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

_______ language is very good for writing well-structured and readable programs, but it is not as flexible as the C programming language

- BASIC
- PASCAL
- JAVA
- FORTRAN
Question No: 2  ( Marks: 1 )  - Please choose one
____________________________________________________
____________ interacts directly with the computer Hardware

► Compiler

► Operating system

► Application software

► Assembler

Question No: 3  ( Marks: 1 )  - Please choose one
____________________________________________________
If type attribute of INPUT tag is set to "reset", then it will:

► Save all the data
► Set the shape of all the fields
► Set all fields to their default values
► Do nothing, you have to write code for it

Question No: 4  ( Marks: 1 )  - Please choose one
____________________________________________________
Programs that reside on Web servers and receive info that a user enters in a form, are known as:

► Server-Side Scripts

► Client-Side Scripts

► Super Scripts

► Form Scripts

Question No: 5  ( Marks: 1 )  - Please choose one
____________________________________________________
The world first computer program was written to compute:

► Simple sequence
► Multiple sequence
► Bernoulli’s sequence  page 9
► Increasing sequence

Question No: 6  ( Marks: 1 )  - Please choose one
____________________________________________________
The key strengths of computers are

► Speed
► Storage
► Do not get bored
Question No: 7 (Marks: 1) - Please choose one
_________ is the interface in computer that supports transmission of multiple bits at the same time.
► Serial Port
► Parallel Port
► Universal Serial Bus
► None of the given choices

Question No: 8 (Marks: 1) - Please choose one
Which of the following is NOT supported by PC's power supply.
► -12 and +12 V DC
► -10 and +10 V DC
► -5 and +5 V DC
► All are supported

Question No: 9 (Marks: 1) - Please choose one
NOWRAP extends the __________ of a cell, if necessary, to fit the contents of the cell in a single line
► Height
► Length
► Width
► Value

Question No: 10 (Marks: 1) - Please choose one
We need __________ for memory management in computer
► Software
► Hardware
► Operating System
► Application Software

Question No: 11 (Marks: 1) - Please choose one
The first component of an operating system that runs when a typical computer is turned ON, is:
► Device Manager
► File Manager
► Loader
► Device Driver

Question No: 12 (Marks: 1) - Please choose one
Speakers fall into the hardware category.
► True
► False

Question No: 13 (Marks: 1) - Please choose one
HTML pages are edited by ________

► MS Front page
► Notepad
► Dreamweaver
► All of These

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

PowerBuilder falls in the category of _________________.

► Assembly Languages
► 4-th Generation Languages
► Machine Languages
► High-Level Languages

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

Java script is an.

► Object based language

► All of the given   page 96

► Interpreted language

► Event driven language

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

In java script objects may have___________ properties.

► Single

► Several

► Multiple

► All of the given options

Question No: 17  (Marks: 2)

<A “HREF=VU Home Page”> Click Here <\A>

Correct above HTML code segment.

Question No: 18  (Marks: 2)

Give an example of an Interactive and Batch mode of Application Software?

Question No: 19  (Marks: 2)

What is best algorithm?
Question No: 20  ( Marks: 3 )
Write three characteristics of JavaScript.

Question No: 21  ( Marks: 3 )
What is the difference WYSIWYG and Markup based word processing?

Question No: 22  ( Marks: 5 )
What are the two key features of UNDO command in MS-Excel?

Question No: 23  ( Marks: 5 )
Write down the classification of the software’s according to the Mode with examples?

MIDTERM EXAMINATION
Spring 2010
CS101- Introduction to Computing (Session - 2)
Ref No: 1341159
Time: 60 min
Marks: 38

Student Info
<table>
<thead>
<tr>
<th>StudentID:</th>
<th>MC100201286</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center:</td>
<td>OPKST</td>
</tr>
<tr>
<td>ExamDate:</td>
<td>5/28/2010 12:00:00 AM</td>
</tr>
</tbody>
</table>

Question No: 1  ( Marks: 1 )  - Please choose one
JavaScript does not support________________

- User interaction
- Graphics
- Network operations
- Both Graphics and Network operations

Question No: 2  ( Marks: 1 )  - Please choose one
__________ language is very good for writing well-structured and readable programs, but it is not as flexible as the C programming language

- BASIC
- PASCAL
- JAVA
- FORTRAN
**Question No: 3** (Marks: 1) - Please choose one

__________ is the example of Shrink-wrapped software

- PIA information system
- WinZip trial pack
- Linux
- MS Word

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

__________ refers to the firmware code which is run by an IBM compatible PC when first powered on.

- DOS
- BIOS page 61
- Utility Program
- None of these

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

RTOS stands for _______________

- Real Task Operating System
- Random Time Operating System
- Rational Time Operating System
- Real Time Operating System page 67

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

---------- is an electronic path within a Computer System along which bits are transmitted.

- Port
- Slots
- Bus
- Modem

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

A microprocessor can be made more powerful by increasing its ________

- Clock frequency
- Word length
- Clock frequency and Word length page 318
- None of above

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

Which one of these translates the program once at a time?

- Interpreter
- Compiler page 61
Question No: 9 (Marks: 1) - Please choose one
-------- is volatile memory
- RAM page 25
- ROM
- Hard Disk
- CD ROM

Question No: 10 (Marks: 1) - Please choose one
A British scientist named John A. Fleming made a vacuum tube known today as a diode. Then the diode was known as a "valve," is it true?
- True page 14
- False

Question No: 11 (Marks: 1) - Please choose one
<form> Tags always placed between the <BODY> and </BODY> tags of a Web page
- True
- False

Question No: 12 (Marks: 1) - Please choose one
____________ is generally measured in terms of the number of steps required to execute an algorithm.
- Space page 101
- Time
- Memory and time
- Bandwidth

Question No: 13 (Marks: 1) - Please choose one
Programs where no user interaction found during program execution are called
- Batch programs
- Event-driven programs
- Graphics based programs
- None of the given

Question No: 14 (Marks: 1) - Please choose one
For connector the following symbol is used:
Question No: 15  (Marks: 1) - Please choose one

After starting computer, which module of operating system activates first?

- ▶ Linker
- ▶ Kernel
- ▶ Loader
- ▶ Device manager

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

"Every minute dies a man, And one and a sixteenth is born" said by?

- ▶ Alfred, Lord Tennyson
- ▶ Charles Babbage during lec
- ▶ Ada, Countess of Lovelace
Question No: 17  (Marks: 2)
Why JavaScript is called Object-based language, why not Object-Oriented?

Question No: 18  (Marks: 2)
Draw flow chart symbols for "process" and "off page connector"?

Question No: 19  (Marks: 2)
How can you open a link in a new browser window?

Question No: 20  (Marks: 3)
List down the names of any three parameters on which we analyze an algorithm.

Question No: 21  (Marks: 3)
What is the difference between user requirements and development specification.

Question No: 22  (Marks: 5)
Which two phases of the SW lifecycle do you think are the most important and effort consuming steps? Explain with reasons.

Question No: 23  (Marks: 5)
Write down the algorithm for converting decimal number to binary?

MIDTERM EXAMINATION
Spring 2010
CS101- Introduction to Computing (Session - 3)

Q1
Charles Babbage was a/an
(a) Mathematician
(b) Computer Scientist
(c) Physician
(d) Analyst

Q2
First electronic computer was
(a) ABC
(b) UNVAC 1
(c) Harvard Mark 1
(d) IBM PC

Q3
The Last famous electro-mechanical computer was
(a) ENIAC
Q4
The memory size of the Altair 8800 was
(a) 128 bytes
(b) 256 bytes
(c) 128 Kilo bytes
(d) 256 Kilo bytes

Q5
This element of Flow Chart is called______________.
(a) Process
(b) Process
(c) Decision
(d) Connector

Q6
JavaScript is an example of __________ language.
(a) Object-based
(b) Object-oriented
(c) Machine
(d) Assembly

Q7
_________ interacts directly with the computer Hardware
(a) Compiler
(b) Operating system
(c) Application software
(d) Assembler

Q8
In Spreadsheets, you can create a relationship between two cells by using ____.
(a) Numbers
(b) Text
(c) Formulas
(d) None of the given choices

Q9
In spreadsheets, cell address A12 means ________.
(a) Row A, Cloumn 12
(b) Row 12, Cloumn A
(c) Row 2,Cloumn A1
(d) Row A1, Cloumn 2

Q10
VisiCalc was the first popular ________ application on PC’s.
(a) Spreadsheet
(b) Word processor
(c) Presentation
(d) Database
Q11
__________ is the example of Shrink-wrapped software
(a) PIA information system
(b) WinZip trial pack
(c) Linux
(d) MS Word

Q12
The key feature of Scientific/Engineering/Graphics applications is ____________
(a) Intense calculations
(b) User-friendly
(c) Reliability
(d) Cost-effective

Q13
ERP is a type of ________________.
(a) Entertainment software
(b) Productivity software
(c) Business software
(d) Scientific software

Q14
When we use <INPUT type="password">, what will happen?
(a) Text will not be visible
(b) Text will be in normal format
(c) Text will be in **** format
(d) Text will be in #### format

Q15
Video Card has its own ______________
(a) Memory
(b) Processor
(c) Memory & Processor
(d) Neither memory nor Processor

Q16
Using only HTML we can create
(a) Dynamic web pages
(b) Static web pages
(c) Both Static and Dynamic pages
(d) None of these

Q17
The world first computer program was written to compute:
(a) Simple sequence
(b) Multiple sequence
(c) Bernoulli’s sequence
(d) Increasing sequence

Q18
Computers are good at
(a) Speed
(b) Storage
Q19
_____ is an application program that provides a way to look at and interact with all the information on the World Wide Web
(a) URL
(b) Browser
(c) HTML
(d) Website

Q20
_____ contains the name of the protocol required to access the resource, a domain name that identifies a specific computer on the internet and a pathname on the computer
(a) HTML
(b) HTTP
(c) URL
(d) WWW

Q21
_____ is the interface in computer that supports transmission of multiple bits at the same time.
(a) Serial Port
(b) Parallel Port
(c) Universal Serial Bus
(d) None of the given choices

Q22
Forms can be submitted by using _________ different methods
(a) 2
(b) 3
(c) 4
(d) 5

Q23
Forms can be submitted through ______ & ______ methods
(a) INCLUDE, POST
(b) INCLUDE, GET
(c) GET, POST
(d) SEND, POST

Q24
_____ maintains index of names and location of the files.
(a) File manager
(b) File system
(c) File Folder
(d) Operating system

Q25
Now a days, users communicate with the computer using a consistent ________
provided by the Operating System.
(a) Command-line interface.
Q26
If an algorithm is syntactically correct, but semantically incorrect then this situation is
(a) Very good situation
(b) **Very dangerous situation**
(c) Not very bad
(d) Neutral situation

Q27
What is the problem with Brute Force Strategy approach?
**Solution:-**
Doesn’t scale well with the size of the problem

Q28
What is software design methodology?
**Solution:-**
The set of (often flexible) rules and guidelines a team of developers follow to construct reasonably complex SW systems

Q29
What is the name of HTML tag, that has Href attribute and What is the Purpose of Href?
**Solution:-**
`<A HREF = "action" > label </A>`
It is used to to create Links between pages, or we can used it as “mailto” function.

Q30
Write three characteristics of JavaScript.
**Solution:-**
1. JavaScript has numerous operators, classified in many categories.
2. Terminate all JavaScript statements with a semicolon. It is not always necessary, but highly recommended.
3. JavaScript ignores any extra white spaces or line breaks that you put in the code
4. Although JavaScript allows variable declaration, it does not require it - except in the case when
5. 

Q31
Give reasons why we need semantic web?
**Solution:-**
Whereas, today’s Web’s content is designed for humans to read; the Semantic Web’s content will be designed for computers to understand meaningfully. However, the Semantic Web is not a replacement but an extension of the present Web, in which info is given well defined meaning

Q32
What are the two key features of UNDO command in MS-Excel ?
**Solution:-**
1. Allows you to recover from your mistakes
2. Allows you to experiment without risk

3. MIDTERM EXAMINATION
Spring 2010
CS101- Introduction to Computing (Session - 4)

Question No: 1 (Marks: 1) - Please choose one
A procedure that usually, but not always, works or that gives nearly the right answer is called
► Algorithm
► Logarithm
► **Heuristic**
► Methodology

Question No: 2 (Marks: 1) - Please choose one
Which of the following is NOT an Application Software.
► Word Processor
► Web Browser
► **Windows XP**
► MS Excel

Question No: 3 (Marks: 1) - Please choose one
Operating System talks to and manages devices through
► Loader
► File Manager
► Memory Manager
► **Device Driver**

Question No: 4 (Marks: 1) - Please choose one
You can _______ from/to a website containing interactive forms.
► **Only read**
► Only write
► Read and write
► Not read and write

Question No: 5 (Marks: 1) - Please choose one
When the user needs something to be done by the computer, he/she gives instructions in the form of _____ to computer _____
► **Software, Hardware**
► Hardware, Software
Question No: 6 (Marks: 1) - Please choose one

There is a battery on the motherboard to:
- Give power to the processor
- **Save information when computer is off**
- Save information when computer is on
- Give power to the motherboard

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

______ is simply a fast port that lets you connect computer peripherals and consumer electronics to your computer without restart.
- Freeware
- Shareware
- **Firewire**
- Firmware

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

Which one is correct?

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

Question No: 9 (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: 10 (Marks: 1) - Please choose one

The key strengths of computers are
- Speed
- Storage
- Do not get bored
- **All of the given choices**

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

Which one is correct?

- <HEAD> </HEAD>
- <HEAD> <END>
Question No: 12 (Marks: 1) - Please choose one
Everything that JavaScript manipulates is treated as:
► Object
► Window
► Text
► Script

Question No: 13 (Marks: 1) - Please choose one
A process in which user’s browser check the form’s data is called
► Server-Side Scripting
► Client-Side Scripting
► Bowser Scripting
► Form Scripting

Question No: 14 (Marks: 1) - Please choose one
------------ is volatile memory
► RAM
► ROM
► Hard Disk
► CD ROM

Question No: 15 (Marks: 1) - Please choose one
WYSIWYG stands for
► What you say is what you get
What you say is what you get
► Where you see is where you go
► What you see is what you get
► When you see is when you get
Question No: 16  (Marks: 1) - Please choose one
What is/are the use/uses of Word processor?
► To write a letter
► To write Research paper or report
► To create address labels
► **All of the given**

Question No: 17  (Marks: 1) - Please choose one
__________ is the example of Shrink-wrapped software
► PIA information system
► WinZip trial pack
► Linux
► **MS Word**

Question No: 18  (Marks: 1) - Please choose one
__________ interacts directly with the computer Hardware
► Compiler
► **Operating system**
► Application software
► Assembler

Question No: 19  (Marks: 1) - Please choose one
Which of the following symbol is used for multiple line comments in JavaScript?
► /
► //
► /*
► //*

Question No: 20  (Marks: 1) - Please choose one
Consider the following statement written in JavaScript:
str = "Hello" + " World"
What will be the value of str?
► **HelloWorld**
► Hello World
Hello + World
It will result in error

Question No: 21 (Marks: 1) - Please choose one
__________ give us the ability to manipulate data through reference instead of actual value.

► Constants
► Variables
► Data Types
► Operators

Question No: 22 (Marks: 1) - Please choose one
Bringing subsystems together to form the system is called

► Integration
► Merging
► Splitting
► Operation & Maintenance

Question No: 23 (Marks: 1) - Please choose one
Preliminary exploration of possible solutions, technologies, suppliers is called

► Viability
► Feasibility
► Specification
► Integration

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

► Definition of a problem
► Sequence of steps to solve a problem
► Proper understanding of a problem
► Solution to a problem

Question No: 25 (Marks: 1) - Please choose one
Web site is collection of related ______

► Web pages
► Information
► Search Engines
► None of the given choices

Question No: 26 (Marks: 1) - Please choose one
Information on World Wide Web is _______________ unified.

► Physically
► **Logically**
► Really
► None of the given choices

**Question No: 27** (Marks: 1)

What is coding?

WYSIWYG

**Question No: 28** (Marks: 1)

Define URL

**Question No: 29** (Marks: 2)

What is Deterministic Algorithm?

**Question No: 30** (Marks: 3)

How can we calculate total number of rows in the truth table?

**Question No: 31** (Marks: 5)

What are JavaScript literal and what are its types?

**Question No: 32** (Marks: 5)

What is the impact of web on our Society and Business?

---

**MIDTERM EXAMINATION**

Fall 2010

CS101- Introduction to Computing (Session - 5)

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

---------- was known as “mill” in Analytical engine.

► Memory
► **Processor**
► Monitor
Question No: 2 (Marks: 1) - Please choose one
Vacuum tubes were replaced by ___
► Punch cards
► Transistors
► Micro Processors
► Resistors

Question No: 3 (Marks: 1) - Please choose one
The impact of a digit in a number is determined by its __________
► Value
► Location
► Length
► None of above

Question No: 4 (Marks: 1) - Please choose one
Detailed plan, specifying the required resources and expected deliverables, is done in ________ phase.
► Planning
► User Requirements
► Design
► Developer Specification

Question No: 5 (Marks: 1) - Please choose one
Which of the following application is collections of cells?
► Word
► Excel
► PowerPoint
► Outlook Express

Question No: 6 (Marks: 1) - Please choose one
VisiCalc was the first popular ________ application on PC’s.
► Spreadsheet
► Word processor
► Presentation
► Database

Question No: 7 (Marks: 1) - Please choose one
__________ is the example of Shrink-wrapped software
► PIA information system
Question No: 8 (Marks: 1) - Please choose one
Which of the following is/are the parts of Operating system components?

► GUI
► Device Manager
► Shell
► All of these

Question No: 9 (Marks: 1) - Please choose one
Spread sheet is a type of ______________.

► Productivity software
► Engineering software
► Mathematical software
► Business software

Question No: 10 (Marks: 1) - Please choose one
Register is a kind of ______memory

► Fast
► Super fast
► Slow
► Very slow

Question No: 11 (Marks: 1) - Please choose one
The grand-daddy of the today’s global Internet was

► WAN
► ARPANET
► Intranet
► LAN

Question No: 12 (Marks: 1) - Please choose one
A _______ translates a high-level language (that is easy to understand for humans) into a language that the computer can understand

► Computer
► Transistor
► Compiler
► Device

Question No: 13 (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
Question No: 14  (Marks: 1) - Please choose one
ASCII WHITE is the fastest Super computer which can perform ________ calculations in one second.
► 1.3 billion
► 1.3 trillion
► 1.3 million
► 1.3 thousand

Question No: 15  (Marks: 1) - Please choose one
Which one of these is NOT an example of storage devices?
► Tape
► RAM
► Floppy
► DVD

Question No: 16  (Marks: 1) - Please choose one
1 byte consists of:
► 8 bits
► 10 bits
► 12 bits
► 16 bits

Question No: 17  (Marks: 1) - Please choose one
_____ is the example of server-side scripts on Unix servers.
► ASP
► CGI
► VBScript
► JavaScript

Question No: 18  (Marks: 1) - Please choose one
Randomized algorithms are often ________ than deterministic algorithms for the same problem.
► Simpler and more slow
► Simpler and more efficient
► Complex and more efficient
► Complex and more slow

Question No: 19  (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: 20  (Marks: 1) - Please choose one
The intersection of a row and a column is called
► Data
► Field
► Formula
► Non of the above

Question No: 21  (Marks: 1) - Please choose one
HTML pages are edited by _______
► MS Front page
► Notepad
► Dreamweaver
► All of These

Question No: 22  (Marks: 1) - Please choose one
____________ software directly interacts with the user.
► Application software
► System software
► Anonymous software
► Interactive software

Question No: 23  (Marks: 1) - Please choose one
What is the key feature of computer which is against human nature?
► Can’t get bored.
► Pattern recognition
► Repetition
► None

Question No: 24  (Marks: 1) - Please choose one
-------------------- Invented at the Imperial University in Tokyo by Yoshiro Nakamats
► Hard drive
Question No: 25 (Marks: 1) - Please choose one

This element of Flow Chart is called______________.
► Process
► Off page connector
► Decision
► Connector

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

In flow charts, there is only one entry point in conditions while there is/are__________ exit points.

► 1
► 2
► 3
► 4

Question No: 27 (Marks: 1)

What is the difference between a web page and a website?
Ans.

Question No: 28 (Marks: 1)

What is java script?

Question No: 29 (Marks: 2)

What is the usage of microcontrollers? Give two examples.

Question No: 30 (Marks: 3)

What is title tag in HTML? Give an example of title tag showing Virtual University of Pakistan as web page title.

Question No: 31 (Marks: 5)

Fill the column 3 of the table after evaluating the expressions in column 2

<table>
<thead>
<tr>
<th>Operator</th>
<th>Expression</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>a=2; b=a+5;</td>
<td>b=7</td>
</tr>
</tbody>
</table>
/ a=15;
b=5; a/b=3
% a=15;
b=75; b%a=11.25
* a=5;
b=9;
c=a*b c=45
- a=90;
b=100;
c=a-b c=-10

Question No: 32 (Marks: 5)
How you can enhance the capability of a micro processor?

MIDTERM EXAMINATION
Spring 2010
CS101- Introduction to Computing (Session - 6)
Ref No: 1340580
Time: 60 min
Marks: 38

Student Info

| Student ID: | 
| Center:   | 
| Exam Date: |

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

Vacuum tubes were replaced by ___

► Punch cards

► Transistors

► Micro Processors

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

Hexadecimal number system is based on -------------- digits

- 2
- 8
- 12
- 16

Question No: 3  (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: 4  (Marks: 1) - Please choose one

Which one is correct for JavaScript?

- onMouseOver
- OnMouseOver
- onmouseover
- All of the given
Question No: 5  ( Marks: 1 ) - Please choose one

Programs that reside on Web servers and receive info that a user enters in a form, are known as:

► Server-Side Scripts

► Client-Side Scripts

► Super Scripts

► Form Scripts

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

The ______ is connected to all other modules of the microprocessor.

► Control unit

► Memory unit

► Floating Point unit

► Arithmetic and Logic unit

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

WWW stands for:

► Wide World Web
Question No: 8  ( Marks: 1 ) - Please choose one

Supercomputers are used in:

► Weather forecasting
► Aeroplane manufacturing
► Atomic bomb experiments
► All of the given choices

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

Which one of these is NOT an example of storage devices?

► Tape
► RAM
► Floppy
► DVD

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

To display a checkbox on the web page, we use ___ tag

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

Users communicate with the computer using a consistent user interface provided by the OS.

▸ True

▸ False

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

OO software is all about _____________.

▸ Behaviors

▸ Methods

▸ Properties

▸ Objects

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

Web standards are being developed by

▸ Mozilla

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

_________ are great for showing parts of a whole that are generally expressed in percentages.

► Line Charts

► Pie Charts

► Bar Charts

► None of the options described

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

A diode is a _________terminal device

► Three

► Two

► One

► None of above

Question No: 16  ( Marks: 1 ) - Please choose one
Select the attribute of the `<form>` tag

- Method
- Action
- Value
- All of above

Question No: 17      ( Marks: 2 )
Explain briefly the different techniques that are used to embed JavaScript code in a web page?

Question No: 18      ( Marks: 2 )
What is an interpreter? Write its one benefit over compiler.

Question No: 19      ( Marks: 2 )
Whether response time of a microprocessor is greater or less than that of RAM?

Question No: 20      ( Marks: 3 )
Write formula for the following expression.
1) If we want to add the value from cell C3 to C10 we can write
2) If we want to add the value of C2 to the value of C4 and then multiply by C6, the formula is written for
Question No: 21  (Marks: 3)

How can we enter data in more than one line in an HTML form?

Question No: 22  (Marks: 5)

What is software life cycle?

Question No: 23  (Marks: 5)

Elaborate greedy algorithm definition with solid example in favour and one counter example?
Question No: 1 (Marks: 1) - Please choose one

The memory size of the Altair 8800 was

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

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

URL is a/an ________

- Device
- Component
- **Address**
- Tool

Question No: 3 (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: 4 (Marks: 1) - Please choose one

The ________ Processor is specially designed for PDA?

- PowerPC
- **StrongARM**
- Crusoe
- SPARC

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

There are _________ ways to represent an algorithm.

- 1
- 2
- **3**
Question No: 6  ( Marks: 1 )  - Please choose one
Which one is correct for JavaScript?

► onMouseOver
► **OnMouseOver**
► onmouseover
► All of the given

Question No: 7  ( Marks: 1 )  - Please choose one
__________ is a particularly good language for processing numerical data, but it does not lend itself very well to large business programs

► BASIC
► PASCAL
► JAVA
► FORTRAN  page 131

Question No: 8  ( Marks: 1 )  - Please choose one
In spreadsheets, cell address A12 means _______.

► Row A, Cloumn 12
► **Row 12, Cloumn A**
► Row 2, Cloumn A1
► Row A1, Cloumn 2

Question No: 9  ( Marks: 1 )  - Please choose one
The key feature of Scientific/Engineering/Graphics applications is ____________

► **Intense calculations**  page 81
► User-friendly
► Reliability
► Cost-effective

Question No: 10  ( Marks: 1 )  - Please choose one
Command which saves the selected text before deleting is

► Copy
► **Delete**
Question No: 11  (Marks: 1) - Please choose one

Properties of an object are modified with

► Class
► Methods  page 142
► Structures
► Forms

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

Video Card has its own ------------------

► Memory
► Processor
► Memory & Processor
► Neither memory nor Processor

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

Using only HTML we can create

► Dynamic web pages
► Static web pages
► Both Static and Dynamic pages
► None of these

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

Computers are good at

► Speed
► Storage
► Never bored
► All of the given choices

Question No: 15  (Marks: 1) - Please choose one
There is a battery on the motherboard to:
► Give power to the processor
► Save information when computer is off
► Save information when computer is on
► Give power to the motherboard

Question No: 16 (Marks: 1) - Please choose one
Microsoft Word is a type of:
► System Software
► Freeware Software
► Shrink-Wrapped Software page 62
► Custom-built Software

Question No: 17 (Marks: 1) - Please choose one
The set of instructions that operates various parts of hardware is called shareware.
► True
► False

Question No: 18 (Marks: 1) - Please choose one
Which of the following manages the HW and SW resources of the computer system?
► Hardware
► System Software
► Operating system page 65
► Graphics Software

Question No: 19 (Marks: 1) - Please choose one
Application developers do not need to know much about the HW, especially the microprocessor, while they are developing their application.
► True
► False

Question No: 20 (Marks: 1) - Please choose one
Which of the following formula is used in spread sheet for addition?
► C6+E6
► =C6+E6
► 6+6=12
► 6+E6

Question No: 21 (Marks: 1) - Please choose one
Web Pages developed for human as well computer understanding are called as;
► Static Web Pages
► Semantic Web Pages
► Dynamic Web Pages
► Java Web Pages
Question No: 22  (Marks: 1) - Please choose one
Programs where no user interaction found during program execution are called _________.

