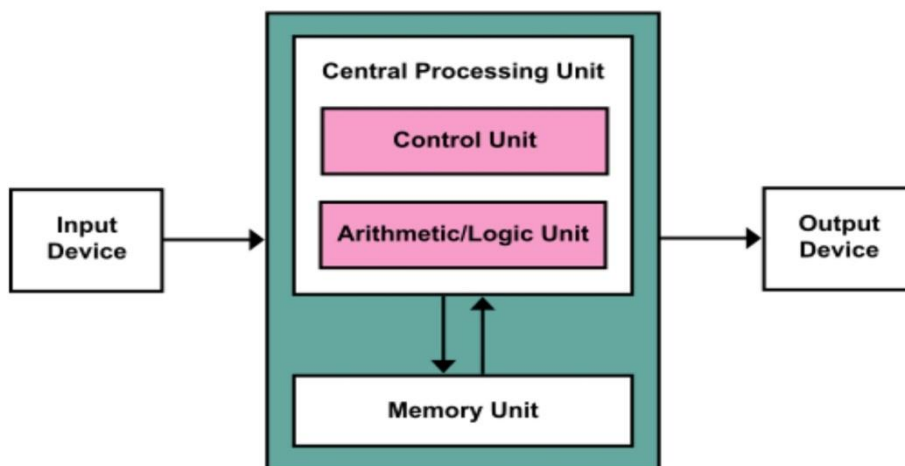# CCA-101: Fundamentals of IT & Programming

Assignment -1

Q1: What are the four fundamental parts of computer? Explain it with the help of diagram.

Q2: Discuss about the classification of computers based on size and capacity.

They are classified into four groups, **Microcomputers, Minicomputers, Mainframe computers and Supercomputers**.

Q3: 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.

Q4: Differentiate between Volatile & Non- Volatile memories.

S.NO	Volatile Memory	Non-Volatile Memory
1.	Volatile memory is the type of memory in which data is lost as it is powered-off.	Non-volatile memory is the type of memory in which data remains stored even if it is powered-off.
2.	Contents of Volatile memory is stored temporarily.	Contents of Non-volatile memory is stored permanently.
3.	It is faster than non-volatile memory.	It is slower than volatile memory.

Q5: Distinguish among system software, application software and open source software on the basis of their features.

Sr. No.	Key	System Software.	Application Software.
1	Definition	System Software is the type of software which is the interface between application software and system.	On other hand Application Software is the type of software which runs as per user request. It runs on the platform which is provide by system software.
2	Development Language	In general System software are developed in low level language	While in case of Application software high level language is used for

Sr. No.	Key	System Software.	Application Software.
		which is more compatible with the system hardware in order to interact with.	their development as they are developed as some specific purpose software.

Q6. a) Create a file in MS-word to insert a paragraph about yourself and save it with file name "yourself". Describe all steps involved in it.

It's my pleasure to introduce myself. Iam sharmila rajamohan from trichy. I live in a nuclear family with my parents and my dear elder sister an my elder brother.i love my family.

Q6 b) Write steps regarding followings

- ✓ To change the font style
- ✓ To change the font size
- ✓ To change the font color
- ✓ To highlight (in yellow) the line that reads "need to get IMS's address".

Q7. Create a file in MS-Word for the following document and save it with file name 'ms_word'. Describe all steps involved in it.

MS WORD

Ms word is a widely used commercial word processor developed my Microsoft.

Ms word is application software, is capable of

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

Q8. Create a file in MS-word for the following document and save it with file name 'equations'. Describe all steps involves in it.

Equations:

$$X_{2+Y_5}\ _{=30}$$

$$Z^3 + Q^4 = 50$$

$$A_{2+\_B}{}^8 = X_{2+Y^8}$$

Q9. Create a file in MS-word that convert existing highlight text to table as shown below and save it as file name 'text_to_table'. Describe all steps involved in it.

Select the text you want to convert.	**select the insert tab.**
Click on table commend. a dialog box appears.	**click on convert on text to table , a new dialog box appears**
Here set number of columns	**click on ok finally selected text convert in a table**

Q10. Create a file in MS-Word to insert a table in the document. Describe all steps involved in it.

