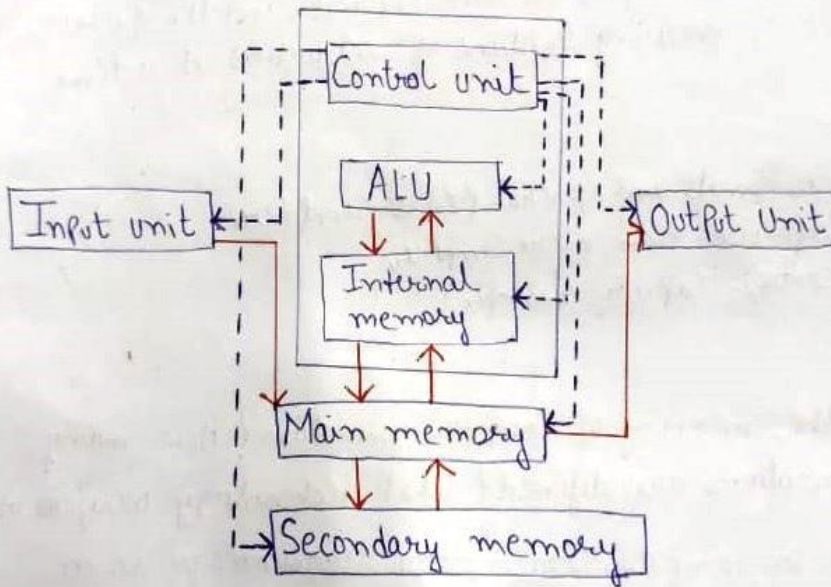


ASSIGNMENT - 1

Name - Shubham

Que 1 - What are the four fundamental parts of computer?
Explain it with the help of diagram.

Ans - The four fundamental parts of computer are the Central Processing unit, the primary memory, input unit and the output unit.



Que 2 - Discuss about the classifications of computers based on size and capacity.

Ans - Computers are mainly classified into 4 categories on the basis of size and capacity.

① Microcomputers :-

- ① They are made up of the vast majority of computers.
- ② Single users can interact with this computer at a time.
- ③ It is a small and general purpose computer.

② Mainframe Computers :-

- ⊙ Large computers are called mainframe
- ⊙ They are very expensive than micro and mini computers
- ⊙ Mainframe computers are designed for multiple users
- ⊙ They process data at very high speed, measured in millions of instructions per second

③ Super Computers :-

- ⊙ The largest computers are super computers
- ⊙ They are the most powerful, the most expensive, and the fastest
- ⊙ They are capable of processing trillions of instructions at a time

④ Mini Computers :-

- ⊙ Mini computer is small and general purpose computer
- ⊙ It is more expensive than micro computer
- ⊙ It has more storage capacity and speed

Que 3 :- What is the meaning of computer generation? How many computer generations are defined? What technology were/are used?

Ans - Generation in computer technology terminology is a change in technology as computer is/was being used. Initially the generation terms were used to distinguish between varying hardware technologies.

There are five generations of computer on basis of technology

- ⊙ First generation → 1940-1956 [vacuum tubes]
- ⊙ Second generation → 1956-1963 [transistors]
- ⊙ Third generation → 1964-1971 [integrated circuit]
- ⊙ Fourth generation → 1972-2010 [microprocessor]
- ⊙ Fifth generation → 2010 - Present [Artificial Intelligence]

