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Which of the following is NOT true about modern computers?

► More powerful
► Smaller in size
► Consume less energy
► Costly

Currently the BlueRay DVD can store more than _____ of data.

► 10 GB
► 100 GB
► 50 GB
► 150 GB

JavaScript _____ support drawing of graphics

► Does
► Does not
► Always
► At times

Popular schemes used for reducing bytes for storage are:

► RGB and Color mapping
► RGB and Dithering
► RGB, Color mapping and Dithering
► **Color mapping and Dithering**

Which protocol is use to transfer a file over the network ?

► UDP
► FTP
► TCP
► OSI

Flow control constructs in JavaScript includes:

► If-Else
► Loops and If -Else

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► Switch and If-Else
► All of the given choices

A truth table defines the _____of a logic function for all possible _____
► Input -- Outputs

► Output -- Inputs
► Process -- Inputs
► Input -- Processes

Question No: 8 (Marks: 1) - Please choose one

_____ _____ is the best known builder for supercomputers.
► Sun
► Cray Research
► Microsoft
► Apple

Question No: 9 (Marks: 1) - Please choose one

_____ Web is a unique invention by humans in terms that it is:
► accessible to only the owners who control it
► accessible from particular locations only
► accessible to all humans
► accessible to only the educational institutes

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Question No: 10 (Marks: 1) - Please choose one

_____ _____ is a client program that uses HTTP to make requests to Web servers throughout the internet on behalf of the user.
► Web Application
► Web Browser
► Internet Application
► HTML

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Question No: 11 (Marks: 1) - Please choose one

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

► Protocol
► TCP
► IP
► NIC

Question No: 12 (Marks: 1) - Please choose one

_____ Smart editors can automatically color different parts of statements in different colors e.g. comments in _____ color.

► Green
► Grey
► Blue
► Red

Question No: 13 (Marks: 1) - Please choose one

_____ _____ has great PR skills.

► Architect
► Team Lead
► Project Manager
► Chief Executive Officer

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Question No: 14 (Marks: 1) - Please choose one

_____ The key responsibilities of a project manager is _____.

► Planning and tracking of the project
► Arranging of the appropriate resources
► Client relationship management
► All of the given options

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Question No: 15 (Marks: 1) - Please choose one

Which attribute of the IMG tag tells us about the source of the image _____.

- source
- path
- loc
- src

Question No: 16 (Marks: 1) - Please choose one

In relational database, data store in the form of _____.

- **Tables**
- Rows
- Columns
- None of the given options

Question No: 17 (Marks: 1) - Please choose one

When'+' operator is used with string operands, it _____ both strings.

- Adds
- Subtracts
- Concatenates
- Compares

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Question No: 18 (Marks: 1) - Please choose one

Which of the following operation is take place in ALU?

- **Logical Operations**
- Comparative Operations
- Floating Point Operations
- All of the given options

Question No: 19 (Marks: 1) - Please choose one

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_____ Integrity can be compromised by _____.

► Private or virtual-private networks
► Encryption
► Intrusion detectors

► **None of the given options**

Question No: 20 (Marks: 1) - Please choose one

_____ a = Math.ceil(12.01)

What will be the value of a ?

► 12
► **13**
► 12.0
► 13.01

Question No: 21 (Marks: 1) - Please choose one

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

► Event called programs
► Event processed programs
► Event driven programs
► Event declared programs

Question No: 22 (Marks: 1) - Please choose one

_____ Fuzzy logic is based on _____.

► Ground facts
► Experience

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► Practice
► Approximation

Question No: 23 (Marks: 1) - Please choose one

_____ According to a popular heuristic, success is defined by _____.

► The user
► The builder
► Both user and builder
► None of the given options

Question No: 24 (Marks: 1) - Please choose one

_____ You can view a 3-D image on a _____.

► 3-D display
► 2-D display
► On both 2-D and 3-D displays
► We can not view a 3-D image

Question No: 25 (Marks: 1) - Please choose one

_____ In a good presentation each slide should contain_____.

► Heading
► Phrases not sentences
► Sentences not phrases
► Heading, sentences not phrases

Question No: 26 (Marks: 1) - Please choose one

_____ The best number of lines in a slide is _____.

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► 9
► 11
► 13
► 5

Question No: 27 (Marks: 1) - Please choose one

_____ A variable can be _____ in scope.

► Local
► Global
► Either local or global
► None of the given options

Question No: 28 (Marks: 1) - Please choose one

_____ Java script interact with user through_____

► Special control
► Internet explorer
► Event handlers
► Java script does not interact with user

Question No: 29 (Marks: 1) - Please choose one

_____ CONCATENATE operator is used to_____ elements.

► Subtract
► Multiply
► Join is the right answer.
► Add

Question No: 30 (Marks: 1) - Please choose one

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_____ FTP stands for _____.

► File transmission protocol
► File transmission path
► File transfer protocol
► Fine transfer path

Question No: 1 (Marks: 1) - Please choose one

_____ **Which of the following hardware component of a computer can also be called as engine?**

► Bus
► Storage
► Memory
► Processor

Question No: 2 (Marks: 1) - Please choose one

_____ TCP stands for _____.

► Total communication protocol
► Transmission control protocol
► Transfer control protocol
► Transfer collection protocol

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Question No: 3 (Marks: 1) - Please choose one

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

► FTP
► HTTP
► TCP

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► IP

Question No: 4 (Marks: 1) - Please choose one

_____ A variable can be _____ in scope.

► Local
► Global
► Either local or global
► None of the given options

Question No: 5 (Marks: 1) - Please choose one

_____ A protocol used for receiving email messages is called _____.

► URL
► Telnet
► POP3
► SMTP

Question No: 6 (Marks: 1) - Please choose one

_____ A function is also called _____.

► Sub-program
► Procedure
► Sub-routine
► All of the given option

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Question No: 7 (Marks: 1) - Please choose one

_____ Capturing events and responding to them is called _____.

► Function Handling

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► Event Handling

► Event Procedure

► All of the given option

Question No: 8 (Marks: 1) - Please choose one

_____ Which one of the following is NOT a primary color?

► Red
► Green
► Yellow
► Blue

Question No: 9 (Marks: 1) - Please choose one

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

► Event called programs
► Event processed programs
► Event driven programs
► Event declared programs

Question No: 10 (Marks: 1) - Please choose one

_____ a = Math.ceil(12.01)

What will be the value of a ?

► 12
► 13
► 12.0
► 13.01

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Question No: 11 (Marks: 1) - Please choose one

_____ Event handlers are placed in the _____ portion of a Web page as attributes in HTML tags.

► HEAD
► BODY
► SCRIPT
► TITLE

Question No: 12 (Marks: 1) - Please choose one

_____ _____ can be used for entering, editing, or viewing data, one record at a time.

► Queries
► Forms
► Reports
► None of the given options

Question No: 13 (Marks: 1) - Please choose one

_____ random() function returns a randomly-selected, floating-point number between _____.

► 0 and 1
► 0 and 10
► 0 and -10
► 0 and -1

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Question No: 14 (Marks: 1) - Please choose one

_____ 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 options

Question No: 15 (Marks: 1) - Please choose one

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_____ In relational database, data store in the form of _____.

- ► Tables
- ► Rows
- ► Columns
- ► None of the given options

Question No: 16 (Marks: 1) - Please choose one

_____ Spies of one business monitoring the network traffic of their competitors' _____.

- ► Industrial Intelligence
- ► Industrial Espionage
- ► Industrial Spying
- ► Industrial Surveillance

Question No: 17 (Marks: 1) - Please choose one

_____ _____ waits for some time and then launch a function.

- ► Timeout( )
- ► setTimeout( )
- ► setTime( )
- ► setTimeIn( )

Question No: 18 (Marks: 1) - Please choose one

_____ _____ based communication allows business entities to coordinate the activities of their globally spread units with greater accuracy.

- ► Intranet
- ► Internet
- ► Home
- ► LAN

Question No: 19 (Marks: 1) - Please choose one

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_____ The key responsibilities of a project manager is _____.

- ► Planning and tracking of the project
- ► Arranging of the appropriate resources
- ► Client relationship management
- ► All of the given options

Question No: 20 (Marks: 1) - Please choose one

_____ _____ team consists on the sharpest technical minds in the company.

- ► Architecture
- ► Business Development
- ► Configuration Management
- ► Developer

Question No: 21 (Marks: 1) - Please choose one

_____ Smart editors can automatically color different parts of statements in different colors e.g. comments in _____ color.

- ► Green
- ► Grey
- ► Blue
- ► Red

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Question No: 22 (Marks: 1) - Please choose one

_____ A collection of data organized in such a way that the computer can quickly search for a desired data item is known as :

- ► Retrieving
- ► Database
- ► Information
- ► DBMS

Question No: 23 (Marks: 1) - Please choose one

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_____ Deep Blue was the name of

- ► computer
- ► human
- ► city
- ► game

Question No: 24 (Marks: 1) - Please choose one

_____ Information available on the web is

- ► mostly free of cost
- ► costly
- ► very cheap
- ► of no use

Question No: 25 (Marks: 1) - Please choose one

_____ Which one is correct?

- ► <BODY></BODY>
- ► <body></body>
- ► Both <BODY></BODY> and <body></body>
- ► <BODY/>

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Question No: 26 (Marks: 1) - Please choose one

_____ _____ is the best known builder for supercomputers.

- ► Sun
- ► Cray Research
- ► Microsoft
- ► Apple

Question No: 27 (Marks: 1) - Please choose one

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_____ Which one is the example of spreadsheet software ?

► MS Word
► MS PowerPoint
► MS Excel
► MS Access

Question No: 28 (Marks: 1) - Please choose one

_____ Currently the BlueRay DVD can store more than _____ of data.

► 10 GB
► 100 GB
► 50 GB
► 150 GB

Question No: 29 (Marks: 1) - Please choose one

_____ Blue Pacific is a name of _____ computer.

► Mini
► Desktop
► Micro
► Super

Question No: 30 (Marks: 1) - Please choose one

_____ _____ are powerful pieces of hardware, but not much useful on their own.

► Microcontrollers
► Microprocessors
► Integrated circuits
► Ports

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Question No: 1 (Marks: 1) - Please choose one

---------- was known as "mill" in Analytical engine.

► Memory
► Processor
► Monitor
► Mouse

Ref: An arithmetical unit (the "mill") would be able to perform all four arithmetic operations, plus comparisons and optionally square roots. Initially it was conceived as a difference engine curved back upon itself, in a generally circular layout,[2] with the long store exiting off to one side.

Question No: 2 (Marks: 1) - Please choose one

First electronic computer was

► ABC
► UNVAC 1
► Harvard Mark 1
► IBM PC

Question No: 3 (Marks: 1) - Please choose one

What is NOT a key factor while designing a website?

► Usability
► User-friendly
► Consistency
► Complexity

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Question No: 4 (Marks: 1) - Please choose one

What happens if I start a new list without closing the original one?

