J15 EDUCATIONAL CONSULTS

MOTTO: BRINGING KNOWLEDGE TO YOUR DOORSTEP

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CIT104:INTRODUCTION TO COMPUTER SCIENCE

The term _____is referred to facts about a person, object or place **Data**

_____Is referred to as processed data or a meaningful statement **Information**

The ____of data processing involves the use of chalk, wall, pen pencil and the like. **manual method**

The _____method of data processing involves the use of machines such as typewriter, roneo machines, adding machines and the like **mechanical**

The processing unit is made up of the Arithmetic and Logic Unit (ALU), the control unit and the ____ **main memory**

First Generation Electronic Computers from _____to _____ **1937 – 1953**

___ used electronic switches, in form of vacuum tubes, instead of electromechanical relays **first generation computer**

The first general purpose programmable electronic computer was the___ **Electronic Numerical Integrator and Computer (ENIAC)**

The _____also saw the first two supercomputers designed specifically for numeric processing in scientific applications **second generation**

The ____generation brought huge gains in computational power. **Third**

_____generation used integrated circuits **Third generation**

There are basically _____types of electronic computers **Three**

_____ Represent its variable in the form of digits

Digital computer

_____computer measures rather than counts
Analog

Microcomputers also known as__
single board computers

The Mini Computers have memory capacity in the range ___
128K bytes to 256 Kbytes

The _____is the main unit of a PC **system unit**

___is used for purposes such as holding the program and its data **Random access memory(RAM)**

_____assists the CPU in its number-crunching activities **math coprocessor**

The earliest PCs were equipped with a CPU from Intel Corporation called the ___
8088

The speed of a CPU is measured in____
Megahertz

_____is also used in combination with Alternate (Alt) key to produced extended characters.
numeric keypad

When the Shift key is pressed, the capital letters on the alphanumeric keys are ___
activated

____Shifts all alphabetic characters into upper case (capital letters)
CapLock

_____can be used in combination with numeric keys to generate characters not shown on the keyboard **Alternate key**

The Numlock key activates the ____ **numeric keypad**

_____is often used in most text mode to perform block operations like mass deletion, insertion and so on. **Control key**

____cancels an operation in progress
Escape key

____used to inform the computer the end of an input or command.
Return or Enter Key

_____Is the computer component that lets you create copies of the information stored in your computer on paper

printer

____combine a magnetic roller with powdered ink called toner to transfer high-quality characters or images onto a page
LASER JET PRINTER

VGA is ____ **640x480**

SVGA is _____
800x600

____are peripheral devices used to *digitize* (convert to electronic format) artwork, photographs, text, or other items from hard copy. **Scanners**

_____ is refers to the suits of programs that facilitates the optimal use of the hardware systems and/or provide a suitable environment for the writing, editing, debugging, testing and running of User Programs
SYSTEM SOFTWARE

_____operating system is a system that allows more than one active user program (or part of user program) to be stored in main memory simultaneously
multiprogramming

____ system is a computer hardware configuration that includes more than one independent processing unit **multiprocessing**

___operating system is one that appears to its users as a traditional uniprocessor system, even though it is actually composed of multiple processors **distributed**

A ____is the unit of work in a system
Process

____is a large array of words or bytes, each with its own address. Interaction is achieved through a sequence of reads or writes of specific memory address
Memory

____is a collection of related information defined by its creator. Commonly, files represent programs (both source and object forms) and data **file**

____refers to a mechanism for controlling the access of programs, processes, or users to the resources defined by a computer controls to be imposed, together with some means of enforcement **Protection**

An ___is a computer program that accepts a source program in assembly language program reads and translates the entire program into an equivalent program in machine language called the object program or object code.

