthesis

Function identifier

Function 'arguments' separated by commas

Function definition enclosed in a pair of curly braces

```
function writeList( heading, words ) {
    document.write( heading + "<BR>" ) ;
    for ( k = 0 ; k < words.length ; k = k + 1 ) {
        document.write( words[ k ] + "<BR>" ) ;
}
```
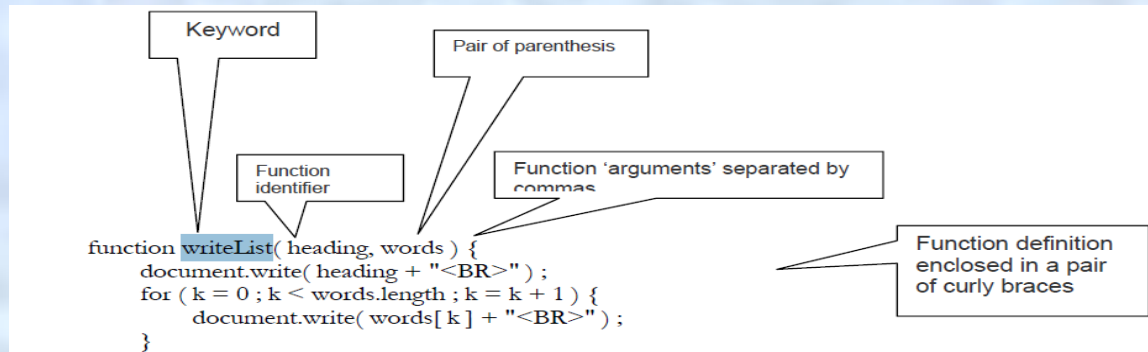
**Q173**: There are mainly two types of networks according to network access policy namely:

      o   Public & commercial

      o   Private & public     PG#186

      o   Private & Non- private

      o   None of the given choices

Types of Computer Networks
according to the network access policy
• Private
• Public

**Q174:** In a system having many parts to be designed, one should always do the _____ first.

- o Simple part
- o Development part
- o Quality part
- o **None of the given**        PG#166

**Q175:** In JavaScript, arrays are implement in the form of:

- o **Array object**       PG#199
- o Array variable
- o Array class
- o 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

**Q176:** NIC stands for:

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

**Network Interface Cards (NIC)**

Q177: _____prevent collisions of packets caused by simultaneous transmission between two or more computers.

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

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

Q178: The key benefits of VPNs over conventional PNs is:

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

Key benefit of VPNs over conventional PNs: Lower cost

Q179: JavaScript Arrays are _____

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

JavaScript Arrays are Heterogeneous

Q180: _____ uses public telecom infrastructure, maintaining privacy through security procedures.

- o Private network

- o Public network

- o VPN       PG#187

- o None of the given

<mark>VPNs use public telecom infrastructure, maintaining privacy through security procedures</mark>

Q181: The function which call themselves from their (own) body are called:

- o Virtual function

- o Abstract function

- o Overriding functions

- o Recursive functions       Click here for detail

<mark>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.</mark>

Q182: Efficiency is _____ to universality.

- o Direct proportional

- o Not proportional

- o Equal

- o None of the given

**Q183:** According to heuristic, if you can't explain it in _____ minutes, either you don't understand it or it does not work.

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

**Q184:** (a) _____ is the concept embedded in an algorithm (soul!) and (b) _____ is the actual representation of an algorithm (the body!)

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

**Q185**: In a HTML form for file upload input element input element we use the following value in type attribute:

- o  Text

- o  Radio

- o  Hidden

- o  File    PG#79

**Q186**: In a HTML form for Hidden INPUT field we use the following value in type attribute:

- o  Text

- o  Password

- o  Hidden                    PG#74

- o  Check box

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Q187: Operating system installed in a cell phone is a type _____

   o   Multi user operating system

   o   Distributed operating system

   o   Single user operating system

   o   None of the given

Q188: Quantum mechanics is the branch of _____; which describes the activity of subatomic

particles.

   o   Chemistry

   o   Computer science

   o   Physics          Click here for detail

   o   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.

Q189: Deep blue was the name of :

   o   Human

   o   Computer      PG#9

   o   City

   o   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.

Q190: What was the name of first computer that used |magnetic Tape| for programs storing?

- o ENIAC

- o EDVAC      Click here for detail

- o Harvard Mark 1

- o 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.

Q191: _____ are personal computers that are designed to be easily transported and

relocated

- o Desktops

- o Portables      PG#21

- o Servers

- o 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.

تم اچھا کرو زمانہ تم کو برا سمجھے یہ اس سے بہتر ہے کہ تم برا کرو اور زمانہ تم کو اچھا سمجھے

Q192: Web is a unique invention by humans in terms that it is:

- o **Accessible to all human**     **PG#196**

- o Accessible to only the owners who control it

- o Accessible to particular locations only

- o 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.

Q193: What are the conditions that must be fulfilled in order to use web?

- o Computer is ON

- o Web browser is available

- o PC is connected to the Internet

- o **All of the given**

Q194: Array can be defined as:

- o **An indexed list of elements**     **PG#177**

- o A list of elements

- o A collection of elements

- o None of the given

**Array:**
An indexed list of elements

ایماندار کو غصہ دیر سے آتا ہے اور جلدی دور ہو جاتا ہے

Q195: UTP stands for:

- o Ultra Twisted pair

- o Unified Twisted Pair

- o Unshielded Twisted Pair

- o None of the given

Q196: _____ converts computer messages to electrical pulses that are suitable for

transmission over the telephone line.

- o Modulator     PG#187

- o Demodulator

- o Modulator & Demodulator

- o None of the given

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

Q198: Global variables are:

- o Visible everywhere one the web page     PG#204

- o Visible only in the block in which they are declared

- o Visible only in the main code

- o None of the given choices

*Global Variables*
Visible everywhere on the Web page

Q199: WAN stands for:

- o Wireless Area Network

- o Wide Area Network     PG#187

- o Wide Air Network

- o None of the given choices

<mark>WAN: Wide Area Network)</mark>

Q200: Which variables can make the logic of a web page difficult to understand?

- o Global     PG#207

- o Local

- o Both Global and Local

- o None of the given choices

<mark>Global variables can make the logic of a Web page difficult to understand</mark>

Q201: _____ Loop is flow control statement that allows code to be executed repeatedly based on a given Boolean condition.

- o For

- o Do-While

- o If-else

- o While

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

Q202: _____ is a system that guards a private network.

- o Protocol

- o Firewall       PG#191

- o Communication channel

- o None of the given choices

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

Q203: Electrical pulses received over telephone line are converted into message ( comprehensible by the computer ) by using:

- o Modulator

- o Demodulator     PG#187

- o Both Modulator and Demodulator

- o None of the given choices

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

Q204: In partitioning program/module, it should be assured that partitioned chunks should be as _____ as possible.

- o Dependent

- o Independent

- o Complex

- o All of the given

Q205: Which one can lead user to leave your website

- o Simple design

- o Poor navigation     PG#170

- o Information layout

- o Adaptable design

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

Q206: _____ breaks down the message to be sent over the internet into packets.

- o TCP     PG#196

- o IP

- o SMTP

- o None of the given

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

**Q207**: 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

**Q208**: 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

Q209: 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.

Q210: Intel 4004 processor based on  . . . . . .  bits

- o  8

- o  4       PG#37

- o  16

- o  32

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

Q211: The name of very first computer was:

- o  ABC     PG#14

- o  BCD

- o  EDC

- o  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.

Q212: 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.

Q213: _____ 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.

Q214: The name of first electronic computer that stored entire program in its memory was:

- ENIAC

- Harvard Mark 1

- EDVAC

- Attanasoff-Berry Computer

Q215: The last famous electromechanical computer was:

- ENIAC
- Harvard Mark 1
- IBM-PC
- Attanasoff-Berry Computer

Q216: All the ideas of Babbage Analytical engine were included in:

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

Q217: In anchor tag HREF attribute contain a.

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

link( URL ) <A href=URL> ...</A>

الله کا خوف سب سے بڑی دانائی ہے

Q218: Altair 8800 was based on _____ processor

- Intel 4004
- Intel 8080
- Intel 386
- Pentium

Q219: 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

Q220: First computer that could not only manipulate numbers but also text data as well was:

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

Q221: _____ has changed our way of life like no other technology.

- o Computational technology

- o Computer technology

- o Computing technology     PG#180

- o None of the above

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

Q222: Smart editors they can automatically color different parts of statements in different colors e.g. HTML tags in _____ color.

