

### 16.What is the difference between Machine Language and High Level Language?

A **machine language** is the only language that a computer directly understands, it is usually written in zeros (0) and ones (1). A program instruction in machine language may look something like this 111010110010001 whereas, a **high-level language** is a programming language that uses English and mathematical symbols, like +, -, % and many others, in its instructions.

### 17.Discuss about different data types of C programming Language.

Data Types	Bytes	Range
unsigned long int	4	0 to 4,294,967,295
signed char	1	-128 to 127
unsigned char	1	0 to 255
float	4	1.2E-38 to 3.4E+38

### 18.Find the output of the following expressions

a) $X=20/5*2+30-5$	b) $Y=30 - (40/10+6) +10$	c) $Z= 40*2/10-2+10$
$= 4*2+25$	$=30-(10)+10$	$=40*4+10$
$= 33$	$=310$	$=170$

### 19.Describe the syntax of the following statements

- a) If – else statement

The if/else statement **executes a block of code if a specified condition is true**. If the condition is false, another block of code can be executed. The if/else statement is a part of JavaScript's "Conditional" Statements, which are used to perform different actions based on different conditions.

#### b) for loop

In programming, a **loop** is used to repeat a block of code until the specified condition is met. **C** programming has three types of **loops**:

#### c) while loop

The do/**while loop** is a variant of the **while loop**. This loop will execute the code block once, before checking if the condition is true, then it will repeat

d) do-while loop

A **do...while loop** is similar to a while **loop**, except that a **do...while loop** is guaranteed to execute at least once. Syntax.

1.What are the four fundamental parts of computer? Explain it with the help of diagram.

**Input Unit, CPU, Primary Memory, and Output Unit** are the four basic components of a computer system.

2. Discuss about the classification of computers based on size and capacity.

Computers are classified on different parameters, such as, storage capacity, processing speed and component (CPU) used in computers. Depending upon the components used and features of different computers, they are classified into four groups, **Microcomputers, Minicomputers, Mainframe computers and Supercomputers.**

3. What is the meaning of computer generation? How many Computer Generations are defined? What technologies were/are used?

**Initially, the generation term was used to distinguish between varying hardware technologies.** Nowadays, generation includes both hardware and software, which together make up an entire computer system. There are five computer generations known till date.

4.Differentiate between Volatile & Non- Volatile memories.

The volatile memory stores data and computer programs that the CPU may need in real-time, and it erases them once a user switches off the computer. Cache memory and RAM are types of Volatile memory. Non-volatile memory, on the other hand, is static. It remains in a computer even after a user switches it off.

5. Distinguish among system software, application software and open source software on the basis of their features.

**A System Software acts as an interface between the system and the application software.** The various Operating systems are the best example as it allows the user to download and work with various applications on their device. On the other hand, Application Software is designed for users.

Roll No	Name	Marks				
1	Antony	45				
2	Amala	55				
3	Arun	33				
4	Ajai	44				
5	Andrew	44				
6	Anjali	44				
7	Anbu	55				
8	Balu	44				
9	Banu	47				

## Equations

$$X_2 + Y_5 = 30$$

$$Z^3 + Q^8 = 50$$

$$A_2 + B^8 = X_2 + Y^8$$

# MS Word

**MS Word** is a widely used commercial word processor developed by Microsoft.

*MS word* is application software, which is capable of

- creating,
- editing,
- saving, and
- printing any type of document

Sandhiya	Settu
My father	Vilandai
Saravanan	Mala

### **About myself**

**Good morning sir/Madam,**

I am **Sandhiya** from Vilandai born and brought in **Tamilnadu**. My family consists of four members my father is a former and mother is a home maker and elder brother is studying. I have completed Diploma in nursing and having 2 years work experience in Dr. Mala Clinic as a Nurse. My strength is being **honest and punctual**. My goal is to get a job in Government sector. My hobbies is **drawing and painting**. That's all about me. Thank you.

Note: **Currently working in Apollo Hospital**