► An error will be generated
► A nested list will be created
► Previous list will end and a new will start.
► Nothing will happen

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Question No: 5 (Marks: 1) - Please choose one
The most upper right pixel of the screen is of _____ color.
► Any
► Red
► Green
► Blue

Question No: 6 (Marks: 1) - Please choose one
A single pixel can acquire approximately _____ color schemes.
► 1 million
► 2 million
► 10 million
► 16 million

Question No: 7 (Marks: 1) - Please choose one
The idea of Neural Networks field is based upon _____.
► Human nature
► Human brain
► Human culture
► Human actions

Question No: 8 (Marks: 1) - Please choose one
Which one of the following is an application for artificial intelligence?
► Robotic
► Web Agent
► Decision Support System
► All of the given options

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Question No: 9 (Marks: 1) - Please choose one
Register is a kind of _____memory

► Fast
► Super fast
► Slow

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► Very slow

Question No: 10 (Marks: 1) - Please choose one

Which of the following is a true statement?

► Flat-file storage is better than tabular storage.

► Tabular storage is better than flat-file storage.

► Flat-file storage is better than relational storage.

► None of the given options

Question No: 11 (Marks: 1) - Please choose one

substring(n, m) returns a string containing characters copied from position n to_____.

► m – 2

► m – 1

► m + 1

► m

Question No: 12 (Marks: 1) - Please choose one

The _____ is the old profession which is being eliminated because of computing.

► Typist

► Bank manager

► Operational manager

► All of the given options

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Question No: 13 (Marks: 1) - Please choose one

The system that manages relational database, is called _____.

► None of the given options

► Database Management System

► Data Management System

► Relational Database Management System

Question No: 14 (Marks: 1) - Please choose one

When web server is busy it gives the following message to the user :

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► Time out
► Waiting
► Server busy
► None of the given options

Question No: 15 (Marks: 1) - Please choose one
The group of technologies concerned with the capturing, processing and transmission of information in the digital electronic form is called _____.
► Telecom Engineering
► Computer Engineering
► Computer Science
► Information Technology

Question No: 16 (Marks: 1) - Please choose one
_____ team consists on the sharpest technical minds in the company.

► Architecture
► Business Development
► Configuration Management
► Developer

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Question No: 17 (Marks: 1) - Please choose one
TCP stands for _____.

► Transfer Center protocol
► Transmission Control Protocol
► Transmission Center Protocol
► Telephone Center Protocol

Question No: 18 (Marks: 1) - Please choose one
A collection of data organized in such a way that the computer can quickly search for a desired data item is known as :

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► Retrieving
► Database
► Information
► DBMS

Question No: 19 (Marks: 1) - Please choose one
Microsoft Word is a type of:
► System Software
► Freeware Software
► Shrink-Wrapped Software
► Custom-built Software

Question No: 20 (Marks: 1) - Please choose one
Users _____, how things work.
► Analyze in detail
► Muddle through
► Figure out
► Read in detail

Question No: 21 (Marks: 1) - Please choose one
Popular schemes used for reducing bytes for storage are:
► RGB and Color mapping
► RGB and Dithering
► RGB, Color mapping and Dithering
► Color mapping and Dithering

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Question No: 22 (Marks: 1) - Please choose one
Hardware malfunctions is related to
► Data updates
► Data integrity
► Data security
► Data accessibility

Question No: 23 (Marks: 1) - Please choose one

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If incorrectly we enter the negative age it is check by

► Limit Integrity
► Type Integrity
► Referential Integrity
► Physical Integrity

Question No: 24 (Marks: 1) - Please choose one

Which is the user-friendly way of presenting data ?

► Query
► Form
► Report
► All of the given options

Question No: 25 (Marks: 1) - Please choose one

Currently the BlueRay DVD can store more than _____ of data.

► 10 GB
► 100 GB
► 50 GB
► 150 GB

Question No: 26 (Marks: 1) - Please choose one

In JavaScript, a || b is interpreted as

► a is true or b is false
► a is true and b is true
► a is false and b is true
► a is true or b is true or both are true

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Question No: 27 (Marks: 1) - Please choose one

Speakers fall into the hardware category.

► True
► False

Question No: 28 (Marks: 1) - Please choose one

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onBlur event is occurred for a form element when it _____

- ► Gets focus
- ► Losts focus
- ► Some thing is typed in
- ► onBlur is not an event

Question No: 29 (Marks: 1) - Please choose one

You can view a 3-D image on a _____.

- ► 3-D display
- ► 2-D display
- ► On both 2-D and 3-D displays
- ► We can not view a 3-D image

Question No: 30 (Marks: 1) - Please choose one

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

- ► Team Lead
- ► Developer
- ► Project Manager
- ► Quality Assurance Expert

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Question No: 1 (Marks: 1) - Please choose one

Which function returns a randomly selected floating point number between 0 and 1 ?

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- floor(x)
- ceil(x)
- **random()(Correct)**
- round(x)

Question No: 2 (Marks: 1) - Please choose one
Functions are also called:
- Heuristics
- Variables
- Arrays
- **Subprograms**

Question No: 3 (Marks: 1) - Please choose one
In JavaScript, each element of array can store data of type
- **A Number**
- An Array
- A String variable
- All of the given choices

Question No: 4 (Marks: 1) - Please choose one
The weaknesses of the computer are:
- Pattern recognition & Storage
- Speed & Innovative ideas
- **Pattern recognition & Innovative ideas (Correct)**
- Speed & Storage

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Question No: 5 (Marks: 1) - Please choose one
Processed data is called _____.

- **Information (Correct)**
- Data
- Entity
- Attribute

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Question No: 6 (Marks: 1) - Please choose one
Many developers write the _____ first and then incrementally convert each line into _____.

- Real code & Pseudo code
- Pseudo code & Real code
- Real code & Artificial code
- **None of the given options (Correct)**

Question No: 7 (Marks: 1) - Please choose one
When we buy a software package, we do not really buy it, we just by a license that allows us to use it, the _____stays with the maker.

- Agreement
- **Ownership (Correct)**
- Membership
- Software

Question No: 8 (Marks: 1) - Please choose one
Name, Border, Source are the _____ of the image object.

- Event Handler
- **Properties**
- Methods
- None of the given options

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Question No: 9 (Marks: 1) - Please choose one
Using smart editors they can automatically color different parts of statements in different colors e.g. HTML tags in _____ color.

- Green
- Grey
- **Blue (Correct)**
- None of the given options

Question No: 10 (Marks: 1) - Please choose one

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_____ is in Executive team.

► **Project Manager (Correct)**
► CEO
► Team Lead
► Developer

Question No: 11 (Marks: 1) - Please choose one
Module level design and unit testing the responsibility of _____.

► Team Lead
► **Developer (Correct)**
► Project Manager
► Quality Assurance Expert

Question No: 12 (Marks: 1) - Please choose one
_____ team is responsible for a project after the specification's stage till the very end.

► Executive
► Architect
► **Development (Correct)**
► HR

Question No: 13 (Marks: 1) - Please choose one
_____ waits for some time and then launch a function.

► Timeout( )
► **setTimeout( ) (Correct)**
► setTime( )
► setTimeIn( )

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Question No: 14 (Marks: 1) - Please choose one
Which of the following is NOT an event handler for image object?

► onAbort
► onError
► onLoad
► **onUser (Correct)**

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Question No: 15 (Marks: 1) - Please choose one
_____ is a field that uniquely identifies each record stored in a table.

- Composite Key
- **Primary key (Correct)**
- Foreign key
- None of the given options

Question No: 16 (Marks: 1) - Please choose one
Distance learning has got a boost due to the _____.

- Easy communication
- Online interactive contents
- Flexibility
- **All of the given options (Correct)**

Question No: 17 (Marks: 1) - Please choose one
By default in a web page Hyper Link for another web page is represented as _____

- Blue only
- Black and Underlined
- Blue and Bold
- **Blue and Underlined (Correct)**

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Question No: 18 (Marks: 1) - Please choose one
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) (Correct)**

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Question No: 19 (Marks: 1) - Please choose one
Which one is the best option for designing a Medical Expert System?

► Rule Based System
► Genetic Algorithm
► Fuzzy Logic
► Neural Network

Question No: 20 (Marks: 1) - Please choose one
Variables allow us to manipulate data through the _____.

► Actual Value
► **Reference (Correct)**
► Length
► Name

Question No: 21 (Marks: 1) - Please choose one
Which is correct?

► **onUnload (Correct)**

► onUnLoad

► onUNLOAD

► All of the above

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Question No: 22 (Marks: 1) - Please choose one
Capturing events and responding to them is called _____.

► Function Handling

► **Event Handling (Correct)**

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► Event Procedure

► All of the given option

Question No: 23 (Marks: 1) - Please choose one
_____ color should be used in background for a good presentation.

► Light

► **Dark (Correct)**

► Red

► None of the given options

Question No: 24 (Marks: 1) - Please choose one
Which of the following symbol is used for multiple line comments in JavaScript?

► /
► //
► **/* (Correct)**
► //*

Question No: 25 (Marks: 1) - Please choose one
In JavaScript, what will be the result of the follwoing operation
79%3
► 0
► **1 (Correct)**
► 2
► 3

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Question No: 26 (Marks: 1) - Please choose one
A new cell using HTML is added in table row by
► <TC>…</TC>

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► **<TR>…</TR> (Correct)**

► <TD>…</TD>
► <NC>…</NC>

Question No: 27 (Marks: 1) - Please choose one
TCP stands for _____.
► Total communication protocol
► **Transmission control protocol (Correct)**
► Transfer control protocol
► Transfer collection protocol

Question No: 28 (Marks: 1) - Please choose one
What is NOT a key factor while designing a website?
► Usability
► User-friendly
► Consistency
► **Complexity (Correct)**

Question No: 29 (Marks: 1) - Please choose one

It represents the _____ flow chart element.

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► Process
► Input or Output
► Decision
► Connector

Question No: 30 (Marks: 1) - Please choose one
Vacuum tubes were replaced by ___
► Punch cards
► **Transistors (Correct)**
► Micro Processors

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► Resistors

Question No: 31 (Marks: 1)
When does recursion occur?

Question No: 32 (Marks: 1)
What are the types of computer network according to the distance between nodes ?

Answer:
There are two types of networks.

1. **LAN (Local Area Network)**
2. **WAN (Wide Area Network)**

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

► one
► two
► three
► four

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Question No: 2 (Marks: 1) - Please choose one
Blue Pacific is a name of ____Super__ computer.

► Mini
► Desktop
► Micro
► Super

Question No: 3 (Marks: 1) - Please choose one

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Monte Carlo algorithm is an example of Randomized algorithm

► Randomized algorithm

► Greedy algorithm

► both greedy and randomized

► Heuristics

Question No: 4 (Marks: 1) - Please choose one
A set of stand alone productivity applications designed to work together known as __
Productivity software suites .

► Productivity software suites

► Compiled software

► Secure software

► Intelligent software

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Question No: 5 (Marks: 1) - Please choose one
The most used form tag is the <input> tag. - False

► True
► False

Question No: 6 (Marks: 1) - Please choose one
What is the key feature of computer which is against human nature.?
Can't get bored.
► Can't get bored.

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► Pattern recognition
► Repetition

► None

Question No: 7 (Marks: 1) - Please choose one
___ Word Processor Software __ was designed as a replacement for typewriter
► Spreadsheet Software
► Word Processor Software
► Presentation Software
► Database Software

Question No: 8 (Marks: 1) - Please choose one
Forms can be submitted by using _____2____ different methods
► 2
► 3
► 4
► 5

Question No: 9 (Marks: 1) - Please choose one
To display a checkbox on the web page, we use __INPUT_ tag
► CHECKBOX
► CHECK
► INPUT
► INPUTBOX

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Question No: 10 (Marks: 1) - Please choose one
_Name __ attribute of FORM tag is used to mention a URL when the form is being submitted
► name
► action
► method
► submit

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Question No: 11 (Marks: 1) - Please choose one
You can __Read Only_____ from/to a website containing interactive forms.
► Only read
► Only write
► Read and write
► Not read and write

Question No: 12 (Marks: 1) - Please choose one
Using COLSPAN, number of rows of the current cell should extend itself None of the given choices

► Upward
► Downward
► Both Upward and Downward
► None of the given choices

Question No: 13 (Marks: 1) - Please choose one
ASCII WHITE is the fastest Super computer which can perform _1.3 trillion__ calculations in one second.
► 1.3 billion
► 1.3 trillion
► 1.3 miillion
► 1.3 thousand

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Question No: 14 (Marks: 1) - Please choose one
_HTML___ is a related collection of WWW files that includes a beginning file called a homepage
► HTML
► Website
► HTTP
► Web page

Question No: 15 (Marks: 1) - Please choose one

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If a computer could pass the Turing test then it would be able to: think like human beings

► think like human beings
► do the things faster
► win a million dollar prize
► store more information

Question No: 16 (Marks: 1) - Please choose one
The key strengths of computers are - Speed
► Speed
► Storage
► Do not get bored
► All of the given choices

Question No: 17 (Marks: 1) - Please choose one
Compared to vacuum tubes, Transistors offer: All of the given choices
► Much smaller size
► Better reliability
► Much lower cost
► All of the given choices

Question No: 18 (Marks: 1) - Please choose one
Which of the following is NOT a component of IC? Resistors
► Transistors
► Diodes
► Resistors
► Vacuum tubes

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Question No: 19 (Marks: 1) - Please choose one
When we use <INPUT type="password">, what will happen? - Text will be in **** format

► Text will not be visible

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► Text will be in normal format

► Text will be in **** format

► Text will be in #### format

Question No: 20 (Marks: 1) - Please choose one
Spread sheet is a type of _ Mathematical software _____.
► Productivity software
► Engineering software
► Mathematical software
► Business software

Question No: 21 (Marks: 1) - Please choose one
Word Processor is a ____ Application Software__
► System Software
► Application Software
► Device
► Utility

Question No: 22 (Marks: 1) - Please choose one
_ Utility Program refers to the firmware code which is run by an IBM compatible PC when first powered on.
► DOS
► BIOS
► Utility Program
► None of these

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Question No: 23 (Marks: 1) - Please choose one
A computer program that facilitates the communication between the computer and a peripheral device is called____ Language Translator _____

► Operating system

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► Utilities
► Language Translator
► Device Drives

Question No: 24 (Marks: 1) - Please choose one
In JavaScript, what will be the result of the following operation 79%3
► 0
► 1
► 2
► 3

Question No: 25 (Marks: 1) - Please choose one
Which of the following number system is used by microprocessor? Binary

► Binary
► Decimal
► Octal
► Hexadecimal

Question No: 26 (Marks: 1) - Please choose one
Web site is collection of related ___ Information___
► Web pages
► Information
► Search Engines
► None of the given choices

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Question No: 1 Marks: 1 Please choose one

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In Spreadsheets, you can create a relationship between two cells by using
Numbers
Text
Formulas
None of given option

Question No: 2 (Marks: 1) - Please choose one

An algorithm that always takes the best immediate or local solution while finding an answer is called
Deterministic Algorithm
Non deterministic Algorithm
Greedy Algorithm
Randomized Algorithm

Question No: 3 (Marks: 1) - Please choose one

Which of the following command allows you to recover form mistakes in MS Word?
Clear
Edit
Undo
Break

Question No: 4 (Marks: 1) - Please choose one

An operating system allows many users to take advantage of the computer's resources, simultaneously
Single user
Multi- user
Single tasking
Multi tasking

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Question No: 5 (Marks: 1) - Please choose one

Network Interface Card is an _____device.
Input
Output
Input/Output
Storage

Question No: 6 (Marks: 1) - Please choose one

The decimal equivalent of binary 1000 is
7

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8
9
10

Question No: 7 (Marks: 1) - Please choose one

Which of the following is NOT RDBMS software?

My Sql
MS Excel
Oracle
SQL Server

Question No: 8 (Marks: 1) - Please choose one

A computer virus is a

Software that saves the computer from being damaged.
Application software that helps to make different type of viruses and worms
Program that spreads itself and destroys other program
Program that corrects the problems in your computer

Question No: 9 (Marks: 1) - Please choose one

What will be the result of a?

a = Math.abs(-23)

23
-23
23.0
2.3

Question No: 10 (Marks: 1) - Please choose one

A Special program required to view swf (Shockwave Flash) files in web Browser is called

TFlash
Vflash
plug-in
None of the given options

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Question No: 11 (Marks: 8)

Match the relevant options from the given two columns and write the correct options in Column 3.

Column 1	Column 2	Column 3

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1. Mainframe Computers 2. Mosaic 3. Operating System 4. Router 5. Spread Sheet 6. Mobile Computer 7. Intel 4004 8. Cyber Crime	A. Network Traffic controller B. Laptop C. Micro Processor D. Software Piracy E. Windows XP F. Enterprise Servers G. VisiCalc H. Web Browser	Enterprise Servers Web Browser Windows XP Network Traffic controller VisiCalc Laptop Micro Processor Software Piracy

Question No: 12 (Marks: 12

Question No: 1 (Marks: 2) - Please choose one

Which statement is wrong for naming an identifier?

Identifiers are names used by JavaScript to refer to variables, objects, properties, methods, and functions.

An identifier must begin with an alphabetical character (a-z or A-Z), underscore "_" character or $ character.

Subsequent characters can be an alphabetical (a-z or A-B) or numeric character (0-9) or an underscore

Question No: 2 (Marks: 2) - Please choose one

Which of the following words can't be used for naming an identifier in JavaScript?

struct

plugin

parent

package

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Question No: 3 (Marks: 2) - Please choose one

Data Management comes up with different issues except one:

Data entry

Data updates

Data integrity

Data security

Data presentation

Question No: 4 (Marks: 2) - Please choose one

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Choose correct statement.
The value of a variable can not be changed during execution of the script.
In JavaScript a variable's type is defined before usage.
The untyped feature makes JavaScript simpler to program in when developing short programs.
The untyped feature makes JavaScript simpler to program in when developing big programs.

Question No: 1 (Marks: 1) - Please choose one
FTP stands for
File transmission protocol

File transmission path

File transfer protocol

Fine Transfer path

Question No: 3 (Marks: 1) - Please choose one
A function is also called
program
Procedure
Sub-routine
All of the these

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Question No: 4 (Marks: 1) - Please choose one
Command that allows you to remove mistakes
Copy
Delete
Cut
Undo

Question No: 4 (Marks: 1) - Please choose one
URL is a/an _____.
Device
Component
Address

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Question No: 1 (Marks: 1) - Please choose one
What computer hardware is essential for connecting two computers in Local Area Network?
Modem
Ethernet card
VGA
Internet Connection
Question No: 2 (Marks: 1) - Please choose one
The instruction written in high-level language are converted into low-level language by the _____
Operating System
Compiler
Parser
Router
Question No: 3 (Marks: 1) - Please choose one
Which software can provide results of mathematical calculations very easily?
Spreadsheets
Image processor
Word processor
None of these
Question No: 4 (Marks: 1) - Please choose one

Which of the following is the extension of graphics files?
.doc
.mdb
.gif
.tmp
Question No: 5 (Marks: 1) - Please choose one
A hardware device that stores data and programs, executes program instructions, and performs arithmetic/logic operations is known as the ____.
CPU
Integrated Circuit
Main Storage
Memory
Question No: 6 (Marks: 1) - Please choose one

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The input device that reads printed characters, symbols, or graphical images into the computer is the:
Sensors
Speech recognition
Mouse.
Scanner
Question No: 7 (Marks: 1) - Please choose one
The component of the central processing unit that holds instructions, stores data and keeps results during the processing is called the:
Arithmetic/Logic unit.
Control unit.
Main memory.
Micro processing chip.
Question No: 8 (Marks: 1) - Please choose one
The software that is used to write/send/receive an e-mail is called
Web browser
Mail Binder
E-mail Handler
E-mail Client
Question No: 9 (Marks: 1) - Please choose one
A computer virus is a _____
Software that saves the computer from being damaged.
Application software that helps to make different type of viruses and worms
Program that spreads itself and destroys other program
Program that corrects the problems in your computer
Question No: 10 (Marks: 1) - Please choose one
What does internet service provider mean?
A software that helps you to connect to internet
A company that helps you to connect to internet
A software that allows you to send/receive e-mails
A telephone network which helps you to connect to internet
Paper 5555
Which of the following cannot come between the <Body></Body> tag
A. <P>

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B. <A HERF></A>
C. <Title></Title>
D.
</BR>
Question No: 8
Modem is used:
A. Only to enter data into computer
B. For calculating huge numbers
C. For communication of data between internet and your computer
D. To write information on the world wide web
Question No: 9
Search engines:
A. Scan the entire web for the desired information
B. Search the news groups for the required information
C. Make the list of images that are available on the net
D. Are built to facilitate the scientists
Question No: 10
ARPANET i
A. **World's first network**
B. Network protocol
C. Latest Internet site
D. Internet game
Question No: 11
A group of binary digits that a computer manipulate as a unit is called
A. Byte
B. Word
C. **Bit**
D. Hertz

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PAPER 6666

Total Marks: 50
Questions: 14

Question No. 1

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Micro controller

1 Are faster then microprocessor
2 Is another name for microprocessor?
3 Are complete computer on a chip
4 Cost thousands of dollar per piece

Question No. 2

Two major types of software are

1 Application Software , System Software
2 Application Software , Database Software
3 System Software , Database Software
4 Database Software , Embedded Software

Question No. 3

Marks : 5

How Operating System software does manage a device when a particular application is executed? Explain with at least one example?

Question No. 4

Word representing the protocol in URL http://www.microsoft.com is

1 www
2 Microsoft
3 microsoft.com
4 http

Question No. 5

What do you know about WWW and what are the basic elements of web design?