- Batch program  page 129
- Event-driven programs
- Graphics based programs
- None of the given

Question No: 23  (Marks: 1) - Please choose one
In __________, the software developer decomposes the problem into subsystems and defines their relationships.

- Detailed Design
- Integration Testing
- Design  page 137
- Architecture

Question No: 24  (Marks: 1) - Please choose one
A diode functions as the electronic version of a ________-way valve.
① one  page 32
② two
③ three
④ four

Question No: 25  (Marks: 1) - Please choose one
What is the key feature of computer which is against human nature?

- Can’t get bored.
- Pattern recognition
- Repetition
- None

Question No: 26  (Marks: 1) - Please choose one
The first __________ was invented at Bell Laboratories on December 16, 1947 by William Shockley.

- Transistor  page 14
- Vacuum Tube
- Punch card
Question No: 27  ( Marks: 1 )
What is the Brute Force Strategy?

Answer: A strategy in which all possible combinations are examined and best among them is selected. Brute force (also known as brute force cracking) is a trial and error method used by application programs to decode encrypted data such as passwords or Data Encryption Standard (DES) keys, through exhaustive effort (using brute force) rather than employing intellectual strategies.

Question No: 28  ( Marks: 1 )
What is java script?

Answer: JavaScript is an object-oriented scripting language used to enable programmatic access to objects within both the client application and other applications. It is primarily used in the form of client-side JavaScript, implemented as an integrated component of the web browser, allowing the development of enhanced user interfaces and dynamic websites.

Question No: 29  ( Marks: 2 )
How can you explain control unit?

Answer: Control unit is a computerized part of the speech processor. Most of the controls, such as program, volume and sensitivity, are located on the control unit.

Question No: 30  ( Marks: 3 )
How a designer makes Structured Design?

Answer: Structured Design: Materials and member type, size, and configuration to carry loads in a safe and serviceable fashion. In general, structural design implies the engineering of stationary objects such as buildings and bridges, or objects that may be mobile but have a rigid shape such as ship hulls and aircraft frames. Structural design involves at least five distinct phases of work, project requirements, materials, structural scheme, analysis, and design. It is insufficient in most cases, for the designer to consider a solution, a design. He should evaluate several alternate designs and choose the best in the sense of maximizing such technical objectives as efficiency, reliability, and maintainability while satisfying such design constraints as memory size and response time.

Question No: 31  ( Marks: 5 )
What is Turing machine? Who invented it and also explain how a Turing test is conducted?

Answer: A Turing machine is a theoretical device that manipulates symbols contained on a strip of tape. Despite its simplicity, a Turing machine can be adapted to simulate the logic of any computer algorithm, and is particularly useful in explaining the functions of a CPU inside of a computer. The "Turing" machine was designed by Alan Turing in 1937.

The Turing test is a proposal for a test of a machine's ability to demonstrate intelligence. It proceeds as follows a human judge engages in a natural language conversation with one human and one machine, each of which tries to appear human. All participants are placed in isolated locations. If the judge cannot reliably tell the machine from the human, the machine is said to have passed the test. In order to test the machine's intelligence rather than its ability to render words into audio, the conversation is limited to a text-only channel such as a computer keyboard and screen.

If a computer pass the test, we can say that a machine can think.

Question No: 32   ( Marks: 5 )

What are JavaScript literal and what are its types?

Answer: The raw data that make up the root of data types are called "literals." These are, in effect, literally what they represent themselves to be. Numbers, strings, and Boolean values make up the core set of literals in JavaScript. Little mystery exists with literals, but important differences exist between them. In JavaScript, data types include strings, which are simply quoted characters, numbers, Boolean, Objects and even a type which has no value at all, Null. Since JavaScript is a loosely typed language, you don't necessarily need to know what type of data every value is (although it certainly helps).

Every piece of data in these categories is known as a value. When a value is referred to outright in a statement, it is called a literal value. For the same reason people are identified by names as opposed to "human" or "person", literal values can be named in order to make repeated reference to them practical, efficient and readable. These names are called variables.

Literals can be of several types. Some of them are:

- Array Literals
- Boolean Literals
- Floating-Point Literals
- Integers
- Object Literals
- String Literals
MIDTERM EXAMINATION

Fall 2009

CS101- Introduction to Computing (Session - 2)

Time: 60 min
Marks: 43

Question No: 1 (Marks: 1) - Please choose one
Vacuum tubes were replaced by _transistors_

► Punch cards
► Transistors
► Micro Processors
► Resistors

Question No: 2 (Marks: 1) - Please choose one
Today's computers are based on the technology of ___transistors___

► Punch cards
► Vacuum tubes
► Transistors
► Resistors

Question No: 3 (Marks: 1) - Please choose one
Browser is a __________ none of the given choices_________ used for browsing.
Question No: 4 (Marks: 1) - Please choose one
It represents the _____input or output__________ flow chart element.

- Process
- Input or Output
- Decision
- Connector

Question No: 5 (Marks: 1) - Please choose one
Which of the following number system is used by microprocessor? Binary

- Binary
- Decimal
- Octal
- Hexadecimal

Question No: 6 (Marks: 1) - Please choose one
Hexadecimal number system is based on ----------16---------- digits
Question No: 7 (Marks: 1) - Please choose one

Java script interact with user through ______ Event handlers ________

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

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

Programs that are typically started from a shell (or automatically via a scheduler) are called **Batch programs**

► Batch programs
► Event-driven programs
► Sequential programs
► Application programs

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

A new cell using HTML is added in table row by `<TD>`..`<TD>`
Question No: 10  ( Marks: 1 )  - Please choose one
Waterfall is a __sequential________ life-cycle model.

- Spiral
- **Sequential**
- Circular
- Spherical

Question No: 11  ( Marks: 1 )  - Please choose one
What will be the result of the following formula in Spreadsheet application?

\[ \text{SUM}(A2:A3) = 100 \] (Assume that \( A2 = 25 \) \( A3 = 75 \))

- 25
- 50
- 75
- **100**
Question No: 12  ( Marks: 1 )  - Please choose one

A _____multi user_______ operating system allows many users to take advantage of the computer’s resources, simultaneously

► Single user

► Multi-user

► Single tasking

► Multi tasking

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

When we use `<INPUT type="password">`, what will happen? Text will be in **** format

► Text will not be visible

► Text will be in normal format

► Text will be in **** format

► Text will be in #### format
Question No: 14 (Marks: 1) - Please choose one

The world first computer program was written to compute: bernoulli’s sequence

► Simple sequence
► Multiple sequence
► **Bernoulli’s sequence**
► Increasing sequence

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

The first Web browser with a GUI was generally available in: 1993

► 1992
► **1993**
► 1994
► 1995

Question No: 16 (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 million
► 1.3 thousand

Question No: 17 (Marks: 1) - Please choose one
Monitor is an example of: output device

► Input Device
► Processing Device
► **Output Device**
► Storage Device

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

Forms can be submitted through _____get__ & __post_____ methods

► INCLUDE, POST
► INCLUDE, GET
► **GET, POST**
► SEND, POST

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

_kernel______ is responsible for all the essential operations like basic house keeping, task scheduling, etc. Also contains low-level HW interfaces

► Hardware
► Device Manager
► **Kernel**
► Device Driver

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

Which of the following is NOT an Application Software. Windows XP

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

Bit-mapped graphics is also known as _____raster___ graphics

- Vector
- Raster
- Scalar
- Simple

Question No: 22 (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
Question No: 23  ( Marks: 1 )  - Please choose one

_____semicolon_______ is used to terminate all JavaScript statements.

► Colon

► **Semicolon**

► Underscore

► Apostrophe

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

By today’s standards, the Mark-I was slow and requiring 3 to 5 seconds for a multiplication operation. True

► **True**

► False

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

There are_____NO Standard____________ rules to write the Pseudo Code.

► Standard

► **No standard**

► Pre-defined

► Strict

Question No: 26  ( Marks: 1 )  - Please choose one
In flow charts, there is only one entry point in conditions while there is/are _____ exit points.

1

2

3

4

Question No: 27  ( Marks: 1 )

Define URL

URL (Uniform resource locator)

URL (Uniform Resource Locator, previously Universal Resource Locator) - is the address of a file (resource) accessible on the Internet. The type of file or resource depends on the Internet application protocol.

Examples of URLs:  
http://vu.edu.pk

http://www.yahoo.com

Question No: 28  ( Marks: 1 )

What is Randomized Algorithm?

Randomized Algorithm:

Any algorithm whose behavior is not only determined by the input, but also values produced by a random number generator

These algorithms are often simpler and more efficient than deterministic algorithms for the same problem. And because of there simplicity they are easier
to analyze which is the most important thing in the decision making of an algorithm.