SL.NO	NAME	TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL
1	SHARMI	85	90	75	85	83
2	MADHU	75	80	72	86	92
3	APARNA	80	82	75	76	80
4	JOTHI	81	78	88	90	72
5	THEJU	75	79	88	93	81

Q11. Create a following worksheet in MS-excel and save it with name 'book1'.

ROLL NO	NAME	MARKS
1	N1	60
2	N2	70
3	N3	80
4	N4	90
5	N5	40
6	M6	50
7	N7	77
8	N8	44
9	N9	88
10	N10	55

Q11. Create a following worksheet in MS-excel and save it with name 'book1'.

ROLL NO	NAME	MARKS
1	N1	60
2	N2	70
3	N3	80
4	N4	90
5	N5	40
6	M6	50
7	N7	77
8	N8	44
9	N9	88
10	N10	55
	sum	654
	average	65.4
	highest	90
	min	40

Q13 a) Describe various steps involved in the following

➤ To modify column width of worksheet

1.Open excel

2.select pagelayout tab

3.click on scale on fit

4. to change the width of worksheet

➤ To modify the row height of a worksheet

1.Open excel

2.select pagelayout tab

3.click on scale on fit

4.to change the row height

➤ To delete row and column of a worksheet

1. open excel

2.select home tab

3.click on cell tab

4. select the deleted row or column clickdelete

Q13 b) Describe following terms in the worksheet

There are two types of cell references: relative and absolute. ... **Relative references change when a formula is copied to another cell**. Absolute references, on the other hand, remain constant no matter where they are copied.

Q14. a) What tools are available to customize our PowerPoint presentation?

- Visme. Visme is a cloud-based presentation tool that allows you to create highly visual presentations to engage viewers and communicate your ideas.
- Haiku Deck. Haiku Deck is a platform that prioritizes simplicity.
- Pitcherific.
- Canva.
- SlideCamp.
- Microsoft Events.
- Powtoon.
- VideoScribe.

SHRIMATHI INDIRAGANDHI COLLEGE

SHARMILA RAJAMOHAN

MY PROFILE
NAME: R SHARMILA
AGE : 20
PLACE: TRICHY
AIM: GOOD JOB
SOUL : FAMILY & FRIEND

SL.NO	NAME	TAMIL	ENGLSIH	MATHS	SCIENCE
1	SHARMI	80	75	96	88
2	MADHU	82	80	90	77
3	ASWIN	92	98	85	60
4	THEJU	75	75	77	96
5	GOKUL	77	62	80	92

"**We are born of love; Love is our mother**." "Mother is the name for God in the lips and hearts of little children." "When you look into your mother's eyes, you know that is the purest love you can find on this earth." "A mother is she who can take the place of all others but whose place no one else can take."

Part-2

Q16. What is the difference between Machine Language and High Level Language?

Machinery language	High level language
Machine lsnguage is the sctual laguage in which a programe is stored in memory in a binary or coded format what is assembly machine langage is the language is the language understand but it is the only thing that the computer can work wityh.	In computer science a high leval programing language is a progrming language with storng abstraction from the detils of the computer.it esay to understand it is simple debug high leval language is less memory effiecty.

Q17. Discuss about different data types of C programming Language.

Language supports 2 different type of data type primary data type these are fundamental data types in c namely integer floating point.

• Character and void derived data types derived data types are nothing but primary data types but.

• Little twisted or grouped together like of the memory array.

✓ Integer
✓ Character
✓ Flow
✓ Void
✓ Boolean

Q18. Find the output of the following expressions

    a) X=20/5*2+30-5

      = 4*2+30-5

      = 5+30-5

      = 38-5

      = 33

   b) Y=30 – (40/10+6) +10

     = 30-10+10

    = 30-20

   = 10

c) Z= 40*2/10-2+10

    =80/10-2+10

   = 8-2+10

   = 6+10

   = 16

Q19. Describe the syntax of the following statements

a) If – else statement

If(Booleanexpression){/*statement(s)will execute if the Boolean expressionism true*/}else{statement(s)will execute if the Boolean expression is false*/}

b) for loop

For

 (init;condition;increment){statement(s); }

c) while loop

 − while(condition) { statement(s); }

d) do-while loop

Do{ statement(s);}while(condition);

Q20. Find the output of the following program segments

A) Output

IMS Ghaziabad 0

 IMS Ghaziabad 1

 b)

IMS Ghaziabad o

 IMS Ghaziabad 1

c)

 large number is 100