Question No. 6

What do you know about Neural Networks and give any two examples.

Question No. 7

Define and explain Greedy Algorithm briefly. You are also required to give key advantage and
an example of Greedy Algorithm.

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Question No. 8 Marks : 6

Determine the correct reserved words of JavaScript from the following list and explain them briefly.

1 document
2 read
3 alert
4 delete
5 function
6 comment

paper 7777

Question No: 1 (Marks: 1) - Please choose one

Which function returns a randomly selected floating point number between 0 and 1 ?

- ► floor(x)
- ► ceil(x)
- ► **random()(Correct)**
- ► round(x)

Question No: 2 (Marks: 1) - Please choose one

Functions are also called:

- ► Heuristics
- ► Variables
- ► Arrays
- ► Subprograms

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Question No: 3 (Marks: 1) - Please choose one

In JavaScript, each element of array can store data of type

- ► A Number
- ► An Array
- ► A String variable
- ► **All of the given choices**

Question No: 4 (Marks: 1) - Please choose one

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The weaknesses of the computer are:

► Pattern recognition & Storage
► Speed & Innovative ideas
► **Pattern recognition & Innovative ideas**
► Speed & Storage

Question No: 5 (Marks: 1) - Please choose one
Processed data is called _____.

► **Information**
► Data
► Entity
► Attribute

Question No: 6 (Marks: 1) - Please choose one
Many developers write the _____ first and then incrementally convert each line into _____.

► Real code & Pseudo code
► Pseudo code & Real code
► Real code & Artificial code
► **None of the given options**

Question No: 7 (Marks: 1) - Please choose one
When we buy a software package, we do not really buy it, we just by a license that allows us to use it, the _____stays with the maker.

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► Agreement
► **Ownership**
► Membership
► Software

Question No: 8 (Marks: 1) - Please choose one
Name, Border, Source are the _____ of the image object.

► Event Handler

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► Properties
► Methods
► None of the given options

Question No: 9 (Marks: 1) - Please choose one
Using smart editors they can automatically color different parts of statements in different colors e.g. HTML tags in _____ color.

► Green
► Grey
► **Blue**
► None of the given options

Question No: 10 (Marks: 1) - Please choose one
_____ is in Executive team.
► **Project Manager**
► CEO
► Team Lead
► Developer

Question No: 11 (Marks: 1) - Please choose one
Module level design and unit testing the responsibility of _____.
► Team Lead
► **Developer**
► Project Manager
► Quality Assurance Expert

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Question No: 12 (Marks: 1) - Please choose one
_____ team is responsible for a project after the specification's stage till the very end.
► Executive
► Architect
► **Development** (Correct)
► HR

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Question No: 13 (Marks: 1) - Please choose one
_____ waits for some time and then launch a function.

► Timeout( )
► **setTimeout( )** (Correct)
► setTime( )
► setTimeIn( )

Question No: 14 (Marks: 1) - Please choose one
Which of the following is NOT an event handler for image object?

► onAbort
► onError
► onLoad
► **onUser** (Correct)

Question No: 15 (Marks: 1) - Please choose one
_____ is a field that uniquely identifies each record stored in a table.

► Composite Key
► **Primary key** (Correct)
► Foreign key
► None of the given options

Question No: 16 (Marks: 1) - Please choose one
Distance learning has got a boost due to the _____.

► Easy communication
► Online interactive contents
► Flexibility
► **All of the given options** (Correct)

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Question No: 17 (Marks: 1) - Please choose one
By default in a web page Hyper Link for another web page is represented as
_____

► Blue only

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► Black and Underlined
► Blue and Bold
► **Blue and Underlined** (Correct)

Question No: 18 (Marks: 1) - Please choose one
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)** (Correct)

Question No: 19 (Marks: 1) - Please choose one
Which one is the best option for designing a Medical Expert System?
► Rule Based System
► Genetic Algorithm
► Fuzzy Logic
► Neural Network

Question No: 20 (Marks: 1) - Please choose one
Variables allow us to manipulate data through the _____.
► Actual Value
► **Reference** (Correct)
► Length
► Name

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Question No: 21 (Marks: 1) - Please choose one
Which is correct?

► **onUnload** (Correct)

► onUnLoad

► onUNLOAD

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► All of the above

Question No: 22 (Marks: 1) - Please choose one
Capturing events and responding to them is called _____.
► Function Handling
► **Event Handling** (Correct)
► Event Procedure
► All of the given option

Question No: 23 (Marks: 1) - Please choose one
_____ color should be used in background for a good presentation.
► Light
► **Dark** (Correct)
► Red
► None of the given options

Question No: 24 (Marks: 1) - Please choose one
Which of the following symbol is used for multiple line comments in JavaScript?

► /
► //
► **/*** (Correct)
► //*

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Question No: 25 (Marks: 1) - Please choose one
In JavaScript, what will be the result of the follwoing operation
79%3
► 0
► **1** (Correct)
► 2
► 3

Question No: 26 (Marks: 1) - Please choose one

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A new cell using HTML is added in table row by

- <TC>…</TC>
- **<TR>…</TR>** (Correct)

- <TD>…</TD>
- <NC>…</NC>

Question No: 27 (Marks: 1) - Please choose one

TCP stands for _____.

- Total communication protocol
- **Transmission control protocol** (Correct)
- Transfer control protocol
- Transfer collection protocol

Question No: 28 (Marks: 1) - Please choose one

What is NOT a key factor while designing a website?

- Usability
- User-friendly
- Consistency
- **Complexity** (Correct)

Question No: 29 (Marks: 1) - Please choose one

It represents the _____ flow chart element.

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- Process
- Input or Output
- Decision
- **Connector**

Question No: 30 (Marks: 1) - Please choose one

Vacuum tubes were replaced by ___

- Punch cards
- **Transistors** (Correct)

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- Micro Processors
- Resistors

Question No: 31 (Marks: 1)
When does recursion occur?

Question No: 32 (Marks: 1)
What are the types of computer network according to the distance between nodes ?

Answer:
There are two types of networks.
1. LAN (Local Area Network)
2. WAN (Wide Area Network)

Question No: 33 (Marks: 2)
What is meant by semantic error ?

Answer:
Occur when a statement executes and has an effect not intended by the programmer and Often times occur only in unusual & infrequent circumstances

Question No: 34 (Marks: 2)
List down the names of two array methods available in JavaScript.

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Answer:
1. sort( ) [sorts elements in alphabetical order]
2. reverse( ) [Reverses the order of elements]

Question No: 35 (Marks: 3)
How can you define a consistent web design? Why is it needed?

Answer:
A consistent good designed website is generated for general public that allows users to

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attain what they want as quickly as possible without spending much effort.

A consistent good design assists the user in recovering from errors.

Question No: 36 (Marks: 3)
How can we include images in a web page using HTML and Java script?

Answer:
Image in HTML
<IMG src=URL, alt=text height=pixels width=pixels align="bottom|middle|top">

Image in Javascript
Images in JavaScript can be manipulated in many ways using the built-in object Image.
Additional properties to HTML are hspace, vspace & lowsrc.
Example: It can be used by many handlers like, onAbort, onLoad & onError

Question No: 37 (Marks: 3)
The event handler attribute consists of three parts. Write about each of them.

Answer :
The identifier of the event handler
The equal sign
A string statement enclosed in double or single quotes.

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PAPER 8888

Question No: 38 (Marks: 5)
What is a packet in the network environment? What kind of information does it contain?

Answer:
- Packet is data chopped up into pieces in a network environment.
- These packets contain information about which computer sent the data and where the data is going.

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- If a packet runs into a problem during its trip, it can attempt to find another route. When all the packets get where they are going, the recipient computer puts them together again.

Question No: 40 (Marks: 10)

Write down HTML and JavaScript code for the following requirements:
Declare an Array with the identifier SUBJECT having length 5. Assign following values to the array elements:
MIS, Java, Algorithms, Databases, C++
Show all values in reverse order.

Question No: 41 (Marks: 10)

How instant messaging works? Write the steps involved in this process.

Answer:

The Instant Messaging services available allow us to maintain a list of people (contacts) that we interact with regularly. We can send instant messages to any of the contacts in our list as long as that contact is online.

Following steps are involved in IM working.

1. **User commences the IM client.**
2. **IM client finds the IM server & logs in.**

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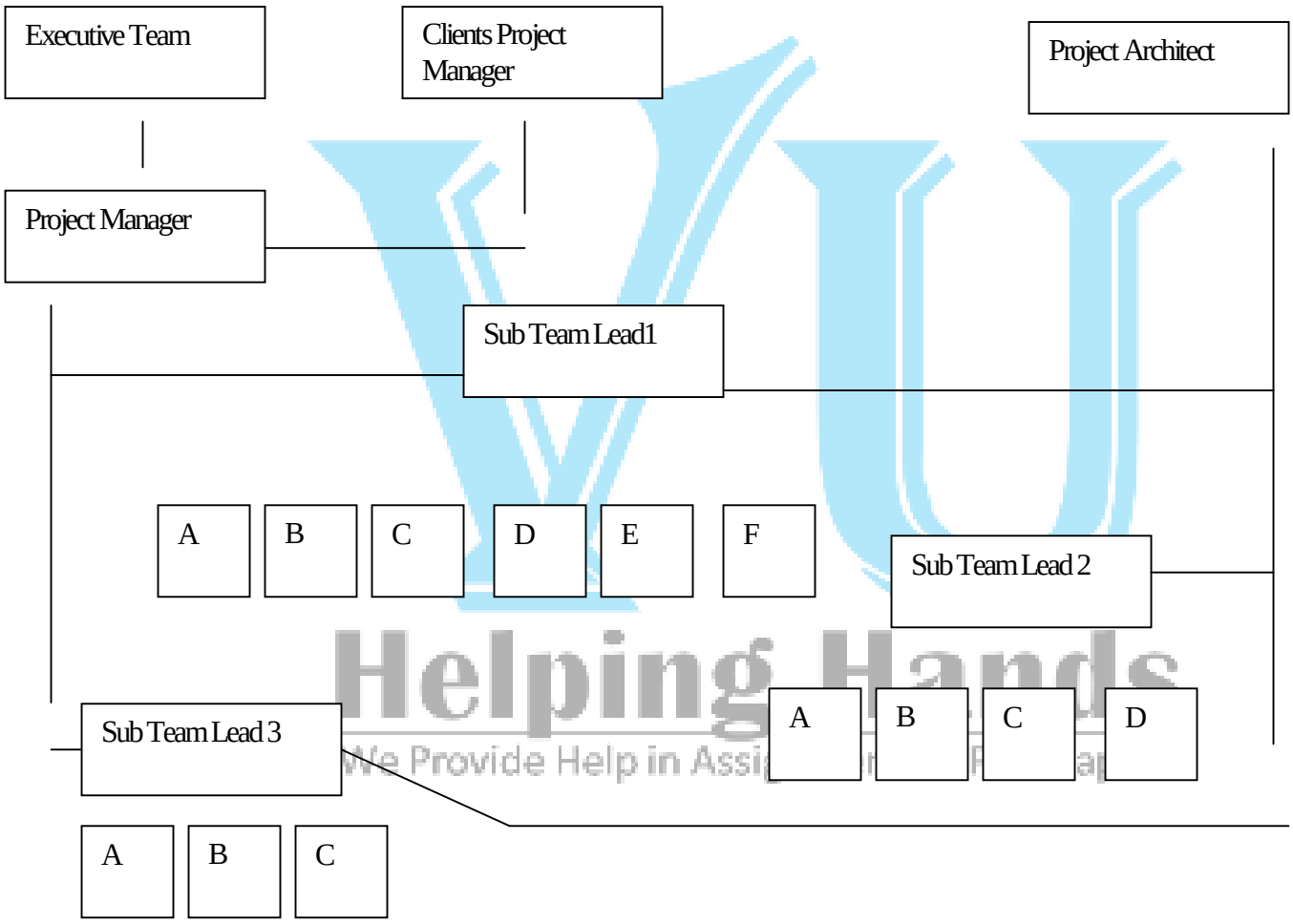
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Question No: 39 (Marks: 5)

Suppose we have a big project. Draw hierarchy of the people involved in the project?