- o Green

- o Grey

- o Blue      PG#315

- o 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

Q223: When the packets reach destination _____ reassembles them into original message.

- o Protocol

- o TCP     PG#317

- o IP

- o None of the above

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

Q224: 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

Q225: _____ is a technique used create smooth animations or to display one of several images based on the requirement.

- Image preloading       PG#286

- JavaScript

- Animated Gifs

- None of the given

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

زندگی میں کامیابی کا یہی راز ہے کہ پریشانیوں سے پریشان مت بنو

Q226: _____ is the member of Executive team.

- o  Project Manager
- o  CEO      PG#298
- o  Team Lead
- o  None of the above

Q227: _____ based on the principles of the logical reasoning ability of humans.

- o  Genetic Algorithms
- o  Rule-Based System    PG#242
- o  Feed-Forward Network
- o  None of these

Q228: Internet is an example of _____ network.

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

Q229: Row elements are called _____

- o Records

- o Fields      PG#262

- o Identifiers

- o Data

Q230: E-mail system has _____ component(s)

- o E-mail client

- o SMTP server

- o POP3 server

- o All of the given choices       PG#213

Q231: JavaScript was specially designed for writing _____ programs

- o Subject-Driven Programs

- o Web Programs       PG#321

- o Event-Driven Programs

- o Structured Programs

Q232: _____ are used to transferring files between computer on TCP/IP network

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

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

Q233: The pattern in which computer are connected together to from a network is called:

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

**Network Topologies**
The pattern in which computers are connected to form a network

Q234: _____ is a branch of computer science concerned with manipulating and enhancing computer graphics.

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

**Image Processing:**
A branch of computer science concerned with manipulating and enhancing computer graphics

Q235: SVG stands for _____

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

SVG (Structured Vector Graphics)

Q236: _____ 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

Q237: The most common type of Relational database for server is _____

- Access
- Oracle
- MySQL
- Excel

Q238: The organizations are learning that business can be done in a more effective manner if emphasis is placed upon _____.

    o   Cooperation

    o   Shared responsibility

    o   Networking

    o   **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:

Q239: The browser breaks down the URL into _____ parts

    o   2

    o   **3      PG#211**

    o   4

    o   5

The browser breaks down the URL into 3 parts :
Protocol Identifier
Server Address
Directory & File Name

خود کو تمھیں سے بڑھ کر کوئی اچھا مشورہ نہیں دے سکتا

**Q240:** A large number of networks interconnected physically are called _____

- o   LAN

- o   MAN

- o   Internet          PG#209

- o   None of above

**Q241:** Module level design and unit testing the responsibility of _____

- o   Team Lead

- o   Developer        PG#298

- o   Project Manager

- o   None of the above

Q242: The important attribute of image tag is _____

- o src

- o alt

- o both "alt" and "src"    http://www.w3schools.com/tags/tag_img.asp

- o none of the above

The <img> tag has two required attributes: src and alt.

Q243: If you write program using good programing methodology then the overall cost & time of the

program is _____

- o Increased

- o Reduced

- o Doubled

- o None of the above

Q244: Who routes the packets through the internet to get their destination?

- o UDP

- o TCP

- o UCP

- o IP      PG#209

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

جو شخص ناکامیوں سے ڈر کر بھاگتا ہے کامیابی اُس سے ڈر کر بھاگتی ہے

Q245: 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.

Q246: 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

Q247: _____ 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

جو لوگوں کے سامنے فخر کرتا ہے وہ لوگوں کی نظروں سے گِر جاتا ہے

Q248: Comments are used to make program more _____.

- o Efficient

- o Readable

- o Inefficient

- o None of the above

Q249: Someday it will be possible to load all the lectures, papers, books and s/w produced by an expert into an _____ system.

- o Information

- o Eco

- o Intelligent     Click here for detail

- o 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

Q250: Which one of the following is built- in computer memory containing data that normally can only be read, not written to?

- o RAM

- o ROM    PG#25

- o Cache Memory

- o Magnetic Memory

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

Q251: 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.

Q252: 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

Q253: 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

Q254: A hyper link in a web page is by default appearing as:

- o Blue only

- o Back and underlined

- o Blue and bold

- o Blue and underlined    Click here for detail

Q255: First computer designed for commercial applications was:

- o UNIAC 1    PG#14

- o ENIAC

- o EDVAC

- o 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.

Q256: 1 byte consists of _____ bits.