**Question No: 29  ( Marks: 2 )**

*What was the name of first super computer. When it was introduced?*

CRAY1 is the first computer and it was introduced in 1973

**Question No: 30  ( Marks: 3 )**

*How a designer makes Structured Design?*

**Structured Design** is known as a Top-down design.

The designed first conceives about the High level design and then further designs the details of the high level design components and it goes on and on.

Making small changes in the functionality of the systems sometimes leads to major re-design exercise. Structured design separates the functionality from programs data and that’s why program’s designed by this methodology are difficult to maintain.

**Question No: 31  ( Marks: 5 )**

*Why microprocessor uses the binary number system and not the decimal or any other number system?*

The processor is the logic of a computer and functions comparably to a human central nervous system, directing signals from one component to another and enabling everything to happen. A microprocessor is made from miniaturized transistors and other circuit elements on a single semiconductor integrated circuit (IC). These are made up of semiconductor and silicon.

Microprocessor are composed of components which has only two states either 0 or 1. Binary number system is also composed of these two states.
Microprocessor till today only understand the machine language and machine language is only based on binary number system. Even today’s 64 bit microprocessors are also based on this technology.

**Question No: 32  ( Marks: 5 )**

Why do we need an Interactive Form in a webpage?

1. Interactive forms are used to gather user data and interact with the user.
2. Forms can be made interactive with the use of client side scripting and server side scripting.
3. In HTML, `<FORM> </FORM>` tag is used to insert the form in a web page and it always lie in `<BODY></BODY>` html tag.
4. without form’s web site is only “READ ONLY”.
5. with the help of forms a user and can search the contents, place order for goods and services.
6. Forms can be simple or very complex, based on the requirement.
7. forms can contain a single element or many e.g text area, buttons

** Human are better than computers at:**

- Efficiency
- Accuracy
- Pattern recognition
Question No: 2  ( Marks: 1 )  - Please choose one

Cray-1 was first commercial ________ computer

- Super
- Mini
- Micro
- Personal

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

URL is a/an ________

- Device
- Component
- **Address**
- Tool

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

Mainframe Computers are also called ______

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

Which of the following is NOT a category of Mobile Computers?

► Laptop
► Palmtop
► **Desktop**
► Wearable

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

Preliminary exploration of possible solutions, technologies, suppliers is called

► Viability
► **Feasibility**
► Specification
► Integration
Question No: 7  ( Marks: 1 )  - Please choose one

___________ give us the ability to manipulate data through reference instead of actual value.

► Constants
► Variables
► Data Types
► Operators

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

Consider the following statement written in JavaScript:

str = "Hello" + " World"

What will be the value of str?

► HelloWorld
► Hello World
► Hello + World
► It will result in error
Question No: 9  (Marks: 1) - Please choose one

A tool that helps you to find the synonyms is called ________________.

► Language
► Paragraph
► Thesaurus
► Symbol

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

Communication protocol is a ___________ that governs the flow of information over a network.

► Set of protocols
► Set of rules
► Device
► Set of methods

Question No: 11  (Marks: 1) - Please choose one
If a computer could pass the Turing test then it would be able to:

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

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

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

► 1992
► 1993
► 1994
► 1995

Question No: 13  ( 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
Question No: 14 (Marks: 1) - Please choose one

In this URL http://www.msn.com, _____identifies the domain name

► http
► www
► msn
► com

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

______ is simply a fast port that lets you connect computer peripherals and consumer electronics to your computer without restart.

► Freeware
► Shareware
► Firewire
► Firmware

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

Which of the following is NOT supported by PC's power supply.
-12 and +12 V DC
-10 and +10 V DC
-5 and + 5 V DC
All are supported

Question No: 17  ( Marks: 1 )  - Please choose one
In which case Cache Memory is used
- To increase RAM speed
- To overcome BUS speed
- To overcome Speed rate between RAM and CPU
- To overcome CPU speed

Question No: 18  ( Marks: 1 )  - Please choose one
To display a single line text area on the web page, we use ___ tag
- TEXT
- TEXTBOX
- INPUT
- INPUTBOX
Question No: 19  ( Marks: 1 )  - Please choose one

If an algorithm is syntactically correct, but semantically incorrect then this situation is

► Very good situation

► **Very dangerous situation**

► Not very bad

► Neutral situation

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

Users communicate with the computer using a consistent user interface provided by the OS.

▶ **True**

▶ False

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

Application developers do not need to know much about the HW, especially the microProcessor, while they are developing their application.

▶ **True**

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

The first spread sheet program was invented by

► Charles Babbage

► Dan Bricklin

► Paul Graham

► John von Neumann

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

Which representation technique of algorithm is more suitable for developer to make actual code___________.

► pseudo code

► flow chart

► both pseudo code and flow chart

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

_______________ is used to terminate all JavaScript statements.

► Colon

► **Semicolon**

► Underscore

► Apostrophe

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

In java script cookies can be created for future use_____.

► Easily

► No facility at all

► This is not possible without Java language.

► **Cookies are files so java script can not handle it.**
Question No: 26  ( Marks: 1 )  - Please choose one

When the microprocessor desires to look at a piece of data, it checks in the __________ first.

► RAM
► ROM
► hard disk
► cache

Question No: 27  ( Marks: 1 )

What is the basic difference between 'magnetic tapes' and 'floppy disks' ?

Question No: 28  ( Marks: 1 )

What was the name of first microprocessor built by Intel ?
Question No: 29  ( Marks: 2 )

What was the name of first super computer. When it was introduced?

Question No: 30  ( Marks: 3 )

Write a short note on blue pacific Super Computer.

Question No: 31  ( Marks: 5 )

What are JavaScript literal and what are its types?

Question No: 32  ( Marks: 5 )

Can you say that URL and semantic web sites are same? Justify your answer by defining the both terms?
Question No: 1  (Marks: 1) - Please choose one
Human are better than computers at:

► Efficiency
► Accuracy
► Pattern recognition
► None of the given choices

Question No: 2  (Marks: 1) - Please choose one
The memory size of the Altair 8800 was

► 128 bytes
► 128 Kilo bytes
► 256 Kilo bytes
► 256 bytes

Question No: 3  (Marks: 1) - Please choose one
Information on World Wide Web is __

► Physically
► Logically
► Really
► None of the given choices

Question No: 4  (Marks: 1) - Please choose one
Mainframe Computers are also called _

► Enterprise Servers
► Personal Servers
► Enterprise Managers
► Window Servers
Question No: 5 (Marks: 1) - Please choose one
Which of the following is NOT a category of Mobile Computers?

► Laptop
► Palmtop
► Desktop
► Wearable

Question No: 6 (Marks: 1) - Please choose one
Hexadecimal number system is based on ---->

► 2
► 8
► 12
► 16

Question No: 7 (Marks: 1) - Please choose one
<UL> tag is used to

► underline text
► end the line
► create ordered list
► create unordered list

Question No: 8 (Marks: 1) - Please choose one
Bringing subsystems together to form the system is called

► Integration
► Merging
► Splitting
► Operation & Maintenance

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

__________ give us the ability to manipulate data through reference instead of actual value.

► Constants
► Variables
► Data Types
► Operators

Question No: 10 (Marks: 1) - Please choose one
In spreadsheets, cell address A12 means _ ► ______.
Question No: 11 (Marks: 1) - Please choose one
Which of the following is/are the parts of Operating system components?

- GUI
- Device Manager
- Shell
- All of these

Question No: 12 (Marks: 1) - Please choose one
The key feature of Scientific/Engineering/Graphics applications is

- Intense calculations
- User-friendly
- Reliability
- Cost-effective

Question No: 13 (Marks: 1) - Please choose one
Command which saves the selected text before deleting is

- Copy
- Delete
- Cut
- Undo

Question No: 14 (Marks: 1) - Please choose one
All the hardware components of the Computer system are installed on -----------.

- Microprocessor
- Motherboard
- Monitor
- Memory

Question No: 15 (Marks: 1) - Please choose one
By default in a web page Hyper Link for another web page is represented as

- Blue and Underlined
Question No: 16  ( Marks: 1 )  - Please choose one
A microprocessor can be made more powerful by increasing its _►

► Clock frequency
► Word length
► Clock frequency and Word length
► None of above

Question No: 17  ( Marks: 1 )  - Please choose one
_______ is a related collection of WWW files that includes a beginning file called a homepage
► HTML
► Website
► HTTP
► Web page

Question No: 18  ( Marks: 1 )  - Please choose one
Structures, in which another list starts before the first list is finished, are called
► Multiple Lists
► Nested Lists
► Ordered Lists
► Un-ordered Lists

Question No: 19  ( Marks: 1 )  - Please choose one
When the user needs something to be done by the computer, he/she gives instructions in the form of _ _____ to computer _____

► Software, Hardware
► Hardware, Software
► System Software, Application Software
► Graph, Monitor

Question No: 20  ( Marks: 1 )  - Please choose one
Application developers do not need to know much about the_________ while they are developing their applications
► Software
► Hardware
► Operating System
► Kernel
Question No: 21  (Marks: 1)  - Please choose one
Which of the following is NOT an Application Software.
► Word Processor
  ► Web Browser
  ► Windows XP
  ► MS Excel

Question No: 22  (Marks: 1)  - Please choose one
Web Pages developed for human as well computer understanding are called as;
► Static Web Pages
  ► Semantic Web Pages
  ► Dynamic Web Pages
  ► Java Web Pages

Question No: 23  (Marks: 1)  - Please choose one
JavaScript stores all numbers as ________________.
► Integers
  ► Floating point numbers
  ► Strings
  ► Character values

Question No: 24  (Marks: 1)  - Please choose one
JavaScript and HTML are__► Java script is case sensitive but HTML is not ________.
► case sensitive
  ► Not case sensitive
  ► Java script is case sensitive but HTML is not
  ► HTML is case sensitive but Java script is not

Question No: 25  (Marks: 1)  - Please choose one
A diode functions as the electronic version of a ________-way valve.
► one
  ► two
  ► three
  ► four
Question No: 26  ( Marks: 1 ) - Please choose one
The first ► ----------------was invented at Bell Laboratories on December 16, 1947 by William Shockley.

