CCA-101: Fundamentals of IT & Programming

Assignment -1

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

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

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

Q4: Differentiate between Volatile & Non- Volatile memories.

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

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.

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 reads "need to get IMS's address".

Q7. Create a file in MS-Word for the following document and save it with file name 'ms_word'. Describe all steps involved in it.

MS Word

MS Word is a widely used commercial word processor developed by Microsoft

MS word is application software, which is capable of

- · constmit
- · editing,
- · saving, and
- · printing any type of document

Q8. Create a file in MS-word for the following document and save it with file name 'equations'. Describe all steps involved in it.

Equations X₂ + Y₅ = 30 Z² + Q² = 50 A₂ + B² = X₂ + Y² 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 involved in it.

Select the text you want to convert Select the Insert (ab. Click on Table command. A dialog box appears Click on Convert Text to Table, a new dialog bux appears here set number of columns. Click on OK Finally Selected test convert in 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

- Q10. Create a file in MS-Word to insert a table in the document. Describe all steps involved in it.
- Q11. Create a following worksheet in MS-excel and save it with name 'book1'.

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- Q12. Calculate the following things of a range (C2:C11) of data in the worksheet created in question no 10.
 - the sum of the marks using AutoSum 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)
- Q13 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
- Q13 b) Describe following terms in the worksheet
 - Absolute reference and relative reference in formula
 - Cell address
- Q14. a) What tools are available to customize our PowerPoint presentation?
- 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 and last name in the Subtitle section
- Add a New Slide which has a Title and Content

Q15. Write steps for creation of a set of PowerPoint slides that demonstrates your skill to use the tools of PowerPoint. It should include the following things

- Title slide &bullet list
- Inserting Excel Sheet
- Clip art and Text
- Slide show effects

Part -2

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

Q17. Discuss about different data types of C programming Language.

Q18. Find 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

Q19. Describe the syntax of the following statements

a) If - else statement b) for loop

c) while loop

d) do-while loop

Q20. Find the output of the following program segments

```
c)
                                #include <stdio.h>
                                                                    #include <stdio.h>
                                 int main()
                                                                    void main()
me i;
                                  int i = 1;
                                                                      int a = 10, b=100;
for (ici; ic2; ico)
                                  while ( i <= 2 )
                                                                      if(a>b)
                                                                      printf( "Largest number is %d\n", a);
                                    printf( "IMS Ghaziabad\n"):
                                    i=i+1;
                                                                        printf( "Largest number is %d\n", b);
```

Fage-No-1	Dated
	COA-101-Fundamentale of IT & Drograming
	Assignment - 1
0.1	What are the for funkamentals parts of computer -
a aw	Four Jundamental posts
4	Imput unit
2	critical unit
3	Cantral Processing unit [CPU]
Ч	Memory Unit 1 Stopage Unit.
1.	Imput Unit:
	Input units are all the
	devices you use to jeed information to -
-	the Computer, such as a Keymard.
	mouse, a hard drive. These clavices -
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The same of	audio or video format such as
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PageNo 2	Dated
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	data processing exerctions of its
THE PARTY N	and instructions it cantruls the operation of all pasts of the computer. Chu its sof that three companients. () cantral unit (11) Alu Carithmetic loge unit)
	Memory or Storage Unit: Once the Chu
•	Converts a specific Set of a Computer program instructions at that machine code
	machine code will be treated as
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	memory. Uses on instruction to manipulate the data and then sends the scalt and the mext set of intructions back to
	memory.
THE STREET	Teacher Standing

ngeNo-3	Dated
0.9	Discuss about the classification of computes based on Size and capacity.
Ans:	Computer classification
0	
	Micro Mini Mainfoune Sylver Computer Computer Computer Computer
1.	Micro Computer:) You can See Such Computers of home like Salotop, desktop.
	Smartuatches tablets All Computer's Componer
•	integrated Circuit chip the Microperocesson based computer one called third generation computers, they were invented in the 1970's.
2	. Mini computer :) Al Mini computer were
	Introduced in the 1960 s. They were gas than Micro computers. Pasically these
	Systems where many multi-users work of the Systems consolly these types on reacher Signature

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0.3	What is the meaning of computer generations are defined what technologies were love used?
Ghrs.	The modern computer took vite Shape with the assival at your time it and book around 16th and another when around 16th and the computer when the computer shooted the initial computer faced man
	changes obviously for the betterment. It conditionsly improved itself in terms of speed accurately. Size and price to unge the form of the fashinelle day computer. This long possion is often come. Mently divided the
	generations. Teacher Signature Scanned by PDE Scanner

Page-No-6	Dated
	There are five generations of the Computer.
3	Fixed generation (1940-1956) Second Chemeration (1956-1963) Third Chemