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
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 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:

SHAREWARE	TRIALWARE
1. These are shared freely.	1. Software is offered for a trial period.
2. It is given without payment ahead of time.	2. When the period is expired it is no more in use.