- o 10

- o 9

- o 8    PG#42

- o None of the given choices

**Byte = 8 bits**

Q257: The first programing language designed for the non-technical users, was:

- o Visual Basic

- o Ada       PG#9

- o Basic

- o Cobol

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

Q258: If a computer could pass the Turing test then it would be able to :

- o Win a million dollar prize

- o Think like human  beings      PG#13

- o Think but slower than humans

- o 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

Q259: USB stands for

- o Uniform system Bill

- o Universal system Bus

- o Universal serial Bus    PG#24

- o 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.

Q260: _____ are set of Rules & Regulation that provides communication in a network.

- o Browser
- o Protocol
- o Internet Explorer
- o Hyper Text

Q261: A communication protocol is a _____ that governs the flow of information over a

network.

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

Q262: Registers that hold read-only values are known as . . . . . .

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

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

عقل مند اپنے عیب خود دیکھتا ہے اور بیوقوفوں کے عیب دنیا دیکھتی ہے

**Q263**: The Capacity of a communication channel for carrying data is called:

- o Base band

- o Broad band

- o Bandwidth

- o 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)

**Q264**: ARPANET was dissolved in:

- o 1990    PG#197

- o 1991

- o 1995

- o None of the given choices

**1990's1990** - The ARPANET is dissolved

**Q265**: TCP stands for :

- o Transmission control practical

- o Transmission control protocol    PG#196

- o Transfer center protocol

- o None of the given choices

TCP ( Transmission Control Protocol)

**Q266**: Specifying the space in which a variable will be effective is called:

- o  Variable declaration

- o  Variable definition

- o  Variable scope      PG#204

- o  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.

**Q267**: JavaScript Array can hold elements of _____ simultaneously.

- o  Single data types

- o  Multiple data types     PG #180

- o  Integers and strings only

- o  Integers and characters only

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

**Q268**: Avoid lines type shorter than _____ characters and longer than_____ characters.

- o  40,60    PG#175

- o  30,60

- o  20,30

- o  None of the given

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

Q269: Ethernet & Token Ring Protocol used in:

- o LAN      PG#190
- o WAN
- o Both LAN and WAN
- o 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

Q270: Using _____ networks access is restricted to authorized computers only.

- o Public
- o Private    PG#186
- o Both Public & Private
- o 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

Q271: Which of the following keyword is used to jump out of switch statement as soon as a match is found?

- o Default
- o Else
- o Jump
- o Break

Q272: _____ enables users located at far-way locations to easily share information with others located all over the world.

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

Q273: Good design should assist the user in

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

Q274: In which topologies, network is not affected if one computer goes down?

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

Q275: Files can be downloaded or uploaded using _____ protocol

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

Q276: There are mainly _____ types of network according to distance between the nodes.

- ○ 2   PG#187
- ○ 3
- ○ 4
- ○ 5

Q277: In JavaScript Two of the key 'Array' methods are:

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

Q278: DARPA stands for:

- o Defense Advanced Research Project Agency      [Click here for detail](#)

- o Direct Automatic Research Private Agency

- o Defense Automatic Research Project Agency

- o None of the given


Q279: hotWeather =(Temperature = = 40); in the above statement, the variable hotWeather id of type

- o number

- o string

- o Boolean

- o None of the given


Q280: Declaring  variables ( using the var keyword) within a function makes it:

- o Local variable     PG#207

- o Global variable

- o Abstract variable

- o 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

Q281: _____ is used to form a connection between two separate, but similar networks.

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

**Bridge**
Used 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

Q282: _____ Network fails if a single node fails.

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

**Ring**

The network fails if a single node fails

Q283: Rule of thumb learned through trial & error is called

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

**Heuristic**
Rule of thumb learned through trial & error

**Q284:** _____ is a special purpose computer that directs the data traffic when several paths are available.

- o Bridge

- o Router    PG#187

- o Gateway

- o 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

**Q285:** NCSA stands for:

- o National Center for Supercomputing Applications    PG#197

- o National Center for Supreme  Applications

- o National Center for Super Authority

- o 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

**Q286:** Heuristics are used because they

- o Always give the best results

- o Mostly gives good-enough results    PG#170

- o Don't give wrong results

- o 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

Q287: In partitioning of program/module, it should be assured that partitioned chunks should be as

_____ as possible.

- o  Dependent

- o  Independent    PG#166

- o  Complex

- o  All of the above

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

Q288: The MS DOS operating system came bundled with:

- o  UNIVAC1

- o  Cray 1

- o  IBM PC        Click here for detail

- o  Altair 8800

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

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Q289: Using _____ topology, adding new nodes is difficult.