Que 4 - Differentiate between volatile and Non-volatile memories

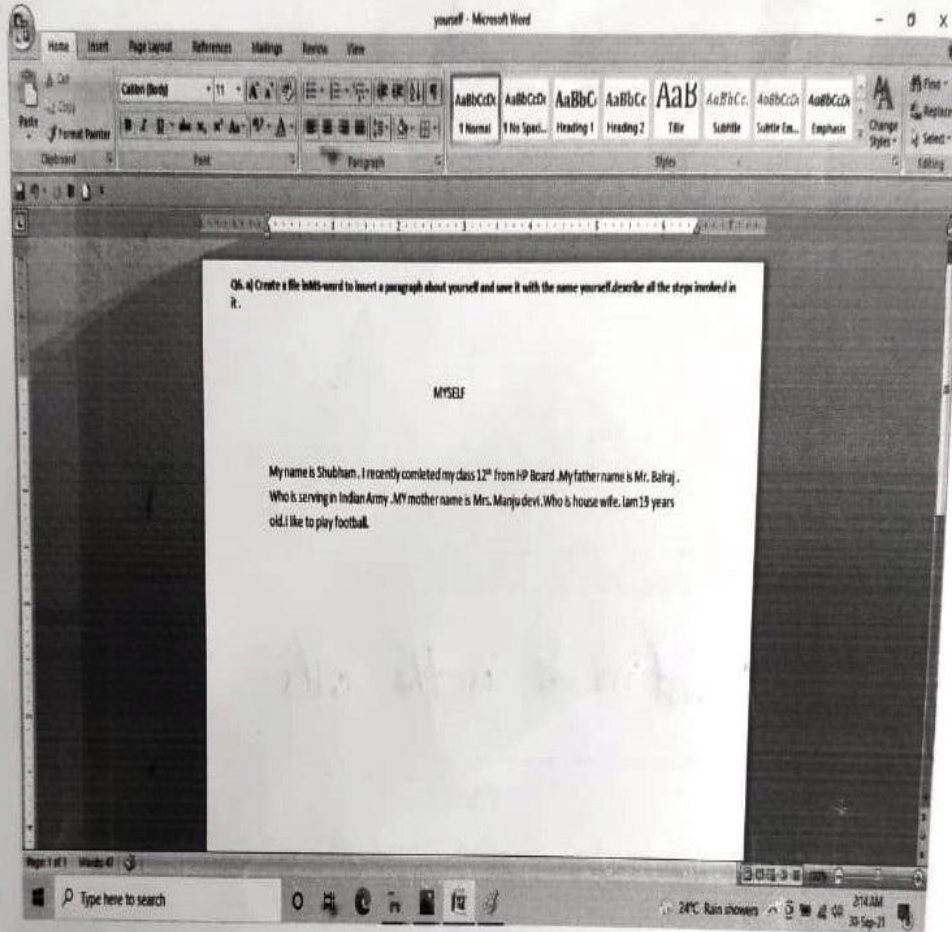
Ans -

Volatile	Non-Volatile
<ul style="list-style-type: none">① It is also referred as temporary memory② The data within the volatile memory is stored till the system is capable of, but once the system is turned off the data within the volatile memory is deleted automatically③ It is memory hardware that fetches/stores data at a very high speed④ eg - RAM (Random access memory and Cache memory)	<ul style="list-style-type: none">① It is also referred as permanent memory② It is a type of memory in which data and information is not lost within the memory even power is shut down. all such information that needs to be stored for an extended amount of time is stored in non-volatile memory③ Non-volatile memory has huge capacity/limit on system storage.④ ROM (Read only memory)

Que 5 - Distinguish among system software, application software and open source software on basis of their features.

