

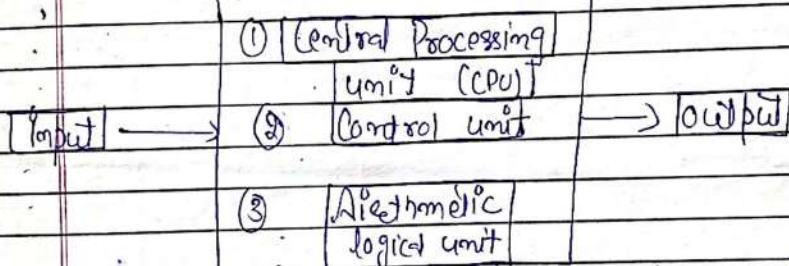
C.C.A.101: Fundamentals of IT & Programming
Assignment

Q.No1 What are the four fundamental parts of Computer? Explain it with the help of diagram?

Ans

- ① Input unit.
- ② output unit
- ③ Memory unit
- ④ Control unit

Arithmetical and logical unit.



Q.No2 Discuss about the classification of Computers based on size and capacity?

Ans Computers are classified on different parameters such as storage capacity, processing speed and component (CPU) used in Computers.

Features	Microcomputer	Minicomputer
• Primary memory	Small memory	Large memory
• word length	Small word length	Large word length
• Cost low	Low	High
• Processor	Low	High.

Ans MS word is a widely used commercial word processor developed by Microsoft. MS word is application software which is capable of

- Creating
- Editing
- Saving

Printing and type of document.

Qn6a Write steps regarding following

- < To change the font style
- < To change the font size
- < To change the font colour
- < To highlight (in yellow) the line that needs to get MS address.

Ans Change the font color.

Qn7 Create a file in MS word for the following documents and save it with file name ms word describe all steps involved in it.

Ans MS word

MS word is a widely used commercial word processor developed by Microsoft. MS word is application software which is capable

- (1) Creating (2) editing (3) saving printing any type of documents.

QNO3 What is the meaning of Computer generation?
How many computer generation are defined?
What technologies were / are used?

Ans Initially the generation term was used to distinguish between varying hardware technologies. Now days generation includes both hardware and software which together makeup and entire computer system. There are five computer generation known till date.

QNO4 Difference between Volatile and Non-Volatile memory

- Ans 1 Volatile memory is the type of memory in which data is lost as it is powered-off.
2. Non-Volatile memory is the type of memory in which data remains stored even if it is powered-off.

QNO5 Distinguish among system software, application software and user source software on the basis of their features?

Ans The main difference between system software and application software is that without system software system can not run on the other hand without application software system always runs.

QNO6 Create a file in MS word to insert a paragraph about yourself and save it with file name "yourself" Describe all step involved in it.

Qno7 click the file tab to access back stage view
choose export select change file type
select a file type then click save
as the dialog box will appear

select the location where as for the
following documents and save it
with file name (MS word) then click
save.

Qno8 Create a file in MS word for the following
documents and save it with file name
Equations Describe all steps involved in
Equation

$$x^2 + y^3 = 30$$

$$2^x + 3^y = 50$$

$$A^2 + B^8 = x^2 + y^3$$

Ans
1 Open word & select file > new
2 In the search for online templates box, enter
a search word like letters, resume or invoice or
select a category under the search box like
personal for education.

click to template to see a preview select
create.

select a file type then click save as.

In this example the table & paragraph
marks will produce a table with a.
column & 5 & 2 rows.

Enter a file name (Equation) & click
save.

Qn09 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?

Ans Select the text you want to convert.
 Select the Insert Tab
 click to table Command. A diagonal box appears
 click on Convert Text to Table a new diagonal box appears.
 here set numbers of columns.
 click on OK finally selected text convert in a table.

Select the text you want to convert
 click on Table Command appears

Select the Insert Tab.

click on table Command

Click on Convert to table

A diagonal box appears.

a new dialog box appears

Here set number of columns.

click on ok finally selected is a table

Qn10 Create a file in MS word to insert a table in documents. Describe all steps involved in it.

Ans Place the cursor where you want to insert the table.

2 Select the insert tab.

3 In Tables group click the table Command.

4 It displays different options to insert the table.

5 Select the desired option to insert the table.

Q.No11 Create a following worksheet in M. excel and save it with name 'book 1'

- Ans 1 Right click the worksheet name tab.
 2 click select Move or copy.
 3. click on the move selected sheets to book drop down menu select (new Tab)
 4 click OK your workbook open with your moved worksheet.
 5 click file -> Save in your workbook.