► Transistor
► Vacuum Tube
► Punch card
► Transmitter

Question No: 27  ( Marks: 1 )
What are compilers used for?
Ans: compiler is a softwear that can translate the whole program in once.it also save the program.

Question No: 28  ( Marks: 1 )
What is Script?
Ans: script is a sequence of steps to carry out a work by processor And manage by a language like Javascript and vb scripts.

Question No: 29  ( Marks: 2 )
What is <p> tag in HTML and How it is different from <br> tag?
Ans: <p> is used for paragraph in HTML language it has a closing tag </p> unlike <br> which has no closing tag. Br only used to break the current line while <p> can be used for more lines

Question No: 30  ( Marks: 3 )
How can you manipulate the address of a file (resource) accessible on the Internet?
World wide web ,URL, domain name

Question No: 31  ( Marks: 5 )
Write Hyper Link for a Web Page and for an Email Address.
Ans: Following are the Hyper link for a web page
www.vu.edu.pk
www.yahoo.com
www.hotmail.com

Question No: 32  ( Marks: 5 )
Write down the requirement of Desktop Publishing?
User requirement
Softwear requirements
. Laser printer
  Scanner
  DESkttop publishing softwears
e.g
  adobe page maker
  M$ publisher
  High end pc with a large screen monitor
  Formate
  Numerical data
  Text

MIDTERM EXAMINATION
Spring 2009
CS101- Introduction to Computing (Session - 5)

Time: 60 min
Marks: 43

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

Cray-1 was first commercial ________ computer

  ▶ Super
  ▶ Mini
  ▶ Micro
  ▶ Personal

Question No: 2  ( Marks: 1 )  - Please choose one
Browser is a _______________ used for browsing.

► Tool
► Component
► Device
► None of the given choices

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

It represents the _____________ flow chart element.

► Flow Line
► Connector
► Off-page connector
► Start or Stop

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

JavaScript is an example of ___________ language.

► Object-based
► Object-oriented
► Machine
Question No: 5  ( Marks: 1 )  - Please choose one

The set of rules and guidelines a team of developers follow to construct reasonably complex SW systems is called

► Object Oriented Design
► Object Oriented Software
► Design Methodology
► Programming language

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

Waterfall is a _______ life-cycle model.

► Spiral
► Sequential
► Circular
► Spherical

Question No: 7  ( 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: 8  ( Marks: 1 )  - Please choose one

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

- Numbers
- Text
- Formulas
- None of the given choices

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

VisiCalc was the first popular _____application on PC’s.

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

Fins are used to --------------

► Communicate with microprocessor
► Increase surface area of Fan
► Decrease surface area of Fan
► Speed up the Fan.

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

Using only HTML we can create

► Dynamic web pages
► Static web pages
► Both Static and Dynamic pages
Question No: 12  ( Marks: 1 ) - Please choose one

Everything that JavaScript manipulates is treated as:

► Object
► Window
► Text
► Script

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

The _____ is connected to all other modules of the microprocessor.

► Control unit
► Memory unit
► Floating Point unit
Question No: 14  ( Marks: 1 )  - Please choose one

Communication protocol is a ________ that governs the flow of information over a network

- Set of protocols
- Set of rules
- Device
- Set of methods

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

_______ is the interface in computer that supports transmission of multiple bits at the same time.

- Serial Port
- **Parallel Port**
- Universal Serial Bus
- None of the given choices

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

_____ was designed as a replacement for typewriter

- Spreadsheet Software
- **Word Processor Software**
Question No: 17 (Marks: 1) - Please choose one

Which one of these translates the program once at a time?

- Interpreter
- Compiler
- Operating system
- Translator

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

Randomized algorithms are often ______ than deterministic algorithms for the same problem.

- Simpler and more slow
- Simpler and more efficient
- Complex and more efficient
- Complex and more slow

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

Ada written a computer programme for?
Question No: 20  ( Marks: 1 )  - Please choose one

A test proposed to determine if a computer has the ability to think. It is called?

- Turing test
- Turning test
- Intelligence test
- None
Question No: 21  ( Marks: 1 )  - Please choose one

The most used form tag is the <input> tag.

► True
► False

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

When the user clicks on the "Submit" button, the content of the form is sent to the server.

► True
► False

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

Extension for saving web page is / are;

► *.html
► *.htm
► *.html and *.htm both are in use
► None of These
Question No: 24  ( Marks: 1 )  - Please choose one

In spread sheet a cell may contain

► Numbers
► Text
► Formulas
► All of the given

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

Programs where no user interaction found during program execution are called ________.

► Batch programs
► Event-driven programs
► Graphics based programs
► None of the given

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

OO software is all about __________.
Question No: 27 (Marks: 1)
What is the key feature of batch programs?

**Answer:** The key feature is no user interaction with computer while a program is running.

Question No: 28 (Marks: 1)
Name two languages which are used for client side scripting?

**Answer:** Javascript, VBscript

Question No: 29 (Marks: 2)
What is the purpose of MODEM?

**Answer:** It receive data analog signal from a phone line and then convert them into digital signal and send back to the computer with which it is attached. It also receives data from computer and convert it into analog signals.
Question No: 30  ( Marks: 3 )

What is Home Page of a web site?

**Answer:** For a web user it is a first page displayed when a user starts a web browser and for a web developer it is a first page when a user selects a site.

Question No: 31  ( Marks: 5 )

Why microprocessor uses the binary number system and not the decimal or any other number system?

**Answer:** Because this system is natural for digital computer. Digital computer have fundamental building blocks like ON & OFF Etc so it is natural to represent those in a number system that has only two symbols e.g Binary Numbers 0,1. Whereas decimal system is natural for human.

Question No: 32  ( Marks: 5 )

What is the difference between Interactive-mode and Batch-mode Application Software?

**Answer:** Batch-mode: This Mode Program has no user interaction with computer while a program is running e.g Paroll

Interactive-mode: The user runs the program on the computer and keeps interacting with the computer while a program is running e.g word processor
### MIDTERM EXAMINATION
Spring 2009
CS101- Introduction to Computing (Session-06)

Time: 60 min  
Marks: 43

<table>
<thead>
<tr>
<th>Student Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>StudentID:</td>
</tr>
<tr>
<td>Center:</td>
</tr>
<tr>
<td>ExamDate:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>For Teacher's Use Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q No.</td>
</tr>
<tr>
<td>Marks</td>
</tr>
<tr>
<td>Q No.</td>
</tr>
<tr>
<td>Marks</td>
</tr>
<tr>
<td>Q No.</td>
</tr>
<tr>
<td>Marks</td>
</tr>
<tr>
<td>Q No.</td>
</tr>
<tr>
<td>Marks</td>
</tr>
</tbody>
</table>
**Question No: 1 (Marks: 1) - Please choose one**

A diode functions as the electronic version of a __________-way valve.

► one
► two
► three
► four

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

What is name of book from which word algorithm is taken?