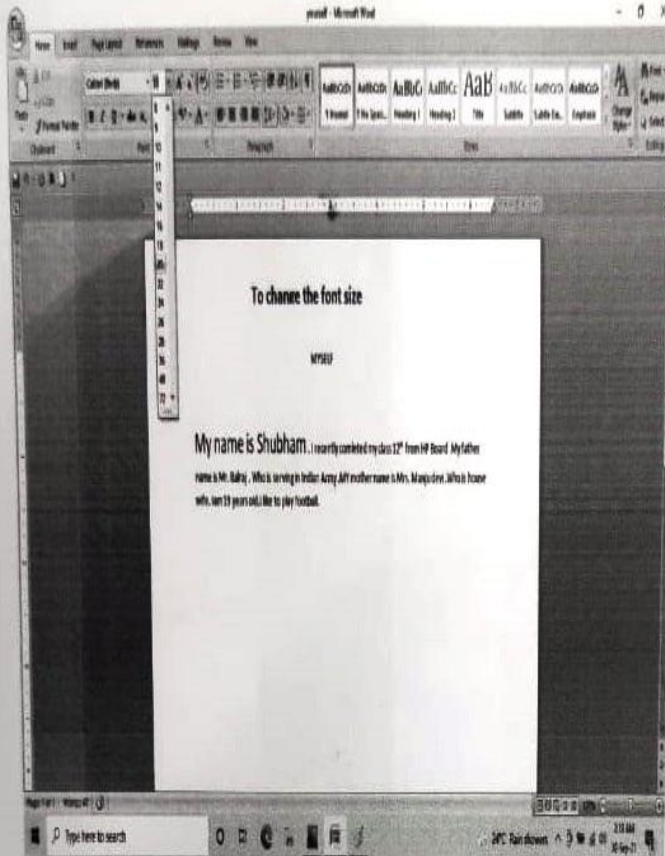
Ans - System Software :- System software is a type of computer program that is designed to run computer hardware and application programs. The system software is interface between the hardware and computer applications.
eg - The operating system is best known example of system software.

Q6. (a) Create a file MS word to insert a paragraph ?