- o  Ring    PG#189

- o  Bus

- o  Star

- o  None of the given choices

Ring
New nodes are difficult to add


Q290: _____ is a special purpose computer that connects and translates between networks

that use different communication protocols.

- o  Bridge

- o  Router

- o  Gateway    PG#187

- o  None of the given choices

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

Q291: First internet program was launched in:

- o  1968

- o  1969

- o  1970

- o  1978

Q292: Any variable in JavaScript can hold any type of value, and the that type can change midway through the program.

  o   True  PG#144

  o   False

Q293: How many iterations would this "for" loop runs. For (x=6000;x>0;x=x-1){document. Write(x);}

  o   5900

  o   6000   PG#164

  o   6001

  o   None of the given

Q294: Which of the following are types of communication channels?

  o   Wire & Dedicated

  o   Wire & Wireless     PG#190

  o   Wireless & Remote control

  o   None of the given choices

Q295: For interesting work with images you need _____

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

Q296: 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

خوبصورتی علم و ادب سے ہوتی ہے لباس و حسن سے نہیں

Q297: _____ Team is responsible for the maintenance, expansion, improvement of the infrastructure consisting of workstations, networking equipment, software & network security.

- o Support      PG#300
- o Configuration Management
- o Quality Assurance
- o 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

Q298: In case of _____ mode, user starts a program which computer executes with the given data and produces results without any further intervention from user.

- o Batch      PG#81
- o Interactive
- o Time-Sharing
- o 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

**Q299:** 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?

- o <span style="color:red">Hidden</span>
- o Invisible
- o Secret
- o Hide

**Q300:** Binary numbers are expressed in _____ notation

- o <span style="color:red">Positional</span>     PG#41
- o Neutral
- o Vertical
- o horizontal

<mark>Binary (base 2) numbers are also expressed in *positional notation*</mark>

**Q301:** To select a single option from multiple options we use _____control.

- o Check box
- o <span style="color:red">Radio box</span>     [Click here for detail](#)
- o Text box
- o None of the given

<mark>Radio Button Control</mark>
<mark>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.</mark>

**Q302:** 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

**Q303:** 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

**Q304:** 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

Q305: Computer directly understand the _____ language

- o Human

- o High level

- o Machine     Click here for detail     also on handout PG#59

- o 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.

Q306: _____ Feature allows you to recover from mistakes.

- o Copy

- o Paste

- o Cut

- o Undo               PG#225

The Best Feature: Undo
Allows you to recover from your mistakes
Allows you to experiment without risk

جھوٹ رزق کو کھا جاتا ہے

**Q307:** Avoid _____ to ensure readability of web page

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

**Q308:** _____ of the following is loop statement.

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

**Q309:** _____ is a smallest unit of data transmitted over a computer network.

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

Q310: Communications on the internet is controlled by a set of two protocol , named:

- o HTTP & SMTP

- o FTP & TELNET

- o TCP & IP      PG#196

- o 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

Q311: JavaScript is not the object based language.

- o True

- o False      PG#96

Script:
Is an interpreted language
Supports event-driven programming
Is object-based

Q312: VULMS is an example of _____ software.

- o Engineering

- o Entertainment

- o Educational

- o scientific

Virtual University Learning Management System (VULMS)

**Q313:** Algorithms is sequence of steps that can be taken to solve a given

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

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

**Q314:** Decision support systems are also called _____.

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

**DSS (Decision Support Systems) SW**
Sometimes also called "expert systems"

**Q315:** _____ is database management software.

- o MS Access    PG#262    Click here for detail
- o MS Word
- o MS Excel
- o MS Paint

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Q316: Scheduling is performed by _____ of operating system

    o   Device driver

    o   Kernel       PG#67

    o   Application program

    o   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

Q317: Consider the statement: "window. alert("message");"

    o   It is syntax Error

    o   It will cause a dialog box to be appeared

    o   Syntax is correct, but will compile with a warning

    o   It will cause the "Message" to be copied to memory

Q318: The code in the _____ portion is the right choice for developing larger JavaScript's

    o   Body

    o   At End

    o   Head   PG#245

    o   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

Q319: In _____ automatic machines perform various tasks that were previously performed by human.