Assembler

____is a program that accepts program fin a source language, reads, translates and executes it, line by lone into machine language **Interpreter**

____is a computer program that accepts a source program in one high-level language, reads and translates the entire user's program into an equivalent program in machine language, called the object program or object code **Compiler**

The stages in compilation include,____
Lexical analysis, Syntax analysis, Semantic analysis, Code generation

___ is a set of commonly used programs in data processing departments also called service or general-purpose programs **utility software**

____ covers data transfer from any medium to another, making an exact copy or simultaneously editing and validating **file conversion**

___makes an exact copy of a file from one medium to another or from an area of a medium to another area of the same medium **file copy**

____ include programs to clear areas of storage, writing file labels and updating common data **housekeeping operation**

____is used to create, edit, save and print reports.
Word Processor

_____ are programs or packages that perform a variety of different processing operations using data that is compatible with whatever operation is being carried out. **Integrated Packages**

____ are packages that enable you to bring out images, diagrams and pictures.
Graphic packages

___ is software for designing, setting up and subsequently managing a database
database package

____ are packages that can be used to solve statistical problems, e.g. Stat graphical, SPSS (Statistical Packages forSocial Scientists).
Statistical package

____ are packages that can be used to produce books and documents in standard form
desktop publishing

___ are packages that contain a lot of games for children and adults
game packages there _____basic types of instruction
four(input/output,logic,arithmetic and branching)
_____directs the computer to accept data from a specific input device and store it in a specific location in the store **input instruction**

___cause the computer to alter the sequence of execution of instruction within the program
Branch instructions

There are __basic types of branch instructions
Two(conditional and unconditional)

A ____program allows the programmer to take advantage of all the features and capabilities of the computer system for which it was designed **machine language**

In assembly language, the operation code is expressed as a combination of letters rather than binary numbers, sometimes called __ **mnemonics.**

There _____stages of computer programming
8

___is a graphical representation of the major steps of work in process **Flowchart**

___is a set of rules for carrying out calculation either by hand or a machine.
Algorithm

_____is a program design aid that serves the function of a flowchart in expressing the detailed logic of a program **Pseudocode**

____are used to analyze a problem **Decision tables**

___is an opening title screen that appears when your application first begins. **Splash screen**

____is a dialog box that asks for the user's ID and password as a part of application security that you can add **Login dialog**

____is tabbed blank dialog box from which your users can specify attributes that you set up for the application
Options dialog

___is a dialog box that appears when your users select Help, About from the application menu **About box**

the basic features of the ___is that enables user to select the operations to be performed through menus with the aid of the mouse **Graphical User Interface (GUI)**

One challenge of the Web-based applications relates to privacy and ..... of personal data stored as an ASP **Security**

... has both internal and external storage facilities for holding data and instructions
Computer

Computing is fast becoming .....
Ubiquitous

The most commonly used method of protecting against and detecting viruses is to purchase a third party application designed to ..... for all types of viruses **Scan**

... can infect any files however usually attack .com, .exe, .sys, .bin, .pif or any data files **Viruses**

Mans advancement in ..... technology has led to the development of the popular computer controlled electronic mail service which provides a more effective and efficient method of disseminating information to users in a computer network environment
Information

The computer is used to find solution to very complex mathematical and statistical computations at incredible ..... and accuracy </QUESTION **speed**

... forecasting has now become a daily activity to which the computer has proved very useful in providing information on the kind of weather we are likely to expect over a period of time
Weather

Desktop publishers use computers to format and create ..... material **publication-ready**

CAD stands for
Computer Aided Design

The routine and periodic preparation of customers utility bills particularly those based on meter readings for such utility services as water, electricity, telephone, gas, demands accuracy and speed in which the ..... has proved very effective and efficient
Computer

Tactical support systems deal with ..... and middle level management decisions
short-run

The computer is used as a tool by auditors to report accurately on the transaction register which constitutes the most crucial aspect in the audit ..... **Trail**

. have been applied in virtually all fields of human endeavour
Computers

Microsoft ..... application software can be used for preparing slide shows, speeches, seminars, workshop, lectures etc