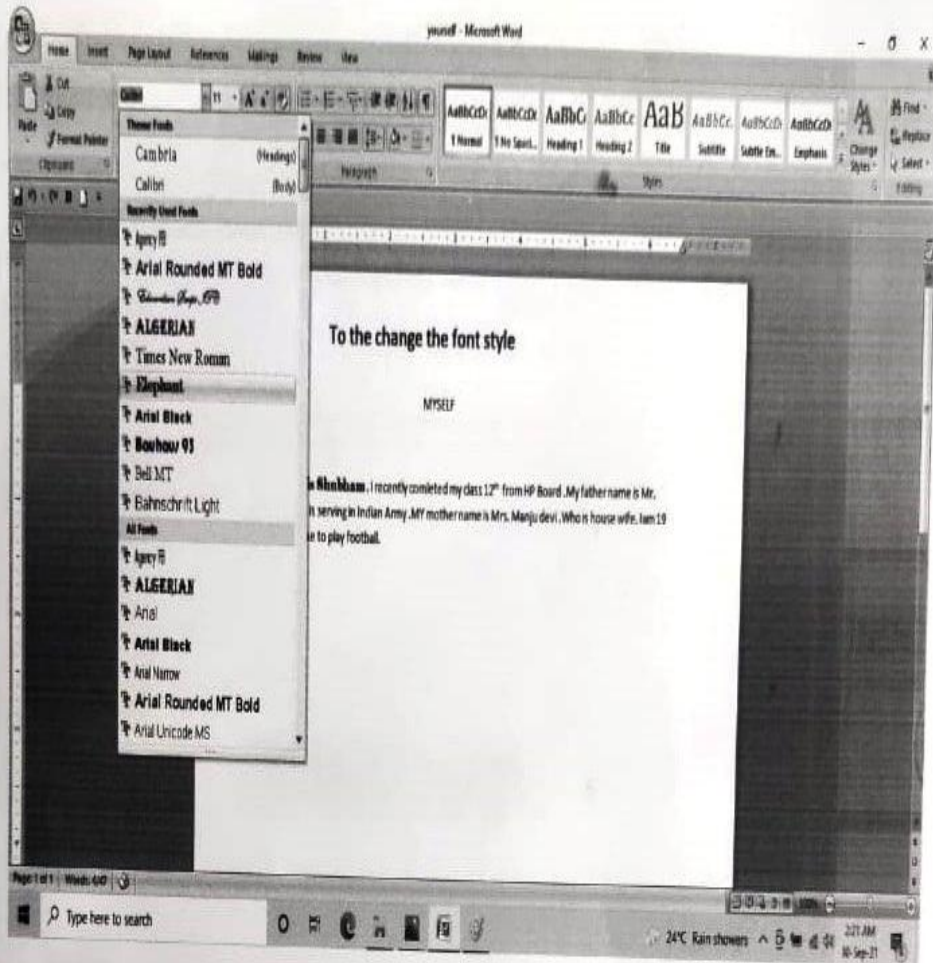


Q6.6

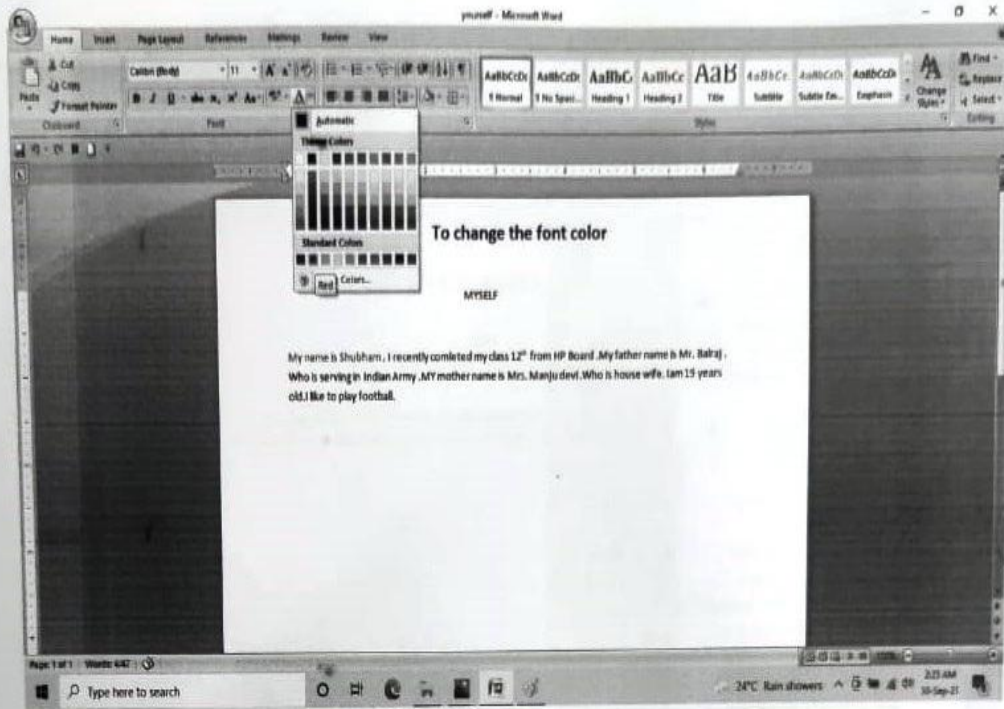
To change the font size.



