

Mid Term Papers

Fall 2009 (Session 03)

CS101

(Group is not responsible for any solved content)

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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.

- ▶ Tool
- ▶ Component
- ▶ Device
- ▶ **None of the given choices**

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

- ▶ 2
- ▶ 8
- ▶ 12
- ▶ **16**

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>`

- ▶ `<TC>...</TC>`
- ▶ `<TR>...</TR>`
- ▶ `<TD>...</TD>`
- ▶ `<NC>...</NC>`

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 ?

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
- ▶ Web Browser
- ▶ **Windows XP**
- ▶ MS Excel

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 _____ **2** _____ 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 their 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 designer 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