PowerPoint

A robot is .....
a computer-controlled device that can physically manipulate its surroundings

Apart from the use of computer as an ..... aid, it is also used in the execution of routine and administrative tasks such as the keeping of academic and administrative records on admissions, examinations, staffing and other routine functions **Instructional**

... has become a universal tool of any modern man (or woman)
Computer

The Toolbox window does not contain any ..... tools **menu-creation**

You can generate menus for your applications using the application .....
Wizard

____section of the Decision table contains the different combination of the conditions
Condition entry

In Visual Basic, a form can hold many .....
Controls

There are ..... packages specially written to prevent, detect and clean viruses **antivirus**

Which of these is not part of Visual Basic toolbars?
Debug

In Visual Basic, a ..... is a collection of files that make up an application **Project**

Computer ..... are destructive programs attached to Spam
Viruses

___ section of the Decision table contains a list of all possible conditions which could apply in a particular problem. **Condition stub**

Which of the following is not true of an algorithm? **none of the options**

A(n) ..... is a graphical representation of the major steps of work in a process
Flowchart

Decision tables have standardized format and comprise of ____ sections **Four**

A method of testing a program for correctness includes: Manual .....
walk..through

The purpose of testing is to determine whether a program consistently produces ..... results
Expected

After a program is coded, it is converted into machine ..... form. **Sensible**

One of these is not an essential ingredient for writing good programs **none of the options**

The Code of a program must be well laid out and explained with .....
Comments

In Visual Basic, ___ is an opening title screen that appears when your application first begins.
Splash screen

_.. program algorithm can be expressed as English-language statements.
Data dictionary

In assembly language, the operation code is expressed as a combination of letters rather than binary numbers, sometimes called …... **Mnemonics**

____ serves the function of a flowchart in expressing the detailed logic of a program.
Pseudocode

Visual Basic has a total of ___ toolbars
Four

A Word Processor is used to create, ..., save and print reports **Edit**

For each high..level language except Basic, there is a different .....

Compiler

The suites of languages that translate other languages to ..... language are called Language Translator
Machine

For convenient use of the computer system, the operating system provides a uniform ..... view of information storage **Logical**

One of the purposes of an operating system is to ..... the peculiarities of specific hardware devices from the user **Hide**

A ..... system is a computer hardware configuration that includes more than one independent processing unit
Multiprocessing

The third class of operating systems, real time operating systems, are designed to service those applications where ..... time is of the essence in order to prevent error, misrepresentation or even disaster **Response**

the usefulness of the computer depends on the ..... that are written to manipulate
programs

The auxiliary equipment as their name suggests are not ..... but are necessary in a computing environment in order to ensure proper functioning and smooth running of computing activities
Computers

Scanners are peripheral devices used to ..... (convert to electronic format) artwork, photographs, text, or other items from hard copy **Digitize**

The ..... key is actually used to inform the computer the end of an input or command
Return

A Computer keyboard is ..... to the conventional typewriter keyboard **Identical**

A math ....., present in some PCs, assists the CPU in its number..crunching activities
Coprocessor

The electronic components in your PC generate a lot of ...
Heat

The ..... unit is the main unit of a PC
System

Microcomputers, also known as ..... board computers, are the cheapest class of computers **Single**

___ computers are computers designed to handle wide range of problems
General purpose

A special purpose computer is one that is designed to solve a ..... class of problems
Restricted

Analog Computer ..... rather than counts **Measures**

Digital computer represents its variable in the form of ...

