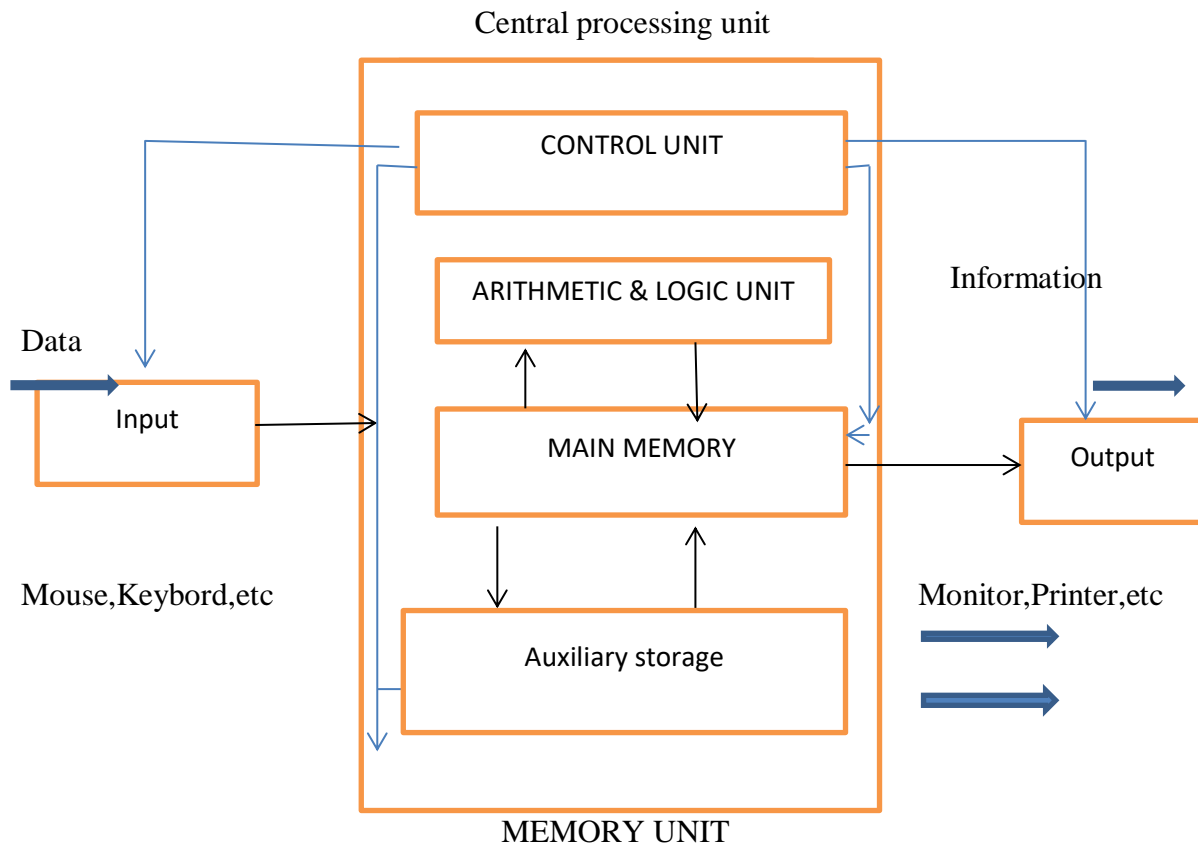


ASSIGNMENT -1: FUNDAMENTAL PARTS OF COMPUTER

1. Central Processing Unit
2. Memory Unit
3. Control Unit
4. Arithmetic And Logical Unit



2. CLASSIFICATION OF COMPUTERS :

Analog, Digital and Hybrid are the three classes of computers based on the principle of work. Super, Mainframe, Mini and Micro are the different classes of computers based on the size.

- Supercomputer,
- Mainframe computer,
- Minicomputer
- Micro computer

3. COMPUTER GENERATION

1. First generation
2. Second generation
3. Third generation
4. Fourth generation
5. Fifth generation

FIRST GENERATION: The period of first generation: 1946-1959. Vacuum tube based.

SECOND GENERATION: The period of second generation: 1959-1965. Transistor based.

THIRD GENERATION: The period of third generation: 1965-1971. Integrated circuit based.

FOURTH GENERATION: The period of fourth generation: 1971-1980. VLSI microprocessor based.

4: VOLATILE & NON –VOLATILE:

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.

5: SYSTEM SOFTWARE, APPLICATION SOFTWARE, OPEN SOURCE SOFTWARE

SYSTEM SOFTWARE:

- System software maintains the system resources and gives the path for application software to run.
- Low-level languages are used to write the system software.
- It is general-purpose software.
- Without system software, the system stops and can't run.

APPLICATION SOFTWARE:

- Application software is built for specific tasks.
- While high – level languages are used to write the application software.
- While it's a specific purpose software.
- While without application software system always runs.

OPEN – SOURCE SOFTWARE:

- Software (OSS) is a type of computer software in which source code is released under a license in which the copy right holder grants in which to study, change, and distribute the software to anyone and for any purpose. The Linux operating system (OS) is the best- known examples of open source software technology.

6: A) PARAGRAPH

File Name:yourself

Kailash satyarthi is a child – right activist. He received the noble peace prize in 2024. He was the joint winner of the noble Peace prize with Pakistani education activist Masala Yousafzai. Kailash satyarthi was born on 11 January 1954 in Vidisha district of Madhya Pradesh. He studied electrical engineering and became a lecturer. He quit teaching after a few years and started working for children's rights. He started a book bank for poor students who could not buy books. In 1980, Kailash founded Bachao Mandolin to end child labour. His organization raids factories, brick kilns, and carpet-making workshops where children work as slaves. He rescues children from bonded labour and provides them vocational training.

6:

B)

- Click file in the top left – hand corner of the screen.
- From the menu, choose save.
- A 'SAVE' dialogue box will come up.
- Once typed have typed in the name of your document, click save.

7: PARAGRAPH

File name : ms word

Cleanliness and hygiene are very important for good health and a good life. It is important to maintain a clean home but merely keeping our living space clean is not enough. We also need to keep our surroundings clean. Often we see people spitting on the road or throwing waste wherever they wish. This adds to the garbage already existing around us. If we do not take interest in protecting our environment, we will suffer immensely. Being methodical always helps. If we properly plan our work, and other things become easier to find time for everything in our today's life. We often need to multitask. Planning makes it easier to find time for everything in our day. They make the best use of time.

- Select the text you want to modify.
- Click on font size box in the font group on the home tab. The font size drop – down menu appears. Move your cursor over the various font sizes. Left – click on font size you want to use. Then it will change font size in your document.
- Select the text you want to modify. Click on increase\ decrease font size commands in the font group on the home tab. Then font size will change (increase\decrease) in the document.
- Select the text you want to modify. Click on font style box on the home tab. The font style drop – down menu appears. Move your cursor over the various font styles. Left click the font style you want to use. Then font style will change in the document.
- Select the text you want to modify. Click on the font colour box on the home tab. The font color menu appears. Move your cursor over the various font colors. Left click the font color you want to use. Then font color will change in the document.

SAVING DOCUMENT

- Launch word 2007 and click the office button
- Scroll to the first section to edit
- Scroll to another section to edit this time at a place where you would like to leave a comment for the document designer
- Press the 'ctrl – f' keys to open the “find and replace” window.

PRINT DOCUMENT

- Click the OFFICE BUTTON
- From the OFFICE BUTTEN menu, click the next to PRINT.
- In the preview and print the document submenu, click PRINT PREVIEW.
- TO return to your document without printing on the print preview command tab, click CLOSE PRINT PREVIEW.

8. Create a file in Ms – word for the following document and save it with file name 'equations'. Describe all steps involved in it.

File name: equations

$$X_2+y^5=30$$

$$Z_3+q^4=50$$

$$A_2+b^8=x_2=y^8$$

- Click FILE> SAVE ,pick or browse to a folder type a equations for document in the file name box and click save select keyboard shortcuts to apply superscript or subscript select the text or number that you want for superscript press ctrl shift and plus sign
- (+) at the same time. For subscript press ctrl and the equal sign (=) at the same time.
- Select the text or number that you want for superscript press ctrl shift and the plus sign
- (+) at the same time for subscript press ctrl and the equal sign (=) at the same time.

9. Create file in Ms Word that covert 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 that you want to convert and then click **insert> table>** convert text to table. In the convert text to table box choose the options you want under table size make sure the numbers match the numbers of columns and rows you want in the fixed column width box type or select a value.

10. Create a file in MS – WORD insert a table the document describe all steps involved in it.

- For a basic table click **insert > table** and move the cursor over the grid until you highlight the number of columns and rows you want for a larger or to customize a table select **insert > table> insert table**.

11. Create a following worksheet in MS - EXCEL and save it with name Book1.

- Click the file tab.
- Click new
- Under available templates double click blank workbook keyboard shortcut to quickly create a new blank workbook you can also press CTRL+N.

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

- 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 (C2 : C11)
- If you need to sum a column or row of numbers let excel do the math for you select a cell next to the numbers you want to sum click auto sum on the home tab press enter and your done when you click auto sum excel automatically enters a formula to sum the numbers.
- The average function in excel is used to find the arithmetic mean of specified numbers the syntax is as follows average number1,number2.
- The max function is a premade function in the highest number in a range the function ignores cells with text it will only work for cells with numbers there is another function called MIN which finds the lowest value in a range the opposite of MAX.
- Select a cell below or to the right of the numbers for which you want to find the smallest number in the home tab in the editing group click the arrow next to auto sum click min and then press enter

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

RESIZE COLUMNS

- Select a column or arrange of columns
- On the home tab select format > column width (or column height)
- Type the column width and select ok

B): Describe following terms in the worksheet

- Absolute reference and relative reference in formula
- Cell address
- Select the row or rows that you want to change on the home tab in the cells group click format under cell size click row height in the row height box type the value that you want
- Delete cells rows or columns right click and then select the appropriate delete option for example delete cells shift up delete rows or delete columns

- There are two types of cell references relative and absolute relative and absolute references behave differently when copied and filled to other cells relative references change when a formula remain constant no matter where they are copied

14: A) What tools are available to customize our power point presentation?

- Tool # 1: templates and themes
- Tool # 1: slide layouts
- Tool # 1: fonts
- Tool # 1: color themes
- Tool # 1: icons
- Tool # 1: shapes
- Tool # 1: stock photos
- Tool # 1: charts and graphs

B) write the steps for the following action for creation of power point presentation

- Open a blank presentation
- Save the presentation as lab1.pptx

Open PowerPoint in the left pane select new select an option to create a presentation from scratch select blank presentation click file save pick or brows to a folder type a name for your presentation in the file name box and click save your work as you go hit ctrl+s often there are multiple ways to add titles to your slides in PowerPoint use the layout option to create a standalone title slide or to add a title to a slide.

OUTLINE VIEW TO TITLE A SLIED

- Click view > out line view a slide without a title will have no text to the right of the slide number
- Click to the right of the slide number
- Type your new title here or update an existing slide title your text will appear on the slides as you enter it

USE THE LAYOUT OPTION TO TITLE A SLIED

- Select the slide whose layout you will change so that it can have a title
- Click home > layout
- Select title slide for a standalone title page or select title and content for a slide that contains a title and full slide text box
- Select the click to add title text box

15. INSERT A BULLETED OR NUMBERED LIST

- On the view tab click normal
- Click in the text box or placeholder where you want to add bulleted or numbered text
- On the home tab in the paragraph group click bullets or numbering and being typing your list press return to create a new list item

INSERT AND UPDATE EXCEL DATA IN POWERPOINT

- In the PowerPoint on the insert tab click or tap object
- In the insert object dialogs box select create from file
- Click or tap browse and in the browse box find the excel workbook with the data you want to insert and link to

PART – 2

16. Low – level languages are machine friendly they are thus very difficult to understand and learn by any human high level languages do not depend on machine low level languages are machine dependent and thus very difficult to understand by a normal user

17.

DATA TYPE	FORMAT SPECIFIER	TYPICAL BIT SIZE
• Unsigned char	%c	8
• Char	%c	8
• Signed char	%c	8
• Int	%d, %i	16 or 32
• Unsigned	%u	16 or 32
• Signed int	%d, %i	Same as int 16 or 32
• Short int	%hd	16
• Unsigned short int	%hu	16
• Signed short int	%hd	16
• Long int	%ld, %li	32

18.

- A. 27
- B. 17
- C. 16

19. SYNTAX

A. IF (condition)

```
{  
True  
}
```

B. for(initiation Statement; Expression; Update statement)

```
{  
  Body of the loop  
}
```

C. While(condition)

```
{  
  Statement(s)  
}
```

D. (DO)

```
{  
  Statement(s)  
} while (condition)
```

20. Output:

A. IMS GHAZIABAD

B.

IMS GHAZIABAD

IMS GHAZIABAD

C.

Largest Number is 100.