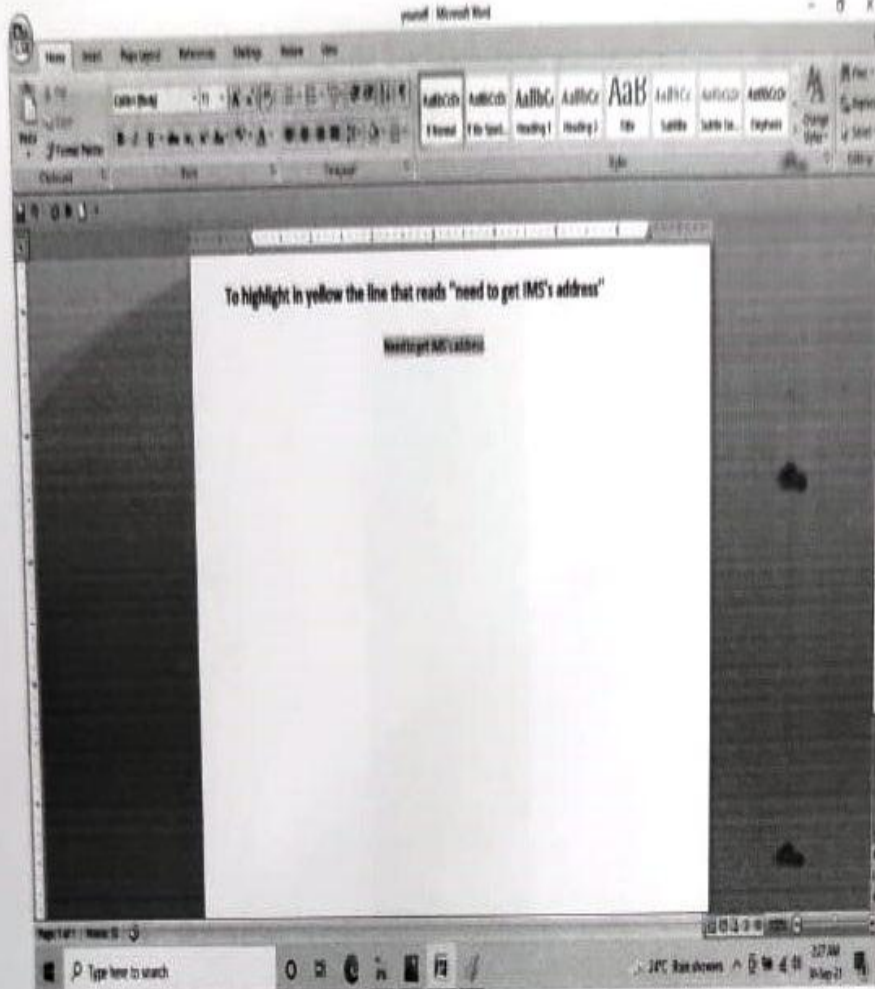
Q6.(b) ① To change the Font Style.



Q6. (b) (3) To Change the font color.



Q6. (b) (4) To highlight that reads:



Q7 Create a file MS word and save filename MS word.?

MS Word - Word (Product Activation Failed)

RT DESIGN PAGE LAYOUT REFERENCES MAILINGS REVIEW VIEW

MS Word

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 any type of document

Sum of the marks in range (C1:C11)

	A	B	C	D	E	F	G	H	I	J	K
1	name	marks									
2	arya	76									
3	vaneet	88									
4	sahil	74									
5	nikhil	98									
6	sourav	55									
7	priyanshu	84									
8	neha	83									
9											
10											
11	total	558									
12											
13											
14											
15											

sum of the marks

Question no -8

Average of numbers

	A	B	C	D	E	F	G	H	I
	name	marks							
	vinay	66							
	aniket	76							
	raghav	85							
	ritish	83							
	aman	72							
	arya	68							
	anshul	62							
1	total	73.14286							
2									

average of numbers

Q9. Create "text to 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
<u>here</u> 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.

Q11. Create a following worksheet in MS excel.

	A	B	C	D	E	F
1	Roll no	Name	Marks			
2		1 n1	60			
3		2 n2	70			
4		3 n3	80			
5		4 n4	90			
6		5 n5	40			
7		6 n6	50			
8		7 n7	77			
9		8 n8	44			
10		9 n9	88			
11		10 n10	55			
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

Applications Software :- An application software is a computer program designed to carry out a specific task other than one related to the operation of computer itself. It is easy to design and more interactive to the user.

eg - Microsoft, Firefox, Safari, Chrome etc.

Open Source Software :- Open Source Software is a computer software that is released under a license in which the copyright holder grants user the right to use, study, change and distribute and its source code to any one. The software can be customized to meet specific business needs.

eg - Linux, Mozilla Firefox, GIMP etc.

Ques 13-(a) Describe various steps involved in the following

► To modify column width of a worksheet

- Ans** -
- Select the column you want to change
 - On the home tab, in the cells group, click format
 - Under cell size click column width
 - In the column width box, type the value that you want
 - Click ok.