Digits

Computer ___ **cannot think**

GUI stands for __ **Graphical user interface**

What is a window? **a rectangular box that contains icons or data (information)**

What is a menu? **a list of items**

A small picture that represents either a program or a shortcut is ??. **an icon**

What is a directory? **Folder** What is a mouse used for? **to give instructions to a computer**

What do you understand by booting? **switching on the system**

Computer machinery is the ___ **Hardware**

FORTRAN is a __ **High level language** What is an operating system? **the software responsible for controlling the allocation and usage of hardware resources** What is a program? **a set of instructions that tells the computer what to do**

What do we call omputer programs used on a computer? **Software**

CPU is ___ **Central Processing Unit** Terminal is an ___ **input/output device**

ROM stands for ____ **Read Only Memory**

What is a PC? **low-cost computer usually desktop** What is a computer? **an electronic machine that can process and store data**

Keyboard is an ___ **input device**

Computer stores _____ **both data and instructions**

You can generate menus for your applications using the application **wizard**

GUI stands for___User Interface

Graphical

A____is a rectangular box that contains icons or data **information**

_____is a small picture that represents either a program or a shortcut **icon**

A folder is a__
Directory

A mouse used to give ____to a computer
Instruction

Switching on the computer to perform the initial house keeping operation is called__
booting

Computer is the_____part of the computer system
Hardware

An_____is the software responsible for controlling the allocation and usage of hardware resources **operating system**

A___is a set of instructions that tells the computer what to do **program**

Collection of omputer programs is called___ **software**

CPU is_____unit + ALU **Control**

_____is an input/output device **Terminal**

ROM is an_____memory
Internal

A PC is a low-cost computer usually____ **desktop**

Mouse is an____ **input**
device

A Word Processor is used To_____edit, save and print reports **Create**

For each high-level language except___there is a different compiler **basic**

The suites of languages that translate other languages to machine language are called Language_____
Translator

For convenient use of the computer system, the____system provides a uniform logical view of information storage **operating**

One of the purposes of an____is to hide the peculiarities of specific hardware devices from the user **operating ystem**

A multiprocessing system is a computer hardware configuration that includes more than____independent processing unit **one**

The third class of operating Systems_____time operating systems, are designed to service those applications where response time is of the essence in order to prevent error, misrepresentation or even disaster **real**

The usefulness of the____depends on the programs that are written to manipulate it **computer** the____equipment as their name suggests are not computers but are necessary in a computing environment in order to ensure proper functioning and smooth running of computing activities **auxiliary**

_____are peripheral devices used to digitize (convert to electronic format) artwork, photographs, text, or other items from hard copy **scanners**

The return key is actually used to inform the computer the_____of an input or command **end**

A Computer keyboard is identical to the conventional_____keyboard **typewriter** a_____coprocessor , present in some PCs, assists the CPU in its number-crunching activities **math** a_____components in your PC generate a lot of heat **electronic**

The main unit of a PC is the_____unit **System**

_____also known as single board computers, are the cheapest class of **computers Microcomputers**

General-purpose computers are computers designed to handle wide range of_____ **problems**

____Computer measures rather than counts **analog**

_____computer represents its variable in the form of digits **digitial**

One challenge of the Webbased applications relates to privacy and_____of personal data stored as an ASP **security**

_____has both internal and external storage facilities for holding data and instructions **Computer**

Computing is fast becoming___ **Ubiquitous**

The most commonly used method of protecting against and detecting viruses is to purchase a third party application designed to___for all types of viruses **scan**

____can infect any files however usually attack .com, .exe, .sys, .bin, .pif or any data Files **Viruses**

Man's advancement in_____technology has led to the development of the popular computer

controlled electronic mail service which provides a more effective and efficient method of disseminating information to users in a computer network environment **information**

The computer is used to find solution to very complex mathematical and statistical computations at incredible _____and accuracy **Speed**

_____forecasting has now become a daily activity to which the computer has proved very useful in providing information on the kind of weather we are likely to expect over a period of time **weather**

Tactical support systems deal with___and middle level management decisions **short-run**

The computer is used as a tool by auditors to report accurately on the transaction register which constitutes the most crucial aspect in the audit___ **trail**

_____have been applied in virtually all fields of human endeavour **computer**

Microsoft____application software can be used for preparing slide shows, speeches, seminars, workshop, lectures etc **Microsoft**

