

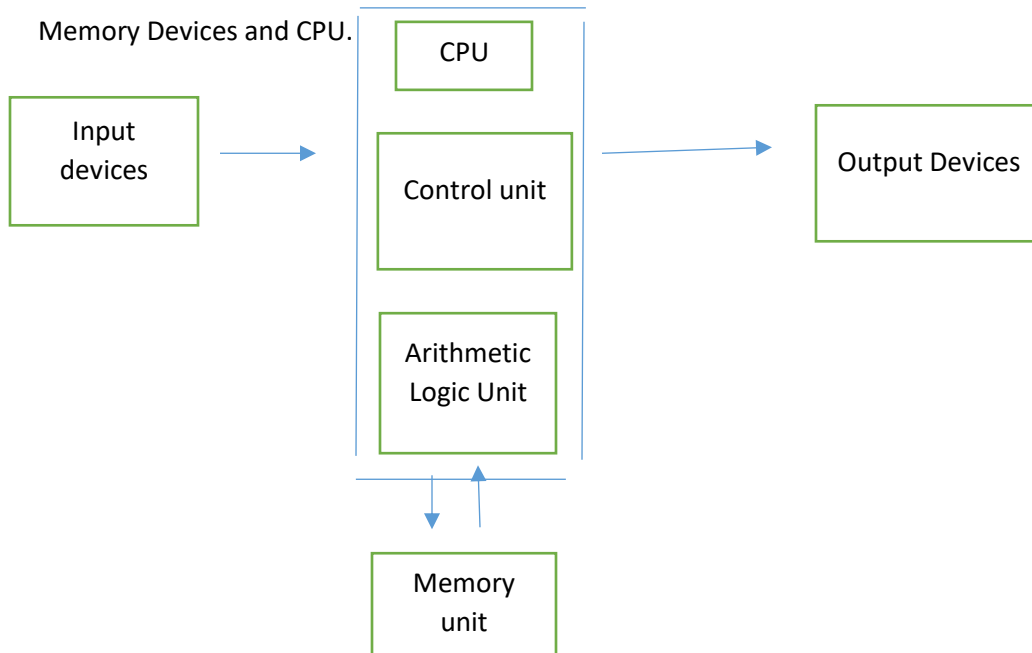
ASSIGNMENT 1 FUNDAMENTAL OF IT AND PROGRAMMING

SUBMITTED BY

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

Ans. The four fundamental part of computer are Input Devices, Output Devices, Memory Devices and CPU.



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

Ans. Base on size and capacity computer are classified into four types

- Super Computer:** The computers have thousands of processor because their extraordinary speeds , accuracy and processing power and super computer are well suited for solving highly complex problems and huge amount of calculations.
- Main Frame Computer:** These computers are very large often filling an entire room and can process many instructions per second. These computer are capable of supporting of thousand of user simultaneously. Some of the function perform by a main frame include high scheduling , Reservation and ticketing for an airlines etc.
- Minicomputer:** They are very much smaller than mainframe. Sometimes reffered to as mid range sized business as their servers.
- Microcomputer:** They are the most frequently used type of computer . It is also known as Pc. A microcomputer is the small computer system designed to be used by one person at a time.

Q3. What is the meaning of computer generation? How many computer generation are defined? What technologies are used.

Ana: Generation of computer terminology is a change in technology a computer is being used. There are four generation of computer.

- In the first computer system, vacuum tubes are used.
- Transistors are used in second generation .
- Integrated circuit technology were used in third generation.
- In the fourth generation microprocessor are used.

Q 4 Difference between volatile and non volatile memories.

Ans: Volatile Memory: It is a computer storage that only maintain its data while the device is powered . Eg. RAM (Random Access Memory). While Non volatile memory: It is a type of a computer memory that has the capability to hold saved data even if the power is turn off.

Eg. ROM(Read only memory)

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

Ans: 1 System Software: It is a type of software that is designed to run a computer hardware and application. Software like operating system, compiler, editor and driver, come under the category while.

2 Application Software: It is a software created for a specific purpose , used by end users. It can be called an application or simply an app.

Example: Word processor, accounting application , a web browser an email client , media player, etc while

3 Open source software (OSS): It is a type of computer software in which source code is released under a licences in which the copyright holder grant users right to study change and distribute the software anymore and for any purpose. The linux operating Operating system is the best known example of open source 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.

Ans: The steps involved are :

- Click the Microsoft office button
- Select the new. The new document dialog box appears
- Select blank document under the blank page and recent section . It will be highlight by default .
- We click create. A new blank document appear in the word window.
- To save the document, we click again the Microsoft office button.
- We click Ctrl+S the save as dialog box appear.
- Select the location where we want to save the document using the drop down menu.
- We enter the file name "yourself" for the document.
- Click the save button.

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 read "need to get IMS"s address".

Ans: Steps to change the font style

- Select the text or sentence we want to change
 - Left click the drop down arrow next to the font style box on the home tab. The font style appear
 - We move cursor over the various font colors. A line preview of the color will appear in the document
 - Left click the font style we want to use.
 - The font will change in the document.
- Steps to change the font size.
- Select the text or sentence we want to change
 - Left click the drop down next to the font size box to the home tab. The font size drop down menu appears

- We move cursor over the various font size
- Left click the font size we want to use
- The font size will change in the document

steps to change he font colors

- We select the text or sentence we want to change
- Left click the drop down arrow next to the font color box on the home tab. The font color menu appears
- We move cursor over the various font colors. A line preview of the color will appear in the document
- Left click the font color we want to use
- The font color will change in the document.
- To highlight (in yellow) the that reads “need to get IMS’s address”
- We select the line that reads need to get IMS’s address
- We click the highlight command and select yellow color in the font group on the home tab

Q7 Create a file in MS word for following document and save it with file name ‘ms word ‘. Describe steps involved in it.

MS WORD

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

- Creating
- Editing
- Saving
- Printing any types of document

Ans: the steps involved in it are :

- We click the Microsoft office button
- We select new. The document dialog box appears
- We select blank document under the blank recent section. It will be highlighted by default
- We click create. A new blank document appears in the word window

- We create the given document from the question
- We select the text “MS WORD” and change the font size by clicking on the font size box on the home tab
- Select the text “ms word” to change the font the font color into red by clicking on the font color menu
- We select the text “word processor” and underline it by clicking the underline command in the font group on the home tap.
- We select the text “Ms word “ to change the font style into italic by clicking italic command.
- We select the text we want to format as a list and click the bullet commands on the home tab
- We change he font color of the text “Creating and saving” into blue and red respectively by clicking on the font color command again we select the text “and” and click on strike through command
- We select the text “printing any type of document” and change the font style command
- We save the file name as “Ms word” by clicking the Microsoft office button and selectsave as
- We select the location where we want to save the document using drop down menu
- We click the save button

Q8 create a file in Ms word for the following document and save it with file name ‘eqaution’. Describe all steps involved in it.

Equations

$$X_2+Y_2=30$$

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

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

ANS: The steps are:

- We create given document in Ms word
- We select the text where we want to format and click on the subscript and superscript command on the home tab.
- We save the file name as” equation” by clicking the Microsoft office bottom and select save as.
- We select the location where we want to save the document using the drop down menu

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 involed in it.

Select the text you want to convert

Select the insert tab.

Click on table command. A dialog box appears.

Here set number of columns.

Click on Ok Finally selected text convert I a table



Select the text you want to convert.	Select the insert tab.
Click on table command. A dialog box appears.	Click on Convert text to table , a new dialog box appears
Here set number of columns	Click on Ok finally selected text convert in a table

Ans ; The steps involved are ;

- We select the existing highlight text that we want to convert.
- We select the insert tab.
- We click the table command.
- We select convert text to table from the menu. If dialog box appears.
- We click Ok. Then the text appears in a table.

Q10 Create a file in Ms word to insert a table in the document. Describe all steps involved in it.

Ans; The steps are

- We place our cursor point in the document where we want the table to appear.
- We select the insert tab.
- We click the table.
- We drag our mouse over the diagram square to select the number of columns and rows in the table.
- Left click the mouse, and the table appears in the document.
- We enter the text into the table.

Q11) Ans:

ROLL NO.	NAME	MARKS
1	n1	60
2	n2	70
3	n3	80
4	n4	90
5	n5	40
6	n6	50
7	n7	77
8	n8	44
9	n9	88
10	n10	55

Q12) Ans

ROLL NO.	NAME	MARKS
1	n1	60
2	n2	70
3	n3	80
4	n4	90
5	n5	40
6	n6	50
7	n7	77

8	n8	44
9	n9	88
10	n10	55
	total	654
	average	65.4
	highest	90
	minimum	40

Q13 a) Describe various steps involved in the following

1. To modify columns width of a worksheet
2. To modify the row height of a worksheet
3. To delete rows and columns of a work sheet

Ans;

To modify the column width of a worksheet

- 1 Identify the column width you want to resize.
- 2 However your mouse on the right boundary of that column so that you see a cross
- 3 hold down the mouse button and drag the right boundary until you reach the desired width
until you reach the desired width
- 4 And release the mouse button

To modify the row height of a worksheet

- 1 Select the row that you want to change
- 2 on the home tab in the cells group click format
- 3 under cell size click row height
- 4 in the row height box type the value that you want and then ok

To delete rows and columns of a worksheet

- 1 Right click in a table cell, row or column you want to delete
- 2 on the menu, click delete cell
- 3 to delete one cell choose shift cell up. To delete the row click delete entire row to delete the column, click delete

Q13 b) Describe the following terms in a worksheet

Absolute reference and relative reference

Cell address

Ans; Absolute reference and relative reference in formula

Relative reference change when a formula is copied to another cell. Absolute reference on the other hand remain constant no matter where they copied.

Cell address

Cell address is a combination of a column letter and a row number that identifies a cell on a worksheet

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

Ans; They are 1) Home 2) Insert 3) Design 4) transition 5) animation 6) slideshow 7) review 8) view 9) file 10) tools tab

Q14 b) Write the steps for the following action for creation of power point presentation?

Open a blank presentation

Save the presentation as lab1. Pptx

Add a title to the first slide: the name of your college

Type your first name last name in the subtitle section

Add a new slide which has a title and content

Ans; BLANK PRESENTATION: 1 Select the file tab to go to backstage view

2 Select new on the left side of the screen and then click blank presentation

3 A new presentation appears

SAVE THE PRESENTATION AS LAB1. PPTX: click the file tab to access backstage view. Locate and select the convert command. The save as dialog box appears. Select the location where you want to save the presentation enter a file name, and click save.

ADD A TITLE TO THE FIRST SLIDE: To add a title to the first slide to an existing to go to the home tab and click layout then the tittle only.

ADD A NEW SLIDE HICH HAS A TITLE AND CONTENT: In the slide thumbnail pane on the left, the slide that you want your new slide to follow. On the home tab, click new slide. Learn more about slide layout.

Q15 write steps for creation of a set of PowerPoint slide that demonstrate your skill to use the tools of power point. It should include the following thing

- Tittle slide and bullet list
- Inserting excel sheet
- Clip art and text
- Slide show effects

Ans; TITLE SLIDE AND BULLET LIST: On the view tab, click normal. Click in the text box or the place where you want to add bulleted number text. On the home tab, in the paragraph group, click bullet or numbering and begin typing your list. Press return to create a new list item

TITLE SLIDE: To add a slide title to an existing slide go to the home tab and click layout then title only. Then press your cursor in the click to add title box on the slide and type in your unique slide title.

INSERT EXCEL SHEET: In PowerPoint, on the insert tab click or tap object dialog box select create from file. Click or tab browse, and in the browse box find the excel workbook with the data you want to insert. Before you close the insert object box, select link and click ok.

CLICK ART AND TEXT: Click in the slide where you want insert a clip art file. on the insert tab in the image group click online pictures. In the insert picture dialog box enter your search terms in.

SLIDE SHOW EFFECT: Select the object or text you want to animate. Select animation choose an animation. Select effect option and choose an effect.

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

Ans; A machine language is the only language that a computer directly understand it is usually written in zeros and 1. A program instruction in machine language may look something like this 1110001100 whereas a high level language is a programming language that use English and mathematics symbol like %, - & = and many other in its instruction.

Q17 Discuss about different data types of c programming language.

Ans; Basic Data types;

DATA TYPE	RANGE	MEMORY/STORAGE
Short int(signed short int)	-32,768to32,767	Size 2 bytes
Unsigned short int	0 to 65,535	2 bytes
Long (signed short int)	-2,147,483,6,48to 2,147,483,647	4 bytes
Unsigned long	0 to 4,294,967,295	4 bytes
TYPE	DESCRIPTION	
INT	Zero, positive, and negative values without decimal. The value can be signed or unsigned. The value assigned to int is considered positive by default if it is unsigned.	
FLOAT	Stores decimals valves with single precision	
DOUBLE	It stores decimals values and double precision	
CHAR	Stores a single character	

Q18 Find out the output of the following expressions

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

Ans; a) $X=20/5*2+30=33$

$$b) = 30 - (40/10 + 6) + 10$$

$$c) Z = 40 * 2 / 10 - 2 + 10 = 16$$

Q19 Describe the syntax of the following statements

- a) If-else statement b) for loop c) while loop d) do- while loop

Ans; The syntax of an if- else statement in c programming language is

If (Boolean-expression) statement will execute else

If the Boolean expression evaluate to true, then if the block will be executed, otherwise, the else block will be executed. C programming language assume any non- zero and non- null values as true and if it is either zero or null, then it is assumed as false values.

- b) The for loop stands with a statement followed by asset of parameters inside the parenthesis. The text expression is the condition until when the loop is repeated update statement is usually the number by which the loop variable is incremented.
- c) The syntax of a while loop is C programming language is while. Here statement or a block of statement may be a single statement or block of statement. The condition may be an expression ,and true is any iterates while the condition is true.

Q20 Find the output of the following program segments

a	b	c
<pre>#Include<stdio.h> Int main() { Int; For(i=1;i<;i++) { Print("IMS Ghaziabad\n"); }]</pre>	<pre>#include<stdio.h> Int main() { Int l = 1; While(i<=2) { Print("IMS Ghazibad/n"); l=i+1: l=i+1 } }</pre>	<pre>#include<stdio.h> Void main() { Int a=10, b=100; If (a>b) Print("largest number is %d/n",a); Else Printf("largest number is %d/n",b); }</pre>

Ans a) IMS Ghaziabad.

b) IMS Ghaziabad

IMS Ghaziabad.

IMS Ghaziabad.

d) Largest number is 100