



## **CS101 SPRING 2010 MIDTERM**

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

\_\_\_\_\_ A  
combination of word processing and graphic design is

- ▶ Corel Draw
- ▶ **Desktop Publishing**
- ▶ Paint
- ▶ WordPad

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

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

- ▶ Port
- ▶ Slots
- ▶ Bus
- ▶ Modem

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

\_\_\_\_\_ The key strengths of computers are

- ▶ Speed
- ▶ Storage
- ▶ Do not get bored
- ▶ All of the given choices

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

\_\_\_\_\_ We can change the background color in HTML, using \_\_\_\_ attribute of <body>

- ▶ background
- ▶ bgcolor
- ▶ backcolor
- ▶ backgroundcolor

**Question No: 6 ( 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 miillion
- ▶ 1.3 thousand

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

\_\_\_\_\_ is  
the example of server-side scripts on Unix servers.

- ▶ ASP
- ▶ **CGI**
- ▶ VBScript
- ▶ JavaScript

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

\_\_\_\_\_ We need  
\_\_\_\_\_ for memory management in computer

- ▶ Software
- ▶ Hardware
- ▶ **Operating System**
- ▶ Application Software

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

\_\_\_\_\_ Data was  
stored and counted mechanically using ----- decimal storage wheels, -----  
rotary dial switches.

- ▶ 300,400
- ▶ 1300,1400
- ▶ 30100,14100
- ▶ **3000 , 1400**

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

\_\_\_\_\_ The first  
spread sheet program was invented by

- ▶ Charles Babbage
- ▶ **Dan Bricklin**
- ▶ Paul Graham
- ▶ John von Neumann

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

\_\_\_\_\_ In  $x = x + 20$ ,  $x$  is called a \_\_\_\_\_.

- ▶ Constant
- ▶ String
- ▶ Variable
- ▶ Number

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

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

- ☐ one
- ☐ two
- ☒ three
- ☐ four

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

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

- ▶ one
- ▶ two
- ▶ three
- ▶ four

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

\_\_\_\_\_  This element of Flow Chart is called \_\_\_\_\_.

- ▶ Process
- ▶ Off page connector
- ▶ Decision
- ▶ Connector

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

\_\_\_\_\_ Choose the correct html format to create a checkbox.

▶ <checkbox>

▶ <input type="checkbox">

▶ <check>

▶ <input type="checkbox">

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

**--is the process of starting or restarting a computer.**

☐ BIOS

☐ Refreshing

☒ Booting

☐ None of given

**Question No: 17 ( Marks: 2 )**

What is the Title of the web page for following code segment?

<Head>

<TITLE> VU Web <\TITLE>

<TITLE> Page </TITLE>

</Head>

**Question No: 18 ( Marks: 2 )**

What do you mean by Comments?

**Question No: 19 ( Marks: 2 )**

How can an operating system be viewed as a resource allocator?

**Question No: 20 ( Marks: 3 )**

What is

the role of application software in Education?

**Question No: 21 ( Marks: 3 )**

\_\_\_\_\_ Give four properties and two methods of window object ?

**Question No: 22 ( Marks: 5 )**

\_\_\_\_\_ What is the difference between High-level and Low-level programming languages?

**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**

\_\_\_\_\_ Ada,

**Countess of Lovelace developed first:**

- ▶ Computer
- ▶ Website
- ▶ Computer Program
- ▶ **Analytical engine**

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

\_\_\_\_\_ Charles

**Babbage was a/an**

- ▶ **Mathematician**
- ▶ Computer Scientist
- ▶ Physician
- ▶ Analyst

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

\_\_\_\_\_ Detailed plan, specifying the required resources and expected deliverables, is done in \_\_\_\_\_ phase.

- ▶ Planning
- ▶ **User Requirements** I s pe dout hai.
- ▶ Design

- ▶ Developer Specification

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

\_\_\_\_\_ A  
computer program that facilitates the communication between the computer and a peripheral device is called\_\_\_\_\_

- ▶ **Operating system**
- ▶ Utilities
- ▶ Language Translator
- ▶ Device Drives

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

\_\_\_\_\_ To start an  
ordered list from 20 instead of 1, we will write

- ▶ <OL begin = "20">
- ▶ <OL initiate = "20">
- ▶ **<OL start = "20">**
- ▶ <OL from = "20">

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

\_\_\_\_\_ is the best known builder for supercomputers.

- ▶ Sun
- ▶ **Cray Research**
- ▶ Microsoft
- ▶ Apple

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

\_\_\_\_\_ Using  
COLSPAN, number of rows of the current cell should extend itself

- ▶ Upward
- ▶ **Downward**
- ▶ Both Upward and Downward
- ▶ None of the given choices

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

forms are always placed between \_\_\_\_ tag-set

- ▶ TITLE
- ▶ HEAD
- ▶ BODY
- ▶ HTML

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

Speakers

fall into the hardware category.

- ▶ True
- ▶ False

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

\_\_\_\_\_ software directly interacts with the hardware.

- ▶ Application software
- ▶ System software
- ▶ Dynamic software
- ▶ Distributed software

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

In

spreadsheet, which of the following function is used to solve the

equation  $3x^3 - 2x + 5 = 0$  ?



- ▶ =COUNTIF
- ▶ =GoalSeek
- ▶ **None of the above**
- ▶ =Sum

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

\_\_\_\_\_ is known as the best feature in word processing.

- ▶ Cut
- ▶ Copy
- ▶ Paste
- ▶ **Undo**

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

\_\_\_\_\_ In java script objects may have Single properties.

▶ **Single**

▶ **Several**

- ▶ Multiple
- ▶ All of the given options

**Question No: 15 ( 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: 16 ( Marks: 1 ) - Please choose one**

\_\_\_\_\_ Small

Computer System Interface is

▶ Slower and harder to configure than serial and parallel ports

▶ Faster than USB

▶ Both first choices

▶ Slower than USB but Faster than serial and parallel

**Question No: 17 ( Marks: 2 )**

\_\_\_\_\_ Write the major types of softwares with examples?

Answer..

System SW

System software is responsible for controlling, integrating, and managing the individual

hardware components of a computer system.

System software performs tasks like transferring data from memory to disk, or rendering

text onto a display Specific kinds of system software include loading programs, operating

systems, device drivers, compilers, assemblers, linkers, and utilities.

Software libraries that perform generic functions also tend to be regarded as system software. System software stored on non-volatile storage on integrated circuits is usually

termed firmware. These generally perform the background tasks in a computer. These programs, many times, talk directly to the HW.

Application SW

Programs that generally interact with the user to perform work that is useful to the user.

These programs generally talk to the HW through the assistance of system SW.

**Question No: 18 ( Marks: 2 )**

\_\_\_\_\_ What is the major difference between paragraph <p> and Line Break <BR> tags?

<P> ... </P>

Paragraph

<BR>

Line break

**Question No: 19 ( Marks: 2 )**

Why

PASCAL was designed and what is the problem with PASCAL?

Answer,,

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

C++ embodies powerful object-oriented features, but it is complex and difficult to learn

What changes in the field of computer languages can we expect in the near future

**Question No: 20 ( Marks: 3 )**

What are

the key requirements of E-commerce Software?

Answer..

**E-Commerce Software**

Key requirements:

Reliability

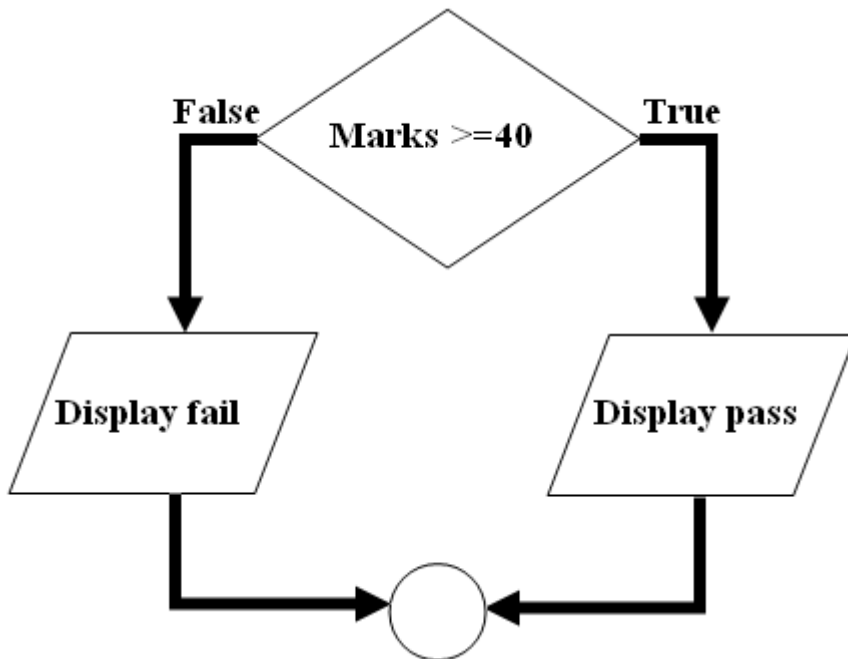
Security

Ability to handle 1000's of transactions, simultaneously

**Question No: 21 ( Marks: 3 )**

Write

down the pseudo code for the following flow chart.



Answer.... Pseudo code

Flowcharts

Actual code

Pseudo Code

Language that is typically used for writing algorithms

Similar to a programming language, but not as rigid

The method of expression most suitable for a gi

Question No: 22 ( Marks: 5 )

(a) Write down two positive features of client-side scripting.

Answer..

Reduced server load as it does not have to send messages to the user's browser about missing or incorrect data

Reduced network traffic as the form's data is sent only once instead of many to's and fro's

(b) Discuss two deficiencies of JavaScript.

**Question No: 23 ( Marks: 5 )**

What are the key features of a word processor?

**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

▶ **World Wide Web**

- ▶ World White Web
- ▶ World Web Wide

**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**
- ▶ CHECK
- ▶ INPUT
- ▶ INPUTBOX

**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
- ▶ IBM
- ▶ World Wide Web Consortium

**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?**

**Answer.,** Client-side JavaScript code is embedded within HTML documents in a number of ways:

- Between a pair of <script> and </script> tags
- From an external file specified by the src attribute of a <script> tag
- In an event handler, specified as the value of an HTML attribute such as onclick or onmouseover
- As the body of a URL that uses the special javascript: protocol

The following sections document each of these JavaScript embedding techniques in more detail. Together, they explain all the ways to include JavaScript in web pages -- that is, they explain the allowed structure of JavaScript programs on the client side.

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**Question No: 18 ( Marks: 2 )**

What is an interpreter? Write its one benifit over compiler.

Answered

**Interpreter** is a program that executes instructions written in a high-level language. An interpreter translates high-level instructions into an intermediate form, which it then

executes. In contrast, a compiler translates high-level instructions directly into machine language.

Compiled programs generally run faster than interpreted programs.

compilation stage during which the whole of the high-level code is translated into machine instructions in one go. This process can be time-consuming if the program is long.

The interpreter can immediately execute high-level programs, without waiting for the completion of the translation process.

The choice of which language to use can also depend on the:

- Type of computer the program is to run on,
- Expertise of the programmer

**Interpreters:** immediate response, but execute code slowly.

**Compilers:** Takes longer to compile, but super-fast execution.

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**Question No: 19 ( Marks: 2 )**

*Whether response time of a microprocessor is greater or less than that of RAM?*

A **microprocessor** incorporates most or all of the functions of a computer's central processing unit (CPU) on a single integrated circuit (IC, or microchip). The first microprocessors emerged in the early 1970s and were used for electronic calculators, using binary-coded decimal (BCD) arithmetic in 4-bit words. Other embedded uses of 4-bit and 8-bit microprocessors, such as terminals, printers, various kinds of automation etc, followed soon after. Affordable 8-bit microprocessors with 16-bit addressing also led to the first general-purpose microcomputers from the mid-1970s on.

