

CCA - 101 - Fundamentals of IT & Programming

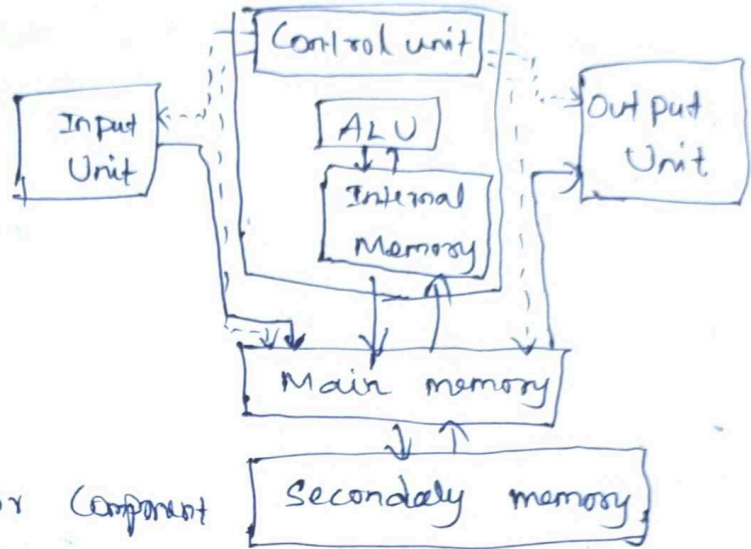
Assignment - 1

1. What are the four fundamental parts of a computer with a diagram?

The computer is an electric device. It has

4 main parts:

- i. CPU Unit
- ii. Memory Unit
- iii. Input Unit
- iv. Output Unit



i. CPU Unit

CPU is the major component

which consists and executes software instructions. It also performs the major components and operations of all other components such as memory, input, output unit.

ii. Memory Unit

Memory is used to store data. There are 2 types of memory. i.e. RAM and ROM. The primary and secondary memory.

iii. Input Unit

It is used to feed the input to the computer. Keyboard, mouse and scanner are the input devices.

iv. Output devices or unit:

It is used to produce the output.

Printer and monitor are the output devices.

Q2. Discuss about classifications of computer based on size?

1. Super Computer :

The most efficient computer in terms of processing data and performance are super computers. These computers are used commonly for research purpose.

2. Main frame Computers :

They have the ability to store and analyse lot of data. To maintain information on their computers.

3. Mini Computers :

It is used by small business and industries. These computers frequently used by several users.

4. Micro Computers :

It is called Personal Computer. It is a type of computer used by large people in the world.

Q3. Generations of computers

There are five generations of computers available.

1. First generation computers

It is a very expensive computer and very large size. It ~~is~~ ~~do~~ basic calculator functions only. It uses vacuum tubes.

2. Second generation Computers

This generation computers are used transistors to perform its operations.

3. Third generation Computers

It uses the ~~IC~~ ^{micro processors} circuits to perform its operations. The size of the computer reduced and performs well.

4. Fourth generation Computers

It used the IC's to perform its operation. It has much store and performance. Keyboard and mouse used in this generation.

5. Fifth generation Computers :

The fifth generation computer used artificial intelligence to perform its operations. This work very fast.

Q4 Difference between volatile and non volatile

Volatile

Non-volatile

1. It is a temporary memory

It is a permanent memory

2. Example is RAM

Example is Hard disk

3. Power is in off mode

data stored permanently

data are ~~are~~ erased

even power is in off

immediately.

Condition.

Q. 5. Distinguish System Software, Application Software and Open Source Software?

System Softwares:

It is the software used in the hardware systems like operation system and Drivers.

Application Softwares:

It is software used in the computer that directly interact with the user. For example MS office, Photoshop etc.

Photoshop etc.

Open Source Software:

Open source software which means it can be modified by any one.

Q. 6 Create MS-Word to insert paragraph?

- a.
- i. Open MS-Word application in windows menu
 - ii. Click file menu and create new file.
 - iii. Write the details about my self and save the document with name "yourself ^)

- b.
- i. To change the font style using font option is ribbon menu
 - ii. Using grow font to increase the font size.
 - iii. We can change the color with color option
 - iv. We can highlight the text using highlighter.

Q7 Create a file in MS-Word with name ms-word

- i. Open MS-Word application from Start menu and select new document from file menu.
- ii. Write the statements below

MS-Word

MS-Word is a widely used Commercial word processor developed by Microsoft.

- Creating
- * Editing
- Saving
- * Printing any type of documents

Q8 MS-Word with equations?

- i. Open MS-Word from Start menu and click new document from file menu.
- ii. ~~Select~~ Type the equation and using Subscript and Super Script.

Q9 Text to Table

- i. Open word application
- ii. Select the highlighted text and do all Borders option from bordered.

Q 10 Insert a table?

- i. Open word application.
- ii. Select insert menu and click draw table or create table option.
- iii. Set number of rows and columns.

Q 11 Create ms-Excel

	A	B	C
1	Roll no	Name	Marks
2	1	n1	60
3	2	n2	70
4	3	n3	50

Save the file name with book1.

Q 12 Calculate the formula?

$$\text{Sum of (2; C4)} = 270$$

$$\text{Average (1; 1)} = 146.6$$

$$\text{Highest mark (1)} = 70$$

$$\text{Minimum mark (1)} = 50$$

Q 13 i. Modify column width using format cell option and choose column width.

ii. modify row height \rightarrow format cell \rightarrow row height

iii. Using delete option delete the rows & columns

Q13 i. Absolute reference using F4 short cut to fix the cell reference

ii. Using cell address to call the value

Q14 a. Power point?

Many tools are available to customize the power point. These are edit, layout, effects tools, Design tool, video tool, Audio tool.

b. Open blank presentation

ii. Same as lab1.ppt

iii. Title "NEC College"

iv. "Salary"

v. Add new slide

Q15

i. Title of the document with bullet list

ii. Insert Excel sheet using spread sheet option

iii. Clip art and text

iv. Apply slide effect

Q16

Machine language

high level language

i. Machine readable language

Human readable language

ii. Binary & symbols

alphanumerics & symbols

Q17 Data types in C programming

- i. Int
- ii. Float
- iii. Char
- iv. Long
- v. Double

Q18 Expressions

a = 33 b = 17.5 c = 16

Q19 Syntax

```

if ( condition )      for ( variable : condition : increment / decrement )
{
} Statement          {
}
else
{
} Statement          }

```

```

while ( Test condition )
{
}

```

```

do
{
}
while ( condition )

```

Q20 a.

OUTPUT

IMS Ghazia bad

b.

IMS Ghazia bad
IMS Ghazia bad

c.

Laureat no: 100