	Names	English	Math	Science	Hindi	Total	Per
	Names	Subjects	Marks	Marks			
1	Shoba.	66	70	70	75	281	
2	Sakshi	64	80	80	72	296	
3	Shavita.	65	90	85	78	318	
4	Palvi	67	40	95	89	291	
5	Amy	75	60	96	80	311	
6	Zeena	78	70	96	70	314	
7	Kavita.	76	75	93	80	324	
8	Tarika	84	85	73	95	337	
9	Sahil	89	95	70	83	337	
10	Nikas.	90	96	75	82	343	

Q.No12. Calculate the following things of a range (C2:C11) of data in the worksheet created in question

- > The Sum of the marks using Auto sum in a range of Cells (C2:C11)
 < Average of the marks in a range of Cells (C2:C11)
 > Highest marks in a range of Cells (C2:C11)

Minimum marks in a range of cells (2/11)

Ans

Qno 13 a) Describe various steps involved in the following.

- To modify column width of a worksheet.
- To modify the row height of a worksheet.
- To delete rows and columns of a worksheet.

Ans

An Electronic Spreadsheet is application software and worksheet is divided into rows and columns.

Qno 13 b) Describes following term in the worksheet

- (1) Absolute reference and relative reference in formula.
- (2) Cell address.

Ans

There are two types of cell references relative and absolute. Relative and absolute reference behave differently when copied and filled to other cells.

Relative reference change when a formula is copied to another cell.

Absolute references on the other hand remain constant no matter where they are copied.

Qn 14 What tools are available to customize our power point presentation?

Ans Prespector is a tool used by designer to create 3D image on power point presentation.

- Power Viewer.
- Autodesk 3DS Max
- Visual Bee power point
- Smart Art.
- Animations and Transitions
- Wordle.
- Cacao.

(b) Write the steps for the following action for creation of power point presentation

- < Open a Blank presentation
- < Save the presentation as Lab. pptx
- < Add a Title to the first slide the name of your college.
- < Type your first name and last name in the subtitle section.
- < Add a new slide which has a title Content.

Q no 16 What is the difference between machine language and high level language?

Ans Machine language: It is also known as machine level language. It can be understood easily by the machine.

High level language: It is easy to debug. It is less memory efficient i.e. it consumes more memory in comparison to low level language.

Q no 17 Discuss about different data types of C programming language.

Ans Main types: The C language provides the four basic arithmetic types: `char`, `int`, `float` and `double` and the modifiers: `signed`, `unsigned`, `short` & `long`.

Q no 18 Find the output of the following expressions.

(a) $x = 20/5 + 30/5$ b) $y = 30 - (40/10 + 6 + 10)$

(c) $z = 40/2/10 - 2 + 10$

Ans

Q18 Find the output of the following expressions:

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

Sol: $X = 20 \div 5 * 2 + 30 - 5$

$$X = 4 * 2 + 30 - 5$$

$$X = 8 + 30 - 5$$

$$X = 38 - 5$$

$$X = 33$$

5) $Y = 30 - (40/10 + 6) + 10$

Sol: $Y = 30 - (40 \div 10 + 6) + 10$

$$Y = 30 - (4 + 6) + 10$$

$$Y = 30 - 10 + 10$$

$$Y = 30$$

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

Sol: $Z = 40 * 2 \div 10 - 2 + 10$

$$Z = 40 * 5 - 2 + 10$$

$$Z = 200 - 2 + 10$$

$$Z = 210 - 2$$

$$Z = 208$$

Q. Describe the syntax of the following statements.

Q19) if condition 1 evaluates to true, the code block 1 is executed. If cond. 1 evaluates to false the cond. 2 is evaluated. If condition 2 is true, the code block 2 is executed. If cond. 2 is false the code block 2 is not executed.

Ans b) Exp. for loop need not contain any initialization, condition + incre/decrement sections. All are optional break breaks for loop.

Ans c) Syntax: while (condition) [statement] (s); here statement (s) may be a single statement or a block of statements. The condition may be any expression, + true is any non-zero value. The loop iterates while the + is true.

Ans d) The syntax is do [statement] while (condition). First the statements are executed, then the cond. is test. If it is true, then the entire loop is executed again. The loop exists when test is programmed + gives a false result.

Q 20 Find the output of the following program segment.

1. #include <stdio.h>

int main()

{
 int i;

 for (i=1; i<2, i++)

 {
 printf("IMS GHAZIABAD/n")
 }

Output

IMS GHAZIABAD.

2.

#include <stdio.h>

int main()

{

 int i=1;

 while (i<=2)

 {

 printf("IMS GHAZIABAD/n");

 i = i+1;

 }

}

Output

IMS GHAZIABAD

IMS GHAZIABAD.

3.

#include <stdio.h>

void main()

{

 int a=10, b=100

 if (a>b)

 {
 printf("largest no is %d/n", a);

 }

 else
 {
 printf("largest no is %d/n", b);
 }

Ans Output

largest no is 100