

MIDTERM EXAMINATION  
CS101- Introduction to Computing (Session - 2)

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

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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**

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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**

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Operating System talks to and manages devices through

- ▶ Loader
- ▶ File Manager
- ▶ Memory Manager
- ▶ Device Driver

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

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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**

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

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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**

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Which one is correct?

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

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

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The weaknesses of the computer are:

- ▶ Pattern recognition & Storage
- ▶ Speed & Innovative ideas
- ▶ Pattern recognition & Innovative ideas
- ▶ Speed & Storage

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

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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>
- ▶ <HEAD> </END>
- ▶ <HEAD> <\HEAD>

**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**

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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 2008**  
**CS101- Introduction to Computing (Session - 2)**

**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**

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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**

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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
- ▶ **bbgcolor**
- ▶ 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 the 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.

- ▶ 1
- ▶ 2
- ▶ 3
- ▶ 4

**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:**

VECTOR GRAPHICS	BIT MAPPED IMAGES
1. Treat everything as an object	1. Treats everything as a bit map.
2. Is resolution independent	2. Resolution dependent
3. Relatively small size	3. Large files
4. Example: Corel Draw	4. Example: Microsoft Paint

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

Write differences between Shareware and trail ware software.

**ANSWER:**

<b>SHAREWARE</b>	<b>TRIALWARE</b>
<ol style="list-style-type: none"><li>1. These are shared freely.</li><li>2. It is given without payment ahead of time.</li></ol>	<ol style="list-style-type: none"><li>1. Software is offered for a trial period.</li><li>2. When the period is expired it is no more in use.</li></ol>

**MIDTERM EXAMINATION**

**Spring 2009**

**CS101- Introduction to Computing (Session - 6)**

**Time: 60 min**

**Marks: 43**

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

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Cray-1 was first commercial \_\_\_\_\_ computer

▶ **Super**

- ▶ Mini
- ▶ Micro
- ▶ Personal

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

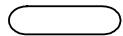
---

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
- ▶ **Word Processor Software**
- ▶ Presentation Software
- ▶ Database 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.

- ▶ 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 \_\_\_\_\_.

- ▶ Behaviors
- ▶ Methods
- ▶ Properties
- ▶ **Objects**

---

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

What is the key feature of batch programs?

---

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

Name two languages which are used for client side scripting?

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

**What is the purpose of MODEM ?**

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

What is Home Page of a web site?

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

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

---

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

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