► To modify row height of a worksheet

- Position the cursor over the row line so the cursor becomes a double arrow
- Click and drag the mouse to increase or decrease the row height
- Release the mouse

► To delete rows and columns of worksheet

- Right click on a table cell row or column you want to delete
- On the menu, click delete cells
- To delete one cell, choose shift cell left or shift cells up. To delete the row click delete entire row. To delete the column click delete entire column.

(b) Describe following terms in worksheet

▶ Absolute reference and relative reference in formulas

Ans Absolute reference :- you can use an absolute reference to keep a row or column constant. It is designated in a formula by a sign of dollar (\$) before the column and row

Relative reference :- Relative reference is a type of cell reference in Excel. This reference changes when the formula is copied to any other cell or any other worksheet.

▶ Cell address :- A cell address is an alphanumeric value used to identify specific cell in a worksheet

Que 14(a) - What tools are available to customize our Powerpoint presentation?

Ans -

- Design
- Transition
- Animation
- Slide Show
- Review
- View

Que 14(b) - Write the steps for the following action for creation of Powerpoint presentation

▶ Open a blank presentation

Ans -

- Select the file tab to go to backstage view
- Select new on the left side of the window then click blank presentation
- A new presentation will appear

▶ Save the presentation as lab 1.pptx

Ans

- on the file tab click save
- Type the name lab 1.pptx
- Select the folder where you want to save

► Add the title of first slide the name of your college

Ans -

- 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
- Now type the name of your college

► Type your first name and last name in the subtitle section

Ans -

- on the playback tab click the insert caption button
- Then click insert caption
- In the insert caption dialog, browse to your caption file
- Select the file and then insert
- Now type your name
- Repeat the process again to add last name also.

► Add a new slide which has title and content

Ans -

- click the home tab in the ribbon
- click on new slide button in the slides button group
- to insert the new slide and choose the slide layout click the dropdown part of this button
- click on the slide that you want to select

Ques 15 - Write steps for creation of a set of powerpoint slides that demonstrates your skills to use the tools of powerpoint. It should include the following things

► Title slide bullet list

Ans -

- 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 begin typing your text Press return to create a new list item

▶ Inserting Excel sheet

Ans - • on the insert tab, click on object

- In the insert object dialog box, select create from file
- Click on tap browse, and in browse box find the excel workbook with the data you want to insert and link to
- Before you close the insert box, select link and click ok

▶ Clip art and text

Ans • on the insert tab, in the images group click on the pictures

- In the insert picture dialog box, enter your search term in the Bing.com
- your search results load in the task pane
- locate the clip art you want to insert in your slide and double click on it click the item and then insert

▶ Slide show effects

Ans - • click the slides tab

- Select any slide ~~tab~~ thumbnail of the slides which you want to apply
- Click on the thumbnail
- The slide show effect will start working.

PART - 2

Que 1b - what is the difference b/w machine language and high level language?

Ans - Machine language - A machine language consist of binary code and is the only language that is directly understood by the computer. It is hardware specific. eg

High level language :- High level language is programming language that uses english and mathematical symbols in its instructions. eg - Python, Java, C++

Que 17 - Describe the different types of C programming language

Ans -

language	year started	Created by (at)
• BCP	1966	Martin Richards
• B	1969	Ken Thompson
• Raptor	1974	Brian Kernighan
• AWK	1977	Alfred aho Peter Weinberger
• C++	1979	Bjarne Stroustrup
• Newspeak	1980	Rob Pike

Que 18 - Find the result of the following expressions

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

Ans $x = 17$

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

Ans $y = 30$

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

Ans - $z = 16$

Que 19 - Describe the syntax of following statements

(a) if-else statement

Ans - if (test expression) (true block of statement) Else (false block of statement).

(b) for loop

Ans - for (initial) (increment) (limit)

The for loop is terminated itself if else statement is true.