_____has become a universal tool of any modern man (or woman) **computer**

The Toolbox window does not contain any____tools **menu-creation**

Computer stores_____ **both data and instructions**

Computer _____ are destructive programs attached to Spam **viruses**

In Visual Basic, a form can hold many _____ **controls**

There are _____ packages specially written to prevent, detect and clean viruses **antivirus**

The Toolbox window differs from the _____ **toolbar**

In Visual Basic, a _____ is a collection of files that make up an application **project**

_____ is a program design aid that serves the function of a flowchart in expressing the detailed logic of a program **Code**

Before a computer can be put to any meaningful use, the user must be able to come out with or define a unit sequence of operations or activities (logically ordered) which gives an unambiguous method of solving a problem or finding out that no solution exists. Such a set of operations is known as an _____ **algorithm**

_____ are drawn with the help of symbols **Flowcharts**

Program _____ provides information as to the use of the program to those unfamiliar with it **documentation**

A method of testing a program for correctness includes: Manual_____ **walk-through**

The purpose of testing is to determine whether a program consistently produces _____ or expected results **ideal**

After the program is coded,it is converted into machine _____ form or machine Language
Sensible

The first stage of programming requires a good understand of the _____
Problem

Very high level language is _____
4GL

The --- high level language generally described as the
Fourth Generation

Programming languages are the primary means of human-computer_____
Communication

A Word Processor is used to create _____save and print reports **edit**

Computer programming is both an art and a _____
Science

The suites of languages that translate other languages to _____ language are called Language Translator
Machine

For convenient use of the computer system, the operating system provides a uniform _____ view of information storage **logical**

Application software is a set of programs designed to solve problems of a _____ nature
Specific

A _____system is a computer hardware configuration that includes more than one independent processing unit **multiprocessing**

The third class of operating systems, real time operating systems, are designed to service those **applications** where_____time is of the essence in order to prevent error, misrepresentation or even disaster **response**

For each high-level language, there are _____compilers
Different

The auxiliary equipment as their name suggests are not _____ but are necessary in a computing environment in order to ensure proper functioning and smooth running of computing activities **computers**

Scanners are peripheral devices used to _____(convert to
electronic format) artwork, photographs, text, or other items from hard copy **digitize**

UPS protects the computing equipment and the software from _____ outage during computing session **power**

A Computer keyboard is _____ to the conventional typewriter keyboard **identical**

A math _____ present in some PCs, assists the CPU in its numbercrunching Activities Coprocessor

A Computer is an _____Machine **Electronic**

The _____ unit is themain unit of a PC **system**

Microcomputers, also known as _____ board computers, are the cheapest class of computers **single**

The printed material is often called _____ copy **hard**

The effects of the functions keys are _____ package dependent **software**

The intelligent computer keyboard has _____major divisions
Four

The system unit is the _____ unit of a PC
Main

____-is one of the greatest threats to computers and computer applications
Computer virus

The Toolbox window does not contain any ..... tools **menu-creation**

Apart from the use of computer as an ..... aid, it is also used in the execution of routine and administrative tasks such as the keeping of academic and administrative records on admissions, examinations, staffing and other routine functions **instructional**

Microsoft ..... application software can be used for preparing slide shows, speeches, seminars, workshop, lectures etc **PowerPoint**

A robot is .....
a computer-controlled device that can physically manipulate its surroundings

.. have been applied in virtually all fields of human endeavour
Computers

In visual Basic Environment which of the following kinds of objects can appear in the Project window ____ **Class modules**

In Visual Basic, a ..... is a collection of files that make up an application **project**

Which of the following is not true of an algorithm? **none of the options**

Decision tables have standardized format and comprise of a__ sections **four**

A method of testing a program for correctness includes: Manual ..... **walk..through**

The purpose of testing is to determine whether a program consistently produces ..... results **expected**

After a program is coded, it is converted into machine ..... form. **sensible**