Answer:

Please ignore small lines relating Sub Teams to subordinates due to shortage of time. ABCD etc are connected directly to Team Lead 1,2 & 3 accordingly.



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Question No: 1 (Marks: 2) - Please choose one
s
Which statement is wrong for naming an identifier?

Identifiers are names used by JavaScript to refer to variables, objects, properties, methods, and functions.
An identifier must begin with an alphabetical character (a-z or A-Z), underscore “_” character or $ character.
Subsequent characters can be an alphabetical (a-z or A-B) or numeric character (0-9) or an underscore

Question No: 2 (Marks: 2) - Please choose one
Which of the following words can’t be used for naming an identifier in JavaScript?
struct
plugin
parent
package
s

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Question No. 1
Micro controller
1 Are faster then microprocessor
2 Is another name for microprocessor?
3 Are complete computer on a chip
4 Cost thousands of dollar per piece
Question No. 2
Two major types of software are

1 Application Software , System Software
2 Application Software , Database Software
3 System Software , Database Software
4 Database Software , Embedded Software
Question No. 3
How Operating System software does manage a device when a particular application is
executed? Explain with at least one example?
Question No. 4
Word representing the protocol in URL http://www.microsoft.com is
1 www
2 Microsoft
3 microsoft.com
4 http
Question No. 5
What do you know about WWW and what are the basic elements of web design?
Question No. 6
What do you know about Neural Networks and give any two examples.
Question No. 7
Define and explain Greedy Algorithm briefly. You are also required to give key advantage and
an example of Greedy Algorithm.
Question No. 8
Determine the correct reserved words of JavaScript from the following list and explain them

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briefly.

1 document
2 read
3 alert
4 delete
5 function
6 comment

Question No. 9

Discuss any three issues/characteristics of Data Management.

Question No. 10

Write function using JavaScript. The name of function will be "display( )". The "display( )" function will display the following string as shown below:

X3 + Y2

[Hint: Use string methods sub( ) and sup( )]

The "display( )" function should be called at onLoad event.

Question No. 11

Consider the following code

```
pitch = "hard"
bowler="slow"
if ( (pitch == "hard") || (bowler == "fast") )
myStatus = "Bouncer" ;
else
myStatus = "Short Pitch" ;
```

Variable myStatus will contain the value:

1 Bouncer
2 Short Pitch
3 Hard
4 Slow

Question No. 12

What does the following JavaScript code

```
function changeBgcolor()
{
```

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```
oldColor = window.document.bgColor;
window.document.bgColor = "pink";
window. alert("The old color was " + oldColor);
}
```

1 Change the Color of Window document to pink and nothing else

2 Change the Color of Window document to pink and display the name of old Color in a dialogue box

3 Change the Color of Window document to Blue and displays name of old color in a dialogue box

4 Create a form in window document

Question No. 13

Examine and explain the logic of following pseudo code:

```
Let the decimal number be an integer x, x > 0
Let the binary equivalent be an empty string y
Repeat while x > 0
{
Determine the quotient & remainder of x ÷ 2
y = CONCATENATE( remainder, y )
x = quotient
}
Print y
Stop
```

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Question No: 7

Which of the following cannot come between the <Body></Body> tag

A. <P>
B. <A HERF></A>
C. <Title></Title>
D.
</BR>

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Question No: 8
Modem is used:
A. Only to enter data into computer
B. For calculating huge numbers
C. For communication of data between internet and your computer
D. To write information on the world wide web
Question No: 9
Search engines:
A. Scan the entire web for the desired information
B. Search the news groups for the required information
C. Make the list of images that are available on the net
D. Are built to facilitate the scientists
Question No: 10
ARPANET is a:
A. World's first network
B. Network protocol
C. Latest Internet site
D. Internet game
Question No: 11
A group of binary digits that a computer manipulate as a unit is called
A. Byte
B. Word
C. Bit
D. Hertz
PAPER 000000000
Question No: 1 (Marks: 1) - Please choose one
What computer hardware is essential for connecting two computers in Local Area Network?
Modem
Ethernet card
VGA
Internet Connection
Question No: 2 (Marks: 1) - Please choose one
The instruction written in high-level language are converted into low-

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level language by the _____
Operating System
Compiler
Parser
Router
Question No: 3 (Marks: 1) - Please choose one
Which software can provide results of mathematical calculations very easily?
Spreadsheets
Image processor
Word processor
None of these
Question No: 4 (Marks: 1) - Please choose one

Which of the following is the extension of graphics files?
.doc
.mdb
.gif
.tmp
Question No: 5 (Marks: 1) - Please choose one
A hardware device that stores data and programs, executes program instructions, and performs arithmetic/logic operations is known as the ____.
CPU
Integrated Circuit
Main Storage
Memory
Question No: 6 (Marks: 1) - Please choose one

The input device that reads printed characters, symbols, or graphical images into the computer is the:
Sensors
Speech recognition
Mouse.
Scanner
Question No: 7 (Marks: 1) - Please choose one

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The component of the central processing unit that holds instructions, stores data and keeps results during the processing is called the:
Arithmetic/Logic unit.
Control unit.
Main memory.
Micro processing chip.
Question No: 8 (Marks: 1) - Please choose one

The software that is used to write/send/receive an e-mail is called
Web browser
Mail Binder
E-mail Handler
E-mail Client
Question No: 9 (Marks: 1) - Please choose one
A computer virus is a _____
Software that saves the computer from being damaged.
Application software that helps to make different type of viruses and worms
Program that spreads itself and destroys other program
Program that corrects the problems in your computer
Question No: 10 (Marks: 1) - Please choose one
What does internet service provider mean?
A software that helps you to connect to internet
A company that helps you to connect to internet
A software that allows you to send/receive e-mails
A telephone network which helps you to connect to internet
Question No: 1 (Marks: 2) - Please choose one
Which statement is wrong for naming an identifier?
Identifiers are names used by JavaScript to refer to variables, objects, properties,
methods, and functions.

An identifier must begin with an alphabetical character (a-z or A-Z), underscore
"_" character or $ character.

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Subsequent characters can be an alphabetical (a-z or A-B) or numeric character
(0-9) or an underscore

Question No: 2 (Marks: 2) - Please choose one
Which of the following words can't be used for naming an identifier in JavaScript?
struct
plugin
parent
package

Question No: 3 (Marks: 2) - Please choose one
Data Management comes up with different issues except one:
Data entry
Data updates
Data integrity
Data security
Data presentation

Question No: 4 (Marks: 2) - Please choose one

Choose correct statement.
The value of a variable can not be changed during execution of the script.
In JavaScript a variable's type is defined before usage.
The untyped feature makes JavaScript simpler to program in when developing short
programs.

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The untyped feature makes JavaScript simpler to program in when developing big
programs.

Question No: 1 (Marks: 1) - Please choose one
Using Java Script you can write a character at random location on

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screen
- By applying randomCh() method
- With the help of String object
- With the help of random character property
- There is no built in approach in Java Script

Question No: 2 (Marks: 1) - Please choose one
If incorrectly we enter the negative age it is check by
- Limit Integrity
- Type Integrity
- Referential Integrity
- Physical Integrity

Question No: 3 (Marks: 1) - Please choose one
The Encryption of data is related to
- Data updates
- Data security
- Data integrity
- Data accessibility

Question No: 4 (Marks: 1) - Please choose one
Which protocol is use to transfer a file over the network ?
- UDP
- **FTP**
- TCP
- OSI

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Question No: 5 (Marks: 1) - Please choose one
One can send an email message to a remote computer using _____ protocol
- **HTTP**
- SMTP
- FTP
- TELNET

Question No: 6 (Marks: 1) - Please choose one

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

► **Hard part**
► Simple part
► Development part
► Quality part

Question No: 7 (Marks: 1) - Please choose one
Flow control constructs in JavaScript includes:

► If-Else
► Loops and If -Else
► Switch and If-Else
► All of the given choices

Question No: 8 (Marks: 1) - Please choose one
___ provides a simple, consistent way for applications to interact with the HW without having to know all the details of the HW

► Explorer.exe
► System Files
► Operating System
► Application Software

Question No: 9 (Marks: 1) - Please choose one
Machine language is also called

► Assembly Language
► Binary Language
► High Level Language
► HTML Language

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Question No: 10 (Marks: 1) - Please choose one
_____ is the best known builder for supercomputers.

► Sun
► Cray Research
► **Microsoft**
► Apple

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Question No: 11 (Marks: 1) - Please choose one
The weaknesses of the computer are:
► Pattern recognition & Storage
► Speed & Innovative ideas
► Pattern recognition & Innovative ideas
► Speed & Storage

Question No: 12 (Marks: 1) - Please choose one
Communication protocol is a _____that governs the flow of information over a network
► Set of methods
► Set of protocols
► **Set of rules**
► Device

Question No: 13 (Marks: 1) - Please choose one
_____ team is responsible for the maintenance, expansion , improvement of the infrastructure consisting of workstations, networking equipment, software and network security.
► Support
► Configuration Management
► **Quality Assurance**
► Developer

Question No: 14 (Marks: 1) - Please choose one
_____ team consists on the sharpest technical minds in the company.
► Architecture
► Business Development
► Configuration Management
► **Developer**

Question No: 15 (Marks: 1) - Please choose one
_____ is responsible for day to day operations.
► CEO
► COO

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► CMSO
► Developer

Question No: 16 (Marks: 1) - Please choose one
One of the key responsibilities of the _____ is client relationship management.
► Project Manager
► Team Lead
► Developer
► Quality Assurance Engineer

Question No: 17 (Marks: 1) - Please choose one
What is the major problem with flash based website?
► Its two heavy
► Cannot be indexed
► Less attractive
► Inaccessible

Question No: 18 (Marks: 1) - Please choose one
Which of the following is NOT an event handler for image object?
► onAbort
► onError
► onLoad
► onUser

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Question No: 19 (Marks: 1) - Please choose one
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 options

Question No: 20 (Marks: 1) - Please choose one
country=”Hello Pakistan”;
document.write(country.charAt(6));

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The out put of the above statement is _____.

- o
- P
- a
- k

Question No: 21 (Marks: 1) - Please choose one

a = Math.abs(-23)

What will be the value of a ?

- 23
- -23
- 23.0
- 2.3

Question No: 22 (Marks: 1) - Please choose one

ERP is a type of _____ .

- Entertainment software
- Productivity software
- Business software
- Scientific software

Question No: 23 (Marks: 1) - Please choose one

In Genetic Algorithm the most important thing you should know, is the _____.

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- Procedure
- Recognition of a good solution
- Different techniques
- None of the given options

Question No: 24 (Marks: 1) - Please choose one

According to a popular heuristic, success is defined by _____.

- The user
- The builder

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► **Both user and builder**
► None of the given options

Question No: 25 (Marks: 1) - Please choose one
Rule of thumb learned through trial and error is called _____.
► Design
► **Heuristic**
► Plan
► Aim

Question No: 26 (Marks: 1) - Please choose one
JavaScript Variables are _____.
► Dynamically Typed
► Statically Typed
► Strong Typed
► None of the given options

Question No: 27 (Marks: 1) - Please choose one
Which of the following application is collections of cells?

► Word
► **Excel**
► PowerPoint
► Outlook Express

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Question No: 28 (Marks: 1) - Please choose one
The browser breaks down the URL into _____ parts.
► 2
► 3
► 4
► 5

Question No: 29 (Marks: 1) - Please choose one
A named collection of properties (data, state) and methods (instruction, behavior) is called _____.
► Array

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► Function
► Variable
► Object

Question No: 30 (Marks: 1) - Please choose one
First computer network was _____.
► NSFNET
► FIRSTNET
► **ARPANET**
► ORPHANET

Question No: 31 (Marks: 1)
What kind of information can be stored in a database?

Question No: 32 (Marks: 1)
What does NIC stand for?

Question No: 33 (Marks: 2)
What is Information Technology?

Question No: 34 (Marks: 2)
What is meant by universal access of internet services ?

Question No: 35 (Marks: 3)
Write JavaScript code to convert the number 236.2363611111556 into currency format and JavaScript statement to show output.

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Question No: 36 (Marks: 3)
Briefly mention any three problems in old modes of presentation development

Question No: 37 (Marks: 3)
What is the difference between Internet and Intranet ?
Intra net is the communication of computer with in office or one building and internet across the boundaries

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Question No: 38 (Marks: 5)
Suppose we have a big project. Draw hierarchy of the people involved in the project?
Project director
Assistanst director
Research and planning director
Monitoring and evalution officer
Procurement office
Accounts officer
Executive officer

Question No: 39 (Marks: 5)
Show output of the following code:

```
for (i=0; i<=10; i++)
{
document.write("The number is " + i);
document.write("<br />");
}
```

Question No: 40 (Marks: 10)
Write a note on the following (4+6)

a. Two popular review methods
b. Two types of errors

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Question No: 41 (Marks: 10)
Define the following terms:

A) Heuristic
B) System
C) System architecture
D) Analysis of Algorithm

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Question No: 1 (Marks: 1) - Please choose one
-------- was known as “mill” in Analytical engine.
► Memory
► Processor
► Monitor
► Mouse
Ref: An arithmetical unit (the "mill") would be able to perform all four arithmetic operations, plus comparisons and optionally square roots. Initially it was conceived as a difference engine curved back upon itself, in a generally circular layout,[2] with the long store exiting off to one side.

Question No: 2 (Marks: 1) - Please choose one
First electronic computer was
► ABC
► UNVAC 1
► Harvard Mark 1
► IBM PC

Question No: 3 (Marks: 1) - Please choose one
What is NOT a key factor while designing a website?
► Usability
► User-friendly
► Consistency
► Complexity

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Question No: 4 (Marks: 1) - Please choose one
What happens if I start a new list without closing the original one?

► An error will be generated
► A nested list will be created
► Previous list will end and a new will start.
► Nothing will happen

Question No: 5 (Marks: 1) - Please choose one

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The most upper right pixel of the screen is of _____ color.

- Any
- Red
- Green
- Blue

Question No: 6 (Marks: 1) - Please choose one

A single pixel can acquire approximately _____ color schemes.

- 1 million
- 2 million
- 10 million
- 16 million

Question No: 7 (Marks: 1) - Please choose one

The idea of Neural Networks field is based upon _____.

- Human nature
- **Human brain**
- Human culture
- Human actions

Question No: 8 (Marks: 1) - Please choose one

Which one of the following is an application for artificial intelligence?

- Robotic
- Web Agent
- Decision Support System
- All of the given options

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Question No: 9 (Marks: 1) - Please choose one

Register is a kind of _____memory

- Fast
- Super fast
- Slow
- Very slow

Question No: 10 (Marks: 1) - Please choose one

Which of the following is a true statement?

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► Flat-file storage is better than tabular storage.
► Tabular storage is better than flat-file storage.
► Flat-file storage is better than relational storage.
► None of the given options

Question No: 11 (Marks: 1) - Please choose one
substring(n, m) returns a string containing characters copied from position n to_____.
► m – 2
► m – 1
► m + 1
► m

Question No: 12 (Marks: 1) - Please choose one
The _____ is the old profession which is being eliminated because of computing.
► Typist
► Bank manager
► Operational manager
ss

Question No: 13 (Marks: 1) - Please choose one
The system that manages relational database, is called _____.
► None of the given options
► **Database Management System**
► Data Management System
► Relational Database Management System

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Question No: 14 (Marks: 1) - Please choose one
When web server is busy it gives the following message to the user :
► Time out
► Waiting
► **Server busy**
► None of the given options

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Question No: 15 (Marks: 1) - Please choose one
The group of technologies concerned with the capturing, processing and transmission of information in the digital electronic form is called _____.

- ► Telecom Engineering
- ► Computer Engineering
- ► Computer Science
- ► Information Technology

Question No: 16 (Marks: 1) - Please choose one
_____ team consists on the sharpest technical minds in the company.

- ► Architecture
- ► Business Development
- ► Configuration Management
- ► Developer

Question No: 17 (Marks: 1) - Please choose one
TCP stands for _____.

- ► **Transfer Center protocol**
- ► Transmission Control Protocol
- ► Transmission Center Protocol
- ► Telephone Center Protocol

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Question No: 18 (Marks: 1) - Please choose one
A collection of data organized in such a way that the computer can quickly search for a desired data item is known as :

- ► Retrieving
- ► Database
- ► Information
- ► **DBMS**

Question No: 19 (Marks: 1) - Please choose one
Microsoft Word is a type of:

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► **System Software**
► Freeware Software
► Shrink-Wrapped Software
► Custom-built Software

Question No: 20 (Marks: 1) - Please choose one
Users _____, how things work.
► Analyze in detail
► Muddle through
► Figure out
► Read in detail

Question No: 21 (Marks: 1) - Please choose one
Popular schemes used for reducing bytes for storage are:
► RGB and Color mapping
► RGB and Dithering
► RGB, Color mapping and Dithering
► Color mapping and Dithering

Question No: 22 (Marks: 1) - Please choose one
Hardware malfunctions is related to
► Data updates
► Data integrity
► Data security
► Data accessibility

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Question No: 23 (Marks: 1) - Please choose one
If incorrectly we enter the negative age it is check by
► Limit Integrity
► Type Integrity
► Referential Integrity
► Physical Integrity

Question No: 24 (Marks: 1) - Please choose one
Which is the user-friendly way of presenting data ?
► Query

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► Form
► Report
► **All of the given options**

Question No: 25 (Marks: 1) - Please choose one
Currently the BlueRay DVD can store more than _____ of data.
► 10 GB
► 100 GB
► 50 GB
► 150 GB

Question No: 26 (Marks: 1) - Please choose one
In JavaScript, a || b is interpreted as

► a is true or b is false
► a is true and b is true
► a is false and b is true
► a is true or b is true or both are true

Question No: 27 (Marks: 1) - Please choose one
Speakers fall into the hardware category.
► True
► False

Question No: 28 (Marks: 1) - Please choose one
onBlur event is occurred for a form element when it _____

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► Gets focus
► Losts focus
► Some thing is typed in
► onBlur is not an event

Question No: 29 (Marks: 1) - Please choose one
You can view a 3-D image on a _____.
► 3-D display

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► 2-D display
► On both 2-D and 3-D displays
► We can not view a 3-D image

Question No: 30 (Marks: 1) - Please choose one
Module level design and unit testing is the responsibility of _____.

► Team Lead
► Developer
► Project Manager
► Quality Assurance Expert

Question No: 31 (Marks: 1)
What is heuristic?

Common sense Lesson drawn from experience
(Artificial) Intelligent Systems
SW programs or SW/HW systems designed to perform complex tasks employing strategies that mimic
some aspect of human thought

or

- a commonsense rule (or set of rules) intended to increase the probability of solving some problem
- of or relating to or using a general formulation that serves to guide investigation

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Question No: 32 (Marks: 1)
In programming, what is an object ?
Object: A named collection of properties (data, state) & methods (instructions, behavior)
Question No: 33 (Marks: 2)
What is spreadsheet? List any two jobs that it can do.
A spreadsheet is a grid that organizes data into columns and rows. Spreadsheets make it easy to display

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information, and people can insert formulas to work with the data.
Electronic replacement for ledgers
Charts
financial-forecasting

Question No: 34 (Marks: 2)

In JavaScript, what is event handling? What are the two types of events?

Capturing events and responding to them
The system sends events to the program and the program responds to them 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.

Question No: 35 (Marks: 3)

Explain how many ways businesses monitor their employees?

• Systems are available that monitor almost every key stroke that an employee makes on a computer
• Systems are available that read and censor all incoming and outgoing eMail
• It is quite straight forward to monitor where you surf, and when

Question No: 36 (Marks: 3)

What is difference between Design and System Architecture?

A system architecture or systems architecture is the conceptual design that defines the structure and/or behavior of a system.
An architecture description is a formal description of a system, organized in a way that supports reasoning about the structural properties of the system
Designs it as an independent, selfcontained system

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Question No: 37 (Marks: 3)

What are the Sub categories of Artificial Intelligence? Briefly explain any two.

Expert systems
Systems that, in some limited sense, can replace an expert
Robotics
Automatic machines that perform various tasks that were previously done by humans

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Example:
Pilot-less combat air planes
Decision Support Systems:
Interactive software designed to improve the decision-making capability of their users
Utilize historical data, models to solve problems

Question No: 1 (Marks: 1) - Please choose one

In Spreadsheets, you can create a relationship between two cells by using _____.

- Numbers
- Text
- Formulas
- None of given option

Question No: 2 (Marks: 1) - Please choose one

An algorithm that always takes the best immediate or local solution while finding an answer is called____.

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- Deterministic Algorithm
- Non deterministic Algorithm
- Greedy Algorithm
- Randomized Algorithm

Question No: 3 (Marks: 1) - Please choose one

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Which of the following command allows you to recover form mistakes in MS Word?

- Clear
- Edit
- Undo
- Break

Question No: 4 (Marks: 1) - Please choose one

A _____ operating system allows many users to take advantage of the computer's resources, simultaneously

- Single user
- Multi- user
- Single tasking
- Multi tasking

Question No: 5 (Marks: 1) - Please choose one

Network Interface Card is an _____ device

- Input

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- Output
- Input/Output
- Storage

Question No: 6 (Marks: 1) - Please choose one

The decimal equivalent of binary 1000 is

- 7
- 8
- 9
- 10

Question No: 7 (Marks: 1) - Please choose one

Which of the following is NOT RDBMS software?

- My Sql
- MS Excel
- Oracle
- SQL Server

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Question No: 8 (Marks: 1) - Please choose one

A computer virus is a

- Software that saves the computer from being damaged.

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► Application software that helps to make different type of viruses and worms

► Program that spreads itself and destroys other program

► Program that corrects the problems in your computer

Question No: 9 (Marks: 1)

What will be the result of a?

a = Math.abs(-23)

► 23

► -23

► 23.0

► 2.3

Question No: 10 (Marks: 1)

- Please choose one

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- Please choose one

A Special program required to view swf (Shockwave Flash) files in web Browser is called

- ► TFlash
- ► Vflash
- ► plug-in
- ► None of the given options

Question No: 11 (Marks: 8)

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Match the relevant options from the given two columns and write the correct options inColumn 3.

Column 1
Column 2
Column 3

1.F Mainframe
A. Network Traffic
Computers
controller

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2.H Mosaic
B. Laptop
3.E Operating System
C. Micro Processor
4A Router
D. Software Piracy
5. G Spread Sheet
E. Windows XP
6.B Mobile Computer
F. Enterprise Servers
7.C Intel 4004
G. VisiCalc
8.D Cyber Crime
H. Web Browser

Question No: 12 (Marks: 12)

(a) What is the difference between Wisdom and Heuristic?

(b) Differentiate between Cyber crime and Cyber warfare.

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(c) What is a Relational Database? Give the names of any three RDBMS softwares?

Question No: 13 (Marks: 8)

What do you know about the following ? Describe briefly.

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a) Enterprise Resource Planning (ERP) Software

b) Spread Sheet

c) Network Topology

d) SMTP

Question No: 14 (Marks: 10)

(a) What is the difference between High level and Low level programming languages?

(Marks: 4)

(b)What are the following abbreviations stands for

(Marks: 3)

1- VoIP

voice over IP

2- DNS

Domain

VU
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Name

System

3- DOS

disk

operating

system

(c) Name three operations that you can perform on a database

(Marks: 3)

Question No: 15 (Marks: 12)

a) Develop a Web page that prompts the user to enter a name and then print that name five times by using loop. A sample is shown in the figures below.

(Marks: 6)

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b) Write down the JavaScript function that is equivalent to the following HTML code?

(Marks: 3)

HTML code
JavaScript function
<FONT size=18>
fontsize(18)
…
</FONT>

<FONT
color="blue">
fontcolor(blue)
…
</FONT>
<PRE> … </PRE> fixed()

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Question No: 2
Marks:9
Describe the following terms?
- FTP.
- Telnet Protocol.
- IP Address.

Question No: 3
Marks:6
What are local variables? Compare them with global variables?
Question No: 4
Marks:10
Examine the logic of following pseudo code:

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initialize x to 10
initialize y to 0
initialize sum to 0
Repeat while (y <= 6)
{
Add x and y and put results into sum
decrement x by 2
increment y by 3
}
print sum
Stop
What will be the value of the variables "sum, x and y", each time after the loop is executed?

Question No: 5
Marks: 10
Write down a JavaScript function with the name "BinConvert( )" that takes a decimal number and converts it into its equivalent binary number and displays the result in browser. Call that function in the body of the web page.

Question No: 6
Marks: 5
What is database? Describe Data Integrity?

Question No: 7
Marks: 2
Web server:
A. Is a software to deliver e-mail
B. Is a computer that store and deliver web pages
C. Does not allow electronic chatting
D. Does not have a Domain name

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Question No: 8
Marks: 2
Ports are:
A. Input devices
B. Output devices
C. Used to allow I/O devices to communicate with the CPU
D. Able to process incoming data

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Question No: 9
Marks: 2
A Hyperlink is a:
A. Connection between two computers
B. Connection between two countries on the net
C. Gateway to the next web page
D. Gateway between five continents
Question No: 10
Marks: 2
Vacuum Tubes are:
A. Smaller then transistors
B. Made up of two or more electrodes in a glass metal tube
C. Used in IBM PC
D. Invented by Tim Berners lee
Question No: 11
Marks: 2
Memory inside a microprocessor is called
A. RAM
B. ROM
C. Cache
D. Pre-fetch buffer

Question No. 1
Micro controller
1 Are faster then microprocessor
2 Is another name for microprocessor?
Total
Marks : 2
3 Are complete computer on a chip
4 Cost thousands of dollar per piece
Question No. 2
Two major types of software are
1 Application Software , System Software
2 Application Software , Database Software
3 System Software , Database Software

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4 Database Software , Embedded Software
Question No. 3
Marks : 2
Marks : 5
How Operating System software does manage a device when a particular application is
executed? Explain with at least one example?
Question No. 4
Word representing the protocol in URL http://www.microsoft.com is
1 www
2 Microsoft
3 microsoft.com
4 http
Question No. 5
What do you know about WWW and what are the basic elements of web design?
Question No. 6
What do you know about Neural Networks and give any two examples.
Question No. 7
Define and explain Greedy Algorithm briefly. You are also required to give key advantage and
an example of Greedy Algorithm.
Question No. 8 Marks : 6
Determine the correct reserved words of JavaScript from the following list and explain them
briefly.
1 document
2 read
3 alert
4 delete
5 function
Question No. 1
Micro controller
1 Are faster then microprocessor
2 Is another name for microprocessor?

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3 Are complete computer on a chip
4 Cost thousands of dollar per piece

Question No. 2

Two major types of software are

1 Application Software , System Software
2 Application Software , Database Software
3 System Software , Database Software
4 Database Software , Embedded Software

Question No. 3

How Operating System software does manage a device when a particular application is
executed? Explain with at least one example?

Question No. 4

Word representing the protocol in URL http://www.microsoft.com is

1 www
2 Microsoft
3 microsoft.com
4 http

Question No. 5

What do you know about WWW and what are the basic elements of web design?

Question No. 6

What do you know about Neural Networks and give any two examples.

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briefly.

1 document
2 read
3 alert
4 delete
5 function
6 comment

Question No. 9

Discuss any three issues/characteristics of Data Management.

Question No. 10

Write function using JavaScript. The name of function will be "display( )". The "display( )" function will display the following string as shown below:

X3 + Y2

[Hint: Use string methods sub( ) and sup( )]

The "display( )" function should be called at onLoad event.

Question No. 11

Consider the following code

