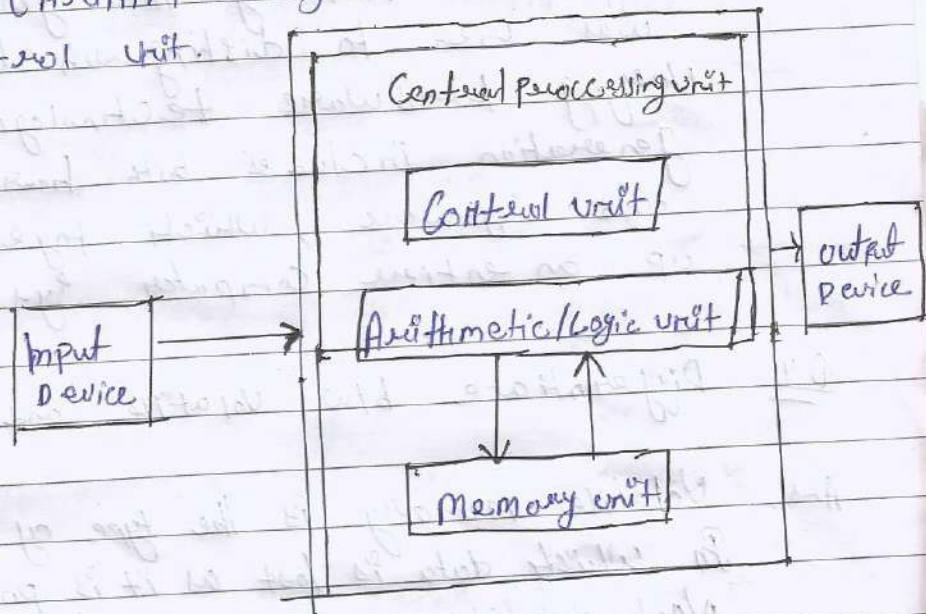


Assignment-1 Fundamental of IT and Programming

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

- Ans. CPU (Central processing unit),
- Storage unit
 - ALU (Arithmetic Logic unit)
 - Control unit.



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

Ans. Computers are classified on different parameters such as, Storage Capacity, processing speed and Component (CPU) used in computer. They are classified into four groups, microcomputers, mini computers, mainframe computer and Supercomputers.

Q3 What is the meaning of computer generation? How many computer generations are defined? What technologies were/were used?

Ans. The computer generation terminology is a change in technology a computer is/was being used. Initially, the generation term was used to distinguish between varying hardware technologies. generation includes both hardware and software, which together make up an entire computer system.

Q4 Differentiate b/w Volatile and Non-Volatile^{ns} memories.

Ans. 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. ... contents.

Q5 Distinguish among System Software, application Software and open Source Software on the basis of their features.

Ans. The System Software is designed to control, integrate, and manage the individual hardware components. application Software, is the set of

programs installed the user's system designed to perform a specific task.

Q5. Create a file in MS-Word to indent a paragraph about yourself and save it with file name yourself. Describe all steps involved in it.

- i Choose office button - new The new Document dialog box appears.
- ii The upper-left corner of the "new" create a new word document panel, click "Blank document" (figure).
- iii At the bottom of the new Document dialog box, click create.

Q6) Write steps regarding following.

To change the font style.
An The font size and style" menu, tap the font style button.

To change the font color.
On the Home tab in the font group, choose the arrow next to font color, and then select a color.

To highlight (in yellow) the line that resembles to get into add res.
Click the Home tab.

In the font group click the Text Highlight. Drag the mouse over the text you want to highlight. Click the text H/it button again to return the mouse operation.

Q7.) Create a file in MS Word given the following document and save it with file name MS word Describe all steps involved in it.

Ans. open Word. as if Word is already open, select file new

2) In the search your online templates search box, enter a search word letter, resume, or invoice or select a category under the search box like Business personal or education.

3) Click a template to see a preview.

4) Select create.

Q8) Create a file in ms-word given the following document and save it with file name Equation Describe all steps involved in it.
Equation.

$$X_2 + Y_5 = 30$$

- Click open MS Word.
- go to office button
- and click on save as, Click on it
- Now put the file name $X_2 + Y_5 = 30$,
- and click on the save button,
- and

(Q9) Create a file in MS-Word that convert existing highlight text to table as shown below and save it as file name text table. Describe all involved in it.