► Algebra and trigonometry
► Introduction to algorithms
► Research for new horizons
► **Algoritmi de numero Indorum**

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

<form> Tags always placed between the <BODY> and </BODY> tags of a Web page

► True
► False

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

_________ consists of cells arranged in rows & columns

► **Spreadsheets Software**
► Word processor
► Presentation Software
► Microsoft Paint Software

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

_____ was designed as a replacement for typewriter

► Spreadsheet Software
► **Word Processor Software**
► Presentation Software
► Database Software

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

__________ manages the HW and SW resources (memory, disk drives etc) of the computer system, often invisibly.

► Explorer.exe
► System Files
► **Operating System**
Question No: 7 (Marks: 1) - Please choose one
To display a radio button on the web page, we use ___ tag
► INPUTBUTTON
► INPUT
► RADIOBUTTON
► RADIO

Question No: 8 (Marks: 1) - Please choose one
Machine language is also called
► Assembly Language
► Binary Language
► High Level Language
► HTML Language

Question No: 9 (Marks: 1) - Please choose one
When the user needs something to be done by the computer, he/she gives instructions in the form of _____ to computer _____
► Software, Hardware
► Hardware, Software
► System Software, Application Software
► Graph, Monitor

Question No: 10 (Marks: 1) - Please choose one
A truth table defines the _______ of a logic function for all possible _______
► Input -- Outputs
► Output -- Inputs
► Process -- Inputs
► Input -- Processes

Question No: 11 (Marks: 1) - Please choose one
Which one is correct?
► <BODY></BODY>
► <body></body>
► Both <BODY></BODY> and <body></body>
► <BODY/>

Question No: 12 (Marks: 1) - Please choose one
WWW stands for:
► Wide World Web
► World Wide Web
► World White Web
► World Web Wide
Question No: 13  (Marks: 1) - Please choose one
A _______ translates a high-level language (that is easy to understand for humans) into a language that the computer can understand
► Computer
► Transistor
► Compiler
► Device

Question No: 14  (Marks: 1) - Please choose one
Deep Blue was the name of
► computer
► human
► city
► game

Question No: 15  (Marks: 1) - Please choose one
Data travels through bus in the form of ________________
► Packets
► Bits
► Bytes
► Word

Question No: 16  (Marks: 1) - Please choose one
Command which saves the selected text before deleting is
► Copy
► Delete
► Cut
► Undo

Question No: 17  (Marks: 1) - Please choose one
AutoCAD falls in the category of ________________
► Engineering Applications
► Graphics Applications
► Scientific Applications
► Business Applications
Question No: 18 (Marks: 1) - Please choose one
In Spreadsheets, you can create a relationship between two cells by using _____.

► Numbers
► Text
► Formulas
► None of the given choices

Question No: 19 (Marks: 1) - Please choose one
Which of the following symbol is used for multiple line comments in JavaScript?

► /
► //
► /*
► //*

Question No: 20 (Marks: 1) - Please choose one
____________ is a system software that converts the source code written in high level language into machine language code.

► Utilities
► Drivers
► Language Translator
► None of the these

Question No: 21 (Marks: 1) - Please choose one
__________ is a particularly good language for processing numerical data, but it does not lend itself very well to large business programs

► BASIC
► PASCAL
► JAVA
► FORTRAN

Question No: 22 (Marks: 1) - Please choose one
Which of the following number system is used by microprocessor?

► Binary
► Decimal
► Octal
► Hexadecimal

Question No: 23 (Marks: 1) - Please choose one
The __________ Processor is specially designed for PDA?

► PowerPC
► StrongARM
Question No: 24  (Marks: 1) - Please choose one
Mainframe Computers are also called _____
► Enterprise Servers
► Personal Servers
► Enterprise Managers
► Window Servers

Question No: 25  (Marks: 1) - Please choose one
URL is a/an ______
► Device
► Component
► Address
► Tool

Question No: 26  (Marks: 1) - Please choose one
Ada, Countess of Lovelace developed first:
► Computer
► Website
► Computer Program
► Analytical engine

Question No: 27  (Marks: 1)
What is the problem with Brute Force Strategy approach?

Question No: 28  (Marks: 1)
What was the name of first computer in which binary numbers were used instead of decimal numbers?

Question No: 29  (Marks: 2)
How can we say that JavaScript is Not Object-Oriented language?

Question No: 30  (Marks: 3)
List down the names of any three parameters on which we analyze an algorithm.

Question No: 31  (Marks: 5)
Write differences between Shareware and Trialware software.

Question No: 32  (Marks: 5)
What is function of Goal Seek command in Excel?
Question No: 1 (Marks: 1) - Please choose one
Cray-1 was first commercial ________ computer
► Super
► Mini
► Micro
► Personal

Question No: 2 (Marks: 1) - Please choose one
Browser is a ________________ used for browsing.
► Tool
► Component
► Device
► None of the given choices

Question No: 3 (Marks: 1) - Please choose one
It represents the _____________ flow chart element.
► Flow Line
► Connector
► Off-page connector
► Start or Stop

Question No: 4 (Marks: 1) - Please choose one
JavaScript is an example of ____________ language.
► Object-based
► Object-oriented
► Machine
► Assembly

Question No: 5 (Marks: 1) - Please choose one
The set of rules and guidelines a team of developers follow to construct reasonably complex SW systems is called
► Object Oriented Design
► Object Oriented Software
► Design Methodology
► Programming language
Question No: 6  (Marks: 1) - Please choose one
Waterfall is a _________ life-cycle model.

► Spiral
► Sequential
► Circular
► Spherical

Question No: 7  (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: 8  (Marks: 1) - Please choose one
In Spreadsheets, you can create a relationship between two cells by using _____.

► Numbers
► Text
► Formulas
► None of the given choices

Question No: 9  (Marks: 1) - Please choose one
VisiCalc was the first popular _______ application on PC’s.

► Spreadsheet
► Word processor
► Presentation
► Database

Question No: 10  (Marks: 1) - Please choose one
Fins are used to ____________

► Communicate with microprocessor
► Increase surface area of Fan
► Decrease surface area of Fan
► Speed up the Fan.

Question No: 11  (Marks: 1) - Please choose one
Using only HTML we can create

► Dynamic web pages
Static web pages

Both Static and Dynamic pages

None of these

Question No: 12  (Marks: 1) - Please choose one
Everything that JavaScript manipulates is treated as:
  ► Object
  ► Window
  ► Text
  ► Script

Question No: 13  (Marks: 1) - Please choose one
The ______ is connected to all other modules of the microprocessor.
  ► Control unit
  ► Memory unit
  ► Floating Point unit
  ► Arithmetic and Logic unit

Question No: 14  (Marks: 1) - Please choose one
Communication protocol is a __________that governs the flow of information over a network
  ► Set of protocols
  ► Set of rules
  ► Device
  ► Set of methods

Question No: 15  (Marks: 1) - Please choose one
___________ is the interface in computer that supports transmission of multiple bits at the same time.
  ► Serial Port
  ► Parallel Port
  ► Universal Serial Bus
  ► None of the given choices

Question No: 16  (Marks: 1) - Please choose one
_________ was designed as a replacement for typewriter
  ► Spreadsheet Software
Question No: 17 (Marks: 1) - Please choose one
Which one of these translates the program once at a time?
- Interpreter
- **Compiler**
- Operating system
- Translator

Question No: 18 (Marks: 1) - Please choose one
Randomized algorithms are often ________ than deterministic algorithms for the same problem.
- Simpler and more slow
- **Simpler and more efficient**
- Complex and more efficient
- Complex and more slow

Question No: 19 (Marks: 1) - Please choose one
Ada written a computer programme for?
- **Analytical Engine**
- Difference Engine
- Harvard Mark 1
- Mechanical engine

Question No: 20 (Marks: 1) - Please choose one
A test proposed to determine if a computer has the ability to think. It is called?
- **Turing test**
- Turning test
- Intelligence test
- None

Question No: 21 (Marks: 1) - Please choose one
The most used form tag is the <input> tag.
Question No: 22  (Marks: 1) - Please choose one
When the user clicks on the "Submit" button, the content of the form is sent to the server.

► True
► False

Question No: 23  (Marks: 1) - Please choose one
Extension for saving web page is / are;
► *.html
► *.htm
► *.html and *.htm both are in use
► None of These

Question No: 24  (Marks: 1) - Please choose one
In spread sheet a cell may contain

► Numbers
► Text
► Formulas
► All of the given

Question No: 25  (Marks: 1) - Please choose one
Programs where no user interaction found during program execution are called

► Batch programs
► Event-driven programs
► Graphics based programs
► None of the given

Question No: 26  (Marks: 1) - Please choose one
OO software is all about

► Behaviors
► Methods
► Properties
► Objects

Question No: 27  (Marks: 1)
What is the key feature of batch programs?
Batch files are useful for running a sequence of executables automatically
Question No: 28  ( Marks: 1 )
Name two languages which are used for client side scripting?
**JAVASCRIPT /NETSCAPE**

Question No: 29  ( Marks: 2 )
What is the purpose of MODEM ?

**THE PURPOSE OF MODEM IS MODULATE AND DEMODULATE THE ELECTRONIC ANALOG PULSES OF THE COMPUTER TO PULSES THE PHONE SYSTEM M CAN HANDEL.**

Question No: 30  ( Marks: 3 )
What is Home Page of a web site?

The pages of a website can usually be accessed from a simple Uniform Resource Locator (URL) called the homepage. The URLs of the pages organize them into a hierarchy, although hyper linking between them conveys the reader's perceived site structure and guides the reader's navigation of the sit

Question No: 31  ( Marks: 5 )
Why microprocessor uses the binary number system and not the decimal or any other number system?

At this point in computer science we only have two 'digital' states, which is that any bit can only be either on or off.

The on/off is commonly used to represent yes/no.(On(1) = Yes, Off(0) = No)

A microprocessor can only see if a signal is there or is missing, in other words, if the signal is on or off, or a bit is a 1 or a 0.

Question No: 32  ( Marks: 5 )
What is the difference between Interactive-mode and Batch-mode Application Software?