```
pitch = "hard"
bowler="slow"
if ( (pitch == "hard") || (bowler == "fast") )
myStatus = "Bouncer" ;
else
myStatus = "Short Pitch" ;
```

Variable myStatus will contain the value:

1 Bouncer
2 Short Pitch
3 Hard
4 Slow

Question No. 12

What does the following JavaScript code

```
function changeBgcolor()
{
```

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```
oldColor = window.document.bgColor;
window.document.bgColor = "pink";
window. alert("The old color was " + oldColor);
}
```

1 Change the Color of Window document to pink and nothing else

2 Change the Color of Window document to pink and display the name of old Color in a dialogue box

3 Change the Color of Window document to Blue and displays name of old color in a dialogue box

4 Create a form in window document

Question No: 27 (Marks: 1)
What BIOS stands for? – Binary Input Output System

Question No: 28 (Marks: 1)
List down the Analytical Engine's components name (any two)
Answer : Google & Netscape,

Question No: 29 (Marks: 2)
Why uploading a web page is important? Describe in 2 – 3 lines.
Answer : By only uploading webpage we could place our information in order the other can reach up to ready what we load, upload means make available our data or information for the world web browsers

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Question No: 30 (Marks: 3)
What is the difference between microprocessors and microcontrollers? Give one example of both.

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Answer : The microprocessor is electronic equipment which can perform several function and also processing of data and information present in a computer, while microcontroller can only perform one function for that its design
Example
Microprocessors _ Pentium 4
Microcontroller _ can be a switch in side the washing machine

Question No: 31 (Marks: 5)
Differentiate uni-Processor OS from Multi-Processor OS.
Answer : The Multiprocessors is when more than one processor is under operation it can be several or may hundreds of the kind to perform one great operation or calculation, while our PC is a kind of uni-processor

Question No: 32 (Marks: 5)
Why do we call JavaScript an Object-based Language?
Answer : Java Script is a language by which we are writing our web-pages, this language is designed to work for web pages

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Question No: 33 (Marks: 2)
What is meant by semantic error ?

Answer:
Occur when a statement executes and has an effect not intended by the programmer and Often times occur only in unusual & infrequent circumstances

Question No: 34 (Marks: 2)
List down the names of two array methods available in JavaScript.

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Answer:

1. **sort( ) [sorts elements in alphabetical order]**
2. **reverse( ) [Reverses the order of elements]**

Question No: 35 (Marks: 3)
How can you define a consistent web design? Why is it needed?

Answer:
A consistent good designed website is generated for general public that allows users to attain what they want as quickly as possible without spending much effort.

A consistent good design assists the user in recovering from errors.

Question No: 36 (Marks: 3)
How can we include images in a web page using HTML and Java script?

Answer:
Image in HTML
<IMG src=*URL,* alt=*text* height=*pixels* width=*pixels* align="*bottom|middle|top*">

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Image in Javascript
Images in JavaScript can be manipulated in many ways using the built-in object Image.
Additional properties to HTML are hspace, vspace & lowsrc.
Example: It can be used by many handlers like, onAbort, onLoad & onError

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Question No: 37 (Marks: 3)
The event handler attribute consists of three parts. Write about each of them.

Answer :
The identifier of the event handler
The equal sign
A string statement enclosed in double or single quotes.

Question No: 38 (Marks: 5)
What is a packet in the network environment? What kind of information does it contain?

Answer:

- **Packet is data chopped up into pieces in a network environment.**
- **These packets contain information about which computer sent the data and where the data is going.**
- **If a packet runs into a problem during its trip, it can attempt to find another route. When all the packets get where they are going, the recipient computer puts them together again.**

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Question No: 39 (Marks: 5)
Suppose we have a big project. Draw hierarchy of the people involved in the project?