Ans. 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 number match the number of columns and rows you want. In the fixed column width box, type or select a value.

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

- open a blank word document
- In the top ribbon press Insert
- Click on the table button.
- Either use the diagram to select the number of columns and rows you need, or click Insert table and a dialog box will appear where you can enter the number of columns and rows.
- The blank table with rows and columns will appear on the page.

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

- Right-click the worksheet name tab.
- Click select move or copy.
- Click on the move selected sheets to book drop-down menu. Select (New book).
- Click ok. your new workbook opens with your moved worksheet.
- Click File > Save in your new workbook.

- Q12 Describe various steps involved in the following
- To modify column width of a worksheet.
 - 4.) Select the column or columns that you want to change.
 - on the Home tab in the cell group click format.
 - under cell size click column width.
 - In the column width box, type the value that you want.
 5. Click ok.

To modify the row height of a worksheet, on the Home tab, in the cell group click format, under cell size click AutoFit row height. Tip: to quickly autoFit all row height, quickly autoFit all rows on the worksheet click the Select all button and then double click the boundary below one of the row headings.

- To delete rows and columns of a worksheet, Select the cell rows or columns that you want to delete.
- Right-click and then select the appropriate delete option for example, Delete cell and shift up, Delete cell and shift left, Delete rows, or Delete columns.

Q13 Describe following terms in the worksheet.

- Absolute reference and relative reference in formula.
- 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.

$$\begin{aligned} \text{Formula} &= A1 + B2 \\ &= A2 + B2 \end{aligned}$$

- Cell address $\Rightarrow$ Is an alphanumeric value used to identify a specific cell in a spreadsheet. Each cell address contains one or more letters followed by a number.

Q4- What tools are available to customize your powerpoint presentation?

- Visme is a cloud-based presentation tool that allows you to create highly visual presentation to engage viewers, and communicate your ideas.
- pitcherry
- Canva.
- Slide camp.
- Microsoft events.
- Powtoon.
- Video Scribe.

Q15. write steps for creation of a set of powerpoint slides that demonstrate your skill to use the tools of power point. It should include the following things.

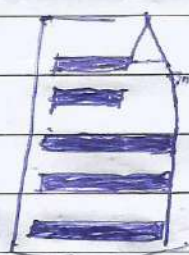
- Title slide and bullet list.

Ans. Start Microsoft powerpoint

- open arbitrary existing powerpoint presentation
- click the new slide button on the formatting toolbar.

- Click the inserted tab layout as shown in the above.

- Inserting Excel Sheet. $\Rightarrow$ To insert a new worksheet in your existing worksheet select that worksheet and then, on the Home tab in the Cells group click Insert and then click Insert Sheet. The Clip art and text.



Slide show effect. $\Rightarrow$ The effect displays in the slide pane. preview the slide show by selecting Slide Show located at the bottom of the task pane.

Q16. What is the d/b machine language and High level language.

High level language It can be easily interpreted as well as compiled in comparison to low level language.

- It can be considered as a programmer friendly language.

Machine language. OR machine code is a low-level language composed of binary digits one and zero.

Q17. Discuss about different data types of C programming language.
These are fundamental data types namely Integer (int), floating point (float), Character (char) and void.
Derived data types.

Q18. Following expressions.
 $X = 20 / 5 * 2 + 30 - 5$

$$X = \frac{20}{5} * 2 + 30 - 5$$

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

$$X = 33$$

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

$$Y = 30 - 1 \left(\frac{40}{10} + 6 \right) * 10$$

$$Y = 30 - 1 (4 + 6) * 10$$

$$Y = 30$$

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

$$Z = \frac{40 * 2}{10} - 2 + 10$$

$$Z = \frac{80}{10} - 2 + 10$$

$$Z = 16$$

Q19.) Describe the syntax of the following statement

If - else statement -

If the boolean expression evaluates to true then the if block will be executed otherwise the block will be executed.

for loop. → loop is a control flow to be executed statement for specifying iterations which allows code.

(C) while loop. → In most computer programming languages a while loop is a control flow statement that allows code