During the 1960's, computer processors were often constructed out of small and medium-scale ICs containing from tens to a few hundred transistors. The integration of a whole CPU onto a single chip greatly reduced the cost of processing power. From these humble beginnings, continued increases in microprocessor capacity have rendered other forms of computers almost completely obsolete (see history of computing hardware), with one or more microprocessors used in everything from the smallest embedded systems and handheld devices to the largest mainframes and supercomputers.

Since the early 1970s, the increase in capacity of microprocessors has been a consequence of Moore's Law, which suggests that the complexity of an integrated circuit, with respect to minimum component cost, doubles every two years.

In the late 1990s, and in the high-performance microprocessor segment, heat generation (TDP), due to switching losses, static current leakage, and other factors, emerged as a leading developmental constraint.

**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

**1. answer formula**

**=sum(c3:c10) then enter**

**=(c2+c10Xc6) then enter**

---

**Question No: 21 ( Marks: 3 )**

---

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

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**Question No: 22 ( Marks: 5 )**

---

**What is software life cycle?**

SW Life-Cycle

The sequence of phases a SW goes through from the concept to decommissioning

It is important to think about all those phases before the design work starts

Thinking about the future phases generally results in:

Shorter delivery times

Reduced costs of development

A system of higher quality

**A Case in Point**

I didn't discuss with the customer the specs of the HW & OS before developing a particular e-commerce SW.

I wrote it for the HW/OS that was easily available to me.

Unfortunately that HW/OS combination differed from what was easily available to the

client Result: Huge amount of rework. Higher cost. Delayed delivery. Lower quality.

Therefore, now before designing a SW system, I first write down the installation manual, and get it OK'd by the customer. I do the same with the Operation & Maintenance manual as well.

**Question No: 23 ( Marks: 5 )**

---

Elaborate greedy algorithm definition with solid example in favour and one counter example?

An algorithm that always takes the best immediate, or local solution while finding an answer

Greedy algorithms may find the overall or globally optimal solution for some optimization problems, but may find less-than-optimal solutions for some instances of other problems

**KEY ADVANTAGE:** Greedy algorithms are usually faster, since they don't consider the

details of possible alternatives

**Greedy Algorithm: Counter Example**

During one of the international cricket tournaments, one of the teams intentionally lost a

match, so that they could qualify for the next round

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

This is an example of a non-greedy algorithm

**Greedy Algorithm: Example**

A skier skiing downhill on a mountain wants to get to the bottom as quickly as possible

What sort of an algorithm should the skier be using?

The greedy-algorithm approach will be to always have the skis pointed towards the largest downhill slope ( $dy/dx$ ), at all times

What is the problem with that approach?

In what situations that will be the best algorithm?

In which situations would it perform poorly?

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

\_\_\_\_\_ The default bullet for the list in HTML is

- Circle shape

► **Disc shape**

- Square shape
- Triangle shape

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

\_\_\_\_\_ Command which saves the selected text before deleting is

► **Copy**

- Delete
- Cut
- Undo

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

\_\_\_\_\_ Supercomputers are used in:

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



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

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

▶ **Tape**

- ▶ RAM
- ▶ Floppy
- ▶ DVD

**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**

- ▶ Application Software

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

\_\_\_\_\_ PowerBuilder falls in the category of \_\_\_\_\_.

- ▶ Assembly Languages
- ▶ 4-th Generation Languages
- ▶ Machine Languages

▶ **High-Level Languages**

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

\_\_\_\_\_ OO  
software is all about \_\_\_\_\_.

- ▶ Behaviors
- ▶ Methods
- ▶ Properties

► **Objects**

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

\_\_\_\_\_ Java script  
has ----- ability to create and draw graphics.

- Limited
- Versatile
- Medium
  
- Not at all

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

\_\_\_\_\_ Analytical  
Engine is not a single physical machine but a succession of designs that Babbage tinkered with until his death in 1871.

- True
- **False**

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

\_\_\_\_\_ Which  
statement is true about JavaScript?

- It is object oriented language
- It is Structured Query language
- **It is object based language**
- None of the given

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

Which one of the following is Read Only property.

☒ None of the given options

☐ Fgcolcor

☐ Title

☐ Referrer

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

Which of the following memory retains its information when the power to the system is turned off?

☐ RAM

☒ ROM

☐ DIMM

☐ DRAM

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

Norton utilities are a popular -----design for window operating system.

- ▶ Antivirus program
- ▶ File compression utility
- ▶ Personal firewall
- ▶ Personal computer maintenance utility

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

Form tag has two main properties namely----- and -----.

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☒ Method & Action

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Type

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Value

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Size

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

Shareware, -----and custom-built programs are not usually available on the web for users to download.

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Freeware

☐ ☐ ☐ ☐ ☐ ☐ ☒ ☐ Shareware

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Trial ware

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Hardware

Question No: 17 ( Marks: 2 )

What is Ockham's Razor principle ?

Answer...

*When choosing among competing, successful solutions to a problem, choose the one which is the least complex*

This principle is called the "Ockham's Razor," after William of Ockham - famous 13-th century English philosopher

Question No: 18 ( Marks: 2 )

What do you mean by Comments?

Question No: 19 ( Marks: 2 )

\_\_\_\_\_ How can  
you open a link in a new browser window?

**Question No: 20 ( Marks: 3 )**

\_\_\_\_\_ How  
spreadsheet is helpful in doing “what-if” scenario analysis in a business? Explain  
with the help of an example.

**Question No: 21 ( Marks: 3 )**

\_\_\_\_\_ How do  
you justify that UNIX is better than Windows operating system?

**Question No: 22 ( Marks: 5 )**

\_\_\_\_\_ What is  
the difference between checkboxes and radio button?

**Question No: 23 ( Marks: 5 )**

\_\_\_\_\_ Draw  
flowchart to find the sum and average of three numbers

**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**

\_\_\_\_\_ 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**

---

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: 4 ( Marks: 1 ) - Please choose one**

---

A computer program that facilitates the communication between the computer and a peripheral device is called\_\_\_\_\_

► Operating system

► **Utilities**

► Language Translator

► Device Drives

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

---

AutoCAD falls in the category of \_\_\_\_\_

► Engineering Applications

► **Graphics Applications**

► Scientific Applications

► Business Applications

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

---

Tag used to make a Text Bold is \_\_\_\_\_

► **<BOLD></BOLD>**

▶ **<B></B>**

▶ <BODY></BODY>

▶ None of these

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

---

Which one of these is NOT an example of embedded computers?

- ▶ IMB PC
- ▶ Microwave oven
- ▶ Refrigerator
- ▶ Calculator

**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**

---

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: 11 ( Marks: 1 ) - Please choose one**

---

A set of stand alone productivity applications designed to work together known as

---

▶ **Productivity software suites**

- ▶ Compiled software
- ▶ Secure software
- ▶ Intelligent software

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

---

File handling in java script is done \_\_\_\_\_.

- ▶ In more accurate way
- ▶ In more easy way
- ▶ Both more easy and in accurate way
- ▶ Not at all

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

---

Which one of the following is a valid variable name?

- ▶ Break

► Switch

► Catch

► **None of the given**

**Question No: 14 ( 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: 15 ( Marks: 1 ) - Please choose one**

---

A	B	C	D
4	ABC003	65	=c4=c4

Expression format in cell D4 is NOT correct.

► True

► **False**

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

---

**User interface provided by UNIX operating system is:**

▶ **Shell / GUI**

▶ Shell Shell

▶ GUI

▶ Command line

**Question No: 17 ( Marks: 2 )**

---

**What is meant by microprocessor's Instruction Set ?**

**Question No: 18 ( Marks: 2 )**

---

**What are the basic components of a program ?**

**Question No: 19 ( Marks: 2 )**

---

**Describe the function of an action attribute?**

**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 a programming language? In traditional languages what was the problem by keeping data and methods separate.**

**Question No: 22 ( Marks: 5 )**

---

**(a) Write down two positive features of client-side scripting.**

**(b) Discuss two deficiencies of JavaScript.**

**Question No: 23 ( Marks: 5 )**

---

Write an HTML COde for the following Output on browser:

- ☒ Male
- ☐ Female

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