Answer:
Please ignore small lines relating Sub Teams to subordinates due to shortage of time. ABCD etc are connected directly to Team Lead 1,2 & 3 accordingly.

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Question No: 31 (Marks: 1)
What is heuristic?

Common sense Lesson drawn from experience
(Artificial) Intelligent Systems
SW programs or SW/HW systems designed to perform complex tasks employing strategies that mimic some aspect of human thought

or

- a commonsense rule (or set of rules) intended to increase the probability of solving some problem
- of or relating to or using a general formulation that serves to guide investigation

Question No: 32 (Marks: 1)
In programming, what is an object ?

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

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Question No: 33 (Marks: 2)
What is spreadsheet? List any two jobs that it can do.
A spreadsheet is a grid that organizes data into columns and rows. Spreadsheets make it easy to display information, and people can insert formulas to work with the data.

Electronic replacement for ledgers
Charts
financial-forecasting

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Question No: 34 (Marks: 2)
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An architecture description is a formal description of a system, organized in a way that supports reasoning about the structural properties of the system

Designs it as an independent, selfcontained system

Question No: 37 (Marks: 3)

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What are the Sub categories of Artificial Intelligence? Briefly explain any two.

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Systems that, in some limited sense, can replace an expert

Robotics

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

Example:

Pilot-less combat air planes

Decision Support Systems:

Interactive software designed to improve the decision-making capability of their users

Utilize historical data, models to solve problems

Question No: 38 (Marks: 5)

How many ways are there to call a function in a program ? Explain with example

Functions do not run automatically. When the page loads, each function waits quietly until it is told to run

Calling a Function From an Event Handler

An event handler is a command which calls a function when an event happens, such as the user clicking a button.

The command is written in the format **on*Event***, where ***Event*** is the name for a specific action. Here are some common examples:

Calling a Function From Another Function

```
function doSomething() {
```

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```
doSomethingElse();   // This line calls the next function
}
```

Question No: 39 (Marks: 5)

Elaborate the '+ ' operator and its constraints with the help of examples

The "+" String Operator

The "+" operator can be used to concatenate two strings

title = "bhola" + "continental"

The value of the variable title becomes "bholacontinental"

Question No: 40 (Marks: 10)

Write a JavaScript program having two functions sum and mean.

The web page will ask the user to enter five values to be added.

After taking input it will calculate the sum and mean of those values by calling sum and mean functions.

Question No: 41 (Marks: 10)

Define the following terms.

Object

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

Event Handler

An event handler is a command which calls a function when an event happens, such as the user clicking a button

Local Variable

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

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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

Array

An indexed list of elements

Question No: 31 (Marks: 1)

In programming, what is a loop?

In computer science a for loop is a programming language statement which allows code to be repeatedly executed. A for loop is classified as an iteration statement.

Question No: 32 (Marks: 1)

What are the other names of function? Any one.

Routine , procedure , sub programm

Question No: 33 (Marks: 2)

How JavaScript Arrays are heterogeneous ?

Arrays are heterogeneous in java script because at the same time stimultanously they can hold elements of multiple data types

Question No: 34 (Marks: 2)

What is the database?

Data base is a collection of organized data in a proper way that computer can quickly search for any desired data item , its an easy way of allowing of manipulation of data,they are design in such a way that access to any desired data can be identified and reached quickly and easy , they are generally consist of collection of interrelated files

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Question No: 35 (Marks: 3)

Differentiate between LAN and WAN with one example of each.

Lan is a local area network where as wan is a wide area network
Lan can be used in a specific areas with limited computers where as

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wan can be used on computers shared by large distances
For example lan can be used on pc s or an organization located in one building but wan can be used on large scales like banks all over or in any Large communication systems

Question No: 36 (Marks: 3)

What are Trojan Horses ?

Trojen horses are a kind of cyber crime , they are v harmful to computer because they are stand alone programme and the look like what they are not like any thing amusing or not harmless like games..

Question No: 37 (Marks: 3)

Elaborate Rester Graphics with examples.

A raster graphics image, digital image, or bitmap, is a data file or structure representing a generally rectangular grid of pixels, or points of color, on a computer monitor, paper, or other display device.

To illustrate the matter further - here's the letter "J":
J
Look closely at it... Take a magnifying glass to it if you like. You see a "J", the computer sees something more like this, where '.' represents a zero and 'X' represents a one:

...X
...X
...X
...X
...X
...X
...X
X...X
X...X
.XXX.

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Where you see a zero, the computer instructs its video hardware to

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paint the current background color. A one calls for the current foreground color. Yes, it is actually a bit more complicated, but it all basically boils down to one bit or the other making a distinction between the colors of adjacent pixels, which together form an image.

Question No: 38 (Marks: 5)

What are the important properties, methods and event handlers of image object?

The primary use of the image object is to download an image into the cache before it is needed to display , image object can be used to create different kinds of animations or to display one of several images based on the desired requirement , in java script image object can be used to display the required pre loaded image

Properties of image object is : height , width ,hspace ,vspace , src , name border etc

Methods :none

Event handlers:on aboart , onload, onerror etc

Question No: 39 (Marks: 5)

Write the JavaScript code for the Function SumOddNumbers(maxNumber) that can add non-negative odd numbers up to maxNumber and return their sum.

```
Function sum odd numbers(maxnumber){var sum=0;
For(i=0; <maxNumbers;I++)
{
{
if(i / 2 == 1 || i == 1)
sum += i;
}

return sum;

}
```

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Question No: 40 (Marks: 10)

Write a note on :

- Coding guidelines
- Guidelines for developing short programs.
- **Coding guidelines**
- • Always use semicolons to end statements
- • Indent blocks of code (2 to 5 spaces)
- • Identifiers
- • Use the camel back scheme
- • Variables: nouns
- • Functions: verbs
- • Comment Liberally
- • Make them descriptive but concise
-

Gudelines for developing short programs.

- • Read and understand the problem
- • Do you have all the required data?
- • No: Get it
- • Else assume it. State it explicitly
- • Do the design

Question No: 41 (Marks: 10)

write a note on each of the following:

a. Vector or Object-Oriented Graphics:

b. Bit-Mapped or Raster Graphics:

A:In Vector or object oriented graphic everything drawn is treated as object. objects retain their identity after they are drawon. these objects can later be moved, stretched, duplicated, deleted,etc. they are resolution independent and have relatively small file size. the examples are: swf, svg, wmf, ps

brass_ibrahim: Vector graphics is the use of geometrical primitives such as points, lines, curves, and shapes or polygon(s), which are all based on mathematical equations, to represent images in computer graphics.

brass_ibrahim: The term "vector graphics" is mainly used today in the context of two-dimensional computer graphics Virtually all modern 3D

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rendering is done using extensions of 2D vector graphics techniques .Virtually all modern 3D rendering is done using extensions of 2D vector graphics techniques

B: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 one of them while
leaving the other untouched
Changing the resolution often requires considerable touch-up work
Relatively large file size
Examples: gif, jpg, bmp

masood.tariq: 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 one of them while
leaving the other untouched
Changing the resolution often requires considerable touch-up work
Relatively large file size
Examples: gif, jpg, bmp

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28 objectives were from old papers out of 30.

What is Array?
Marks 2
what is computer prrofessional? Marks 2
define onLoad and onUnload? Marks 2
waht is time bomb?
Marks 2
what is bandwidth?

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Marks 2
"while" loop is more preferable than "For" loop? Marks 3
sementic web and present web? Marks 3
can we replace a human doctor by Expert system? Marks 5
Difference Internt and intranet? Marks 5
ways of navigation Heuristics? Marks 5
event handling?

Define network organization and its advantages? Marks 10

Coding Guidline and guidlines for short programs? Marks 10

Dewelop a web page that displays six thumbnails
images. A main image should be changed to a large
version of thumbnail as soon as the mouse moves
over the thumbnail. Write complete html and java script? Marks 10

characteristics of Internet?
Marks 10

Profile and responsibilities of Team Leader? Marks 10

due to computer how many jobs are available and
how many jobs are eliminated?
Marks

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Today was my CS101 Paper. The Subjective Quizzes are as under:

1. How many members are in operational team and what there key resposibilities

2. What is Computer Screen?

3. What are weaknesses of the web?

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4. Characteristics of Internet (Any Five)?

5. Breifly describe
Telnet
VoIP
Instant Messaging
FTP
IP/TCP
6. Describe the organizational structure?

7. What is image process

8. Pixel?

Today I had CS 101 Paper.There were 41 questions.30 objective and 11 descriptive.Few of the questions were:
3 attributes of event handler
Difference between Internet and Intranet
Function
Commonsense to avoid viruses and explain antivirus
TCP/IP
An attack on Yahoo servers
Spreadsheets
Codes for uploading file
Hierarchy in an organization
Team lead
COO
Developer
Businessess monitoring their employees
'+' operator
Image in Javascript

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Question No: 31 (Marks: 1)

What is the function of Network Interface Card ?

Question No: 32 (Marks: 1)

In programming, what is a loop?

Ans:

In computer programming, a loop is a sequence of instructions that is continually repeated until a certain condition is reached. A loop is a fundamental programming idea that is commonly used in writing programs.

Question No: 33 (Marks: 2)

What is an intelligent system?

Question No: 34 (Marks: 2)

Why hub is used in networks?

Ans:

Network hubs are used to connect multiple workstations for routing through a single link to a server. In computer network systems, hubs, switches, repeaters, and routers are used when creating a network.

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Question No: 35 (Marks: 3)

What are Trojan Horses ?

Question No: 36 (Marks: 3)

Elaborate with examples Vector or Object Oriented graphics

Question No: 37 (Marks: 3)

How can you define a consistent web design? Why is it needed?

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Question No: 38 (Marks: 5)

if s = ”All is well that ends well”
then write JavaScript code that use ‘e ’as delimiter to split the given string and show output using java script statements.

Question No: 39 (Marks: 5)

What are the advantages of multimedia presentations? Write any five.

Ans:
1.Great tool for effectively communicating ideas to an audience
2.Easy to make last minute changes
3.The undo feature encourages experimentation
4.More attractive; commanded more interest
5.May include animations, sound, video
6.Easy to catalog, store, and recall
7.Great tool for making presenter-free interactive material (e.g. self-learning tutorials)

Question No: 40 (Marks: 10)

Write down HTML and JavaScript code for the following requirements:

Declare an Array with the identifier SUBJECT having length 5.
Assign following values to the array elements:
MIS, Java, Algorithms, Databases, C++
Show all values in reverse order.

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```
x= new array(5);
x[0]=”MIS”;
x[1]=”Java”;
x[2]=”Algorithms”;
x[3]=”Databases”;
x[4]=”C++”;
x.reverse();
x.sort();
```

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```
for ( k = 0 ; k < x.length; k = k + 1 ) {     document.write( x[ k ] +
“<BR>”) ;
}
```

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