Batch files are useful for running a sequence of executables automatically and are often used by system administrators to **automate** tedious processes while interactive mode applications attract the attention of user this kind of applications can not execute untill User have interest to execute and complete the process.
Question No: 1 (Marks: 1) - Please choose one

_________ consists of cells arranged in rows & columns

► Spreadsheets Software
► Word processor
► Presentation Software
► Microsoft Paint Software

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

_________ manages the HW and SW resources (memory, disk drives etc) of the computer system, often invisibly.

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

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

Forms can be submitted through _______ & _______ methods

► INCLUDE, POST
► INCLUDE, GET
► GET, POST
► SEND, POST

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

To display a checkbox on the web page, we use ___ tag

► CHECKBOX
► CHECK
► INPUT
► INPUTBOX

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

You can _______ from/to a website containing interactive forms.

► Only read
► Only write
► Read and write
► Not read and write

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

There is a battery on the motherboard to:

► Give power to the processor
Save information when computer is off
Save information when computer is on
Give power to the motherboard

Question No: 7 (Marks: 1) - Please choose one
We can change the background color in HTML, using ___ attribute of <body>

► background
► bgcolor
► backcolor
► backgroundcolor

Question No: 8 (Marks: 1) - Please choose one
___ contains the name of the protocol required to access the resource, a domain name that identifies a specific computer on the internet and a pathname on the computer

► HTML
► HTTP
► URL
► WWW

Question No: 9 (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

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

► Wide World Web
► World Wide Web
► World White Web
► World Web Wide

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
Floating point unit is also known as ________ unit

► Real
► Integer
► Numeric
► Fractional

Question No: 13  ( Marks: 1 )  - Please choose one
Programs that reside on Web servers and receive info that a user enters in a form, are known as:

► Server-Side Scripts
► Client-Side Scripts
► Super Scripts
► Form Scripts

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

► RAM
► ROM
► Hard Disk
► CD ROM

Question No: 15  ( Marks: 1 )  - Please choose one
What will be the result of the following formula in Spreadsheet application ?
SUM(A2:A3) =_______(Assume that  A2 = 25 A3 = 75)

► 25
► 50
► 75
► 100

Question No: 16  ( Marks: 1 )  - Please choose one
VisiCalc was the first popular _______application on PC’s.

► Spreadsheet
► Word processor
► Presentation
► Database
Question No: 17  (Marks: 1) - Please choose one
__________ is a system software that converts the source code written in high level language into machine language code.
► Utilities
► Drivers
► Language Translator
► None of these

Question No: 18  (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: 19  (Marks: 1) - Please choose one
__________ is a program that executes instructions line by line written in a high-level language.
► Interpreter
► Compiler
► Predictor
► Executor

Question No: 20  (Marks: 1) - Please choose one
There are______________ rules to write the Pseudo Code.
► Standard
► No standard
► Strict
► Pre-defined

Question No: 21  (Marks: 1) - Please choose one
Which one is not the building block of an algorithm?
► Statements
► Sequences
► Repetitions
► Conditionals

Question No: 22  (Marks: 1) - Please choose one
In flow charts, there is only one entry point in conditions while there is/are_________ exit points.
Question No: 23  (Marks: 1) - Please choose one
A procedure that usually but not always works or that gives nearly the right answer is called___________

► Deterministic Algorithm
► Heuristic Algorithm
► Greedy Algorithm
► Randomized Algorithm

Question No: 24  (Marks: 1) - Please choose one
A Modem is a kind of ___
► Input device
► Output device
► Storage device
► Input and Output device

Question No: 25  (Marks: 1) - Please choose one
The memory size of the Altair 8800 was
► 128 bytes
► 128 Kilo bytes
► 256 Kilo bytes
► 256 bytes

Question No: 26  (Marks: 1) - Please choose one
----------- was known as “mill” in Analytical engine.
► Memory
► Processor
► Monitor
► Mouse

Question No: 27  (Marks: 1)
What is the key feature of object-oriented design?

ANSWER: The key feature of object-oriented design is that it treats every thing as object having properties and methods. These objects are separately treated and designed and once designed it can be used in any other system. So once designed can be used many times.
Question No: 28  ( Marks: 1 )
Write one purpose of using spreadsheets?
ANSWERS: Purpose of spreadsheets is that it can do calculations on data accurately.

Question No: 29  ( Marks: 2 )
List down two advantages of writing Pseudo Code
Answers: The advantages of pseudo code are:
- It is quite similar to human language so easy to understand.
- It is close to real code so easy to write real code from it.

Question No: 30  ( Marks: 3 )
How can we calculate total number of rows in the truth table?
ANSWER: The formula for calculating number of rows in truth table is $2^n$
Where $n =$ number of inputs

Question No: 31  ( Marks: 5 )
Differentiate between Vector graphics and Bit-mapped graphics.
ANSWER:

<table>
<thead>
<tr>
<th>VECTOR GRAPHICS</th>
<th>BIT MAPPED IMAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Treat everything as an object</td>
<td>1. Treats everything as a bit map.</td>
</tr>
<tr>
<td>2. Is resolution independent</td>
<td>2. Resolution dependent</td>
</tr>
<tr>
<td>3. Relatively small size</td>
<td>3. Large files</td>
</tr>
<tr>
<td>4. Example: Corel Draw</td>
<td>4. Example: Microsoft Paint</td>
</tr>
</tbody>
</table>

Question No: 32  ( Marks: 5 )
Write differences between Shareware and trail ware software.
ANSWER:

<table>
<thead>
<tr>
<th>SHAREWARE</th>
<th>TRIALWARE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. These are shared freely.</td>
<td>1. Software is offered for a trial period.</td>
</tr>
<tr>
<td>2. It is given without payment ahead of time.</td>
<td>2. When the period is expired it is no more in use.</td>
</tr>
</tbody>
</table>
Question No: 1 (Marks: 1) - Please choose one

It represents the _____________ flow chart element.

- Flow Line
- Connector
- Off-page connector
- Start or Stop

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

What is NOT a key factor while designing a website?

- Usability
- User-friendly
- Consistency
- Complexity

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

__________% of the users have left websites in frustration due to poor navigation.

- 40
- 62
- 83
- 91

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

In JavaScript, a variable declaration is

- Optional
- Mandatory
- Not allowed
- None of the given

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
Which is correct?

► OnUnload

► onUnLoad

► onUNLOAD

► All of the above

Question No: 7  (Marks: 1)  - Please choose one
Serial arrangement in which things follow logical order or a recurrent pattern, such as statements executing one by one, is called ________.

► Loop
► Sequence
► Condition
► Array

Question No: 8  (Marks: 1)  - Please choose one
Variables allow us to manipulate data through the __________.

► Actual Value
► Reference
► Length
► Name

Question No: 9  (Marks: 1)  - Please choose one
Fuzzy logic is based on ___________.

► Ground facts
► Experience
► Practice
► Approximation

Question No: 10  (Marks: 1)  - Please choose one
Word Processor is a _____________.

► System Software

► Application Software
Question No: 11  (Marks: 1) - Please choose one
In the old days, databases did NOT support ____________.
► Number
► Boolean
► Video
► Text

Question No: 12  (Marks: 1) - Please choose one
In tabular storage, fields placed in a particular row are strongly ____________.
► Independent
► Dependent
► Interrelated
► Inconsistent

Question No: 13  (Marks: 1) - Please choose one
Due to working at home, lack of interaction may result in ____________ professional growth.
► Slower
► Faster
► Higher
► Improved

Question No: 14  (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

Question No: 15  (Marks: 1) - Please choose one
______________ technique can be used to create smooth animations or to display one of several images based on the requirement.
► Image downloading
► Image preloading
► Image uploading
► Image postloading

Question No: 16  (Marks: 1) - Please choose one
The ____________ is becoming the preferred organizational structure for more and more organizations with the passage of time.
► Tree structured organizational model
Question No: 17  (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: 18  (Marks: 1) - Please choose one
A large number of networks interconnected physically are called ______
► LAN
► MAN
► Internet
► Network collection

Question No: 19  (Marks: 1) - Please choose one
TCP stands for _______.
► Transfer Center protocol
► Transmission Control Protocol
► Transmission Center Protocol
► Telephone Center Protocol

Question No: 20  (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: 21  (Marks: 1) - Please choose one
_________ is simply a fast port that lets you connect computer peripherals and consumer electronics to your computer without restart.
► Freeware
► Shareware
► Firewire
► Firmware

Question No: 22  (Marks: 1) - Please choose one
Structures, in which another list starts before the first list is finished, are called:
► Multiple Lists
Question No: 23  (Marks: 1)  - Please choose one
The key property of the ‘Array’ object in JavaScript is
► Value
► Length
► Name
► All of the given choices

Question No: 24  (Marks: 1)  - Please choose one
Which one is the example of spreadsheet software?
► MS Word
► MS PowerPoint
► MS Excel
► MS Access

Question No: 25  (Marks: 1)  - Please choose one
The Encryption of data is related to
► Data updates
► Data security
► Data integrity
► Data accessibility

Question No: 26  (Marks: 1)  - Please choose one
_____ is the process of analyzing large databases to identify patterns.
► Data normalization
► Data management
► Data Mining
► None of the given options