- o Fuzzy Logic

- o Robotics     PG#244

- o Rule based system

- o 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)

Q320: The E-mail client sends message to :

- o e-mail client

- o SMTP server          PG#213

- o POP3 server

- o All of the given choices

**SMTP: Simple Mail Transfer Protocol**
A protocol used to send and receive eMail messages over a TCP/IP network

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Q321: Color mapping scheme reduce 2.25 MB graphics into _____MB.

- o 0.90 MB

- o 0.75 MB    PG#236

- o MB

- o 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

Q322: 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

ہر چیز کی ایک پہچان ہوتی ہے اور عقلمند کی پہچان غوروفکر کرنا ہے اور غوروفکر کی پہچان خاموشی ہے

Q323: _____ executes the specified JavaScript code when a window loses focus or a form element loses focus

- o OnBlur     PG#230

- o onFocus

- o onLoad

- o onUnload

Q324: Which protocol is used for receiving E-mail message?

- o FTP

- o POP     PG#212

- o Telnet Protocol

- o SMTP

Q325: A user may access any item on the web through a _____

- o HTTP

- o SMPT

- o URL   PG#211

- o None of the these

Q326: In JavaScript every user-defined function must be written between _____ tag-set

- o  <JAVASCRIPT> </JAVASCRIPT>

- o  <SCRIPT>  </SCRIPT>

- o  <FUNCTION> </FUNCTION>

- o  <CODE> < /CODE >

Q327: A combination of _____ and _____ is called Desktop Publishing.

- o  Word processing , graphics design   PG#88

- o  Word processing , spreadsheets

- o  spreadsheets, graphics design

- o  none of the above

**Desktop Publishing (DTP)**
A combination of word processing and graphic design. Used to develop elegant documents

Q328: HTML document allows including the web programing language code into itself.

- o  True

- o  False

ایماندار کو غصہ دیر سے آتا ہے اور جلدی دور ہو جاتا ہے

Q329: Decimal numbers system consist of _____ symbols

- o  16

- o  8

- o  10        PG#39

- o  none

<mark>**DECIMAL (BASE 10) numbers**
**Decimal (base 10) number system consists of 10 symbols or digits**</mark>

Q330: A user plug in sound card in computer, _____ is required so that the sound card can perform its tasks.

- o  Hardware

- o  Device driver

- o  Application driver

- o  Compiler

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

<div dir="rtl">

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

</div>

Q331: _____ helps in finding synonyms as well as antonyms Word Processors

- o Tables

- o Thesaurus     PG#89

- o Spelling & Grammar

- o Word count

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

Q332: Boolean variables can only have _____ values

- o Hexa

- o Decimal

- o Binary     PG#43

- o 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.

الله کا خوف سب سے بڑی دانائی ہے

Q333: _____ performs all the controlling and management activities in a computer.

- o Hardware

- o Application software

- o MS Word

- o Operating system      Click here for detail

Q334: Assume that we want the text | save| to appear on a button, which attribute of the INPUT tag will be used to do that?

- o Write

- o Name

- o Value     PG#75

- o Type

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

Log me in
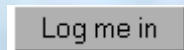
Q335: Disk operating system is _____ operating system

- o Menu driven

- o Graphical user interface

- o Command driven

- o None of the given

Q336: Objects are modified with _____ that are associated with that object.

- o Properties

- o Events

- o Methods   PG # 130

- o Operators

Q337: The "Ockham's Razor," principle states that when choosing among competing, successful

solutions to a problem; choose the one which is the least _____

- o Time Consuming

- o Ambiguous

- o Complex  PG#101

- o Restricted

Q338: JavaScript can be used along with HTML to _____.

- o style the Web

- o secure the web page

- o make content interactive

- o color the web page

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

Q339: Which one is the example of spreadsheet software?

- o MS Word

- o MS PowerPoint

- o MS Excel

- o MS Access

Q340: Fuzzy logic is based on _____.

- o Ground facts

- o Experience

- o Practice

- o Approximation      PG#251

**Fuzzy Logic (1):**
Based on the principles of the approximate reasoning faculty that humans use when faced with linguistic ambig

Note: If you found any mistake in mcqz please mail at above mentioned email address. And tell me your answer with references.

Best of Luck
For
Exam

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

please pray for me
and I will pray for you too

THE END

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