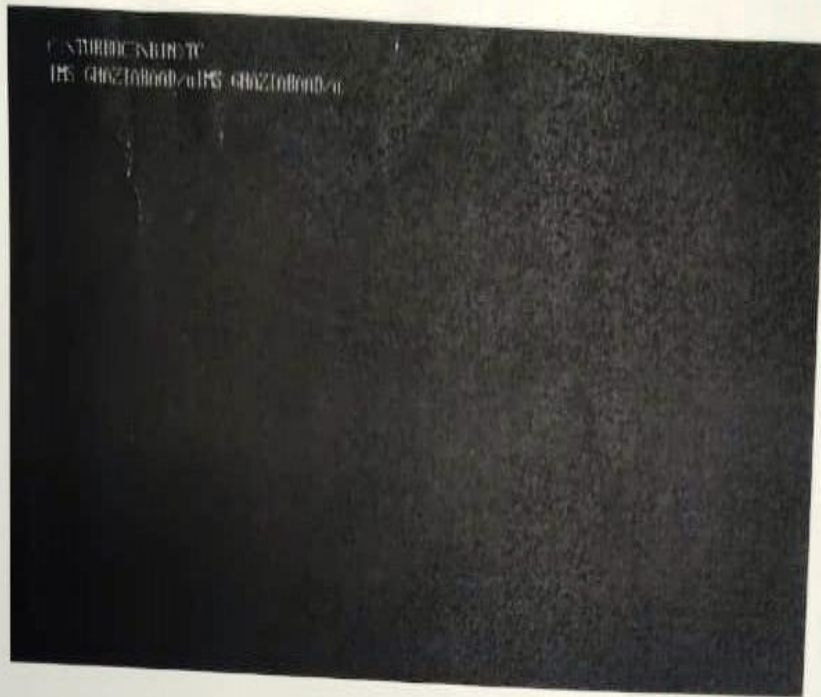
(c) while loop

Ans - while (condition)

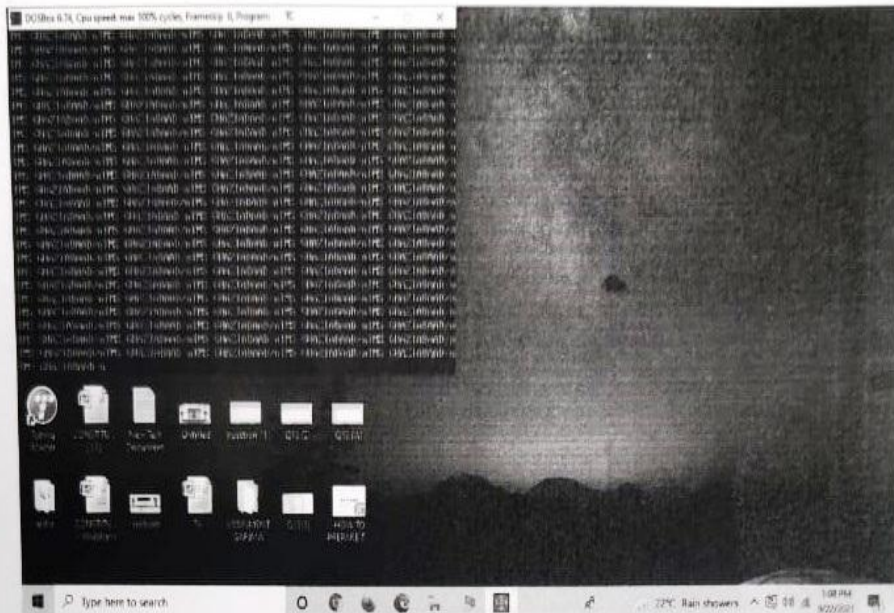
(d) do while loop

Ans - do (statements) while (condition)

Q20. (a) Write a program for loop in C ?



Q20. (b) Create a program for Do while loop in C ?



Q20. (c) Write a program in C for largest number ?

```
C:\TURBOC3\BIN>TC  
largest number is 100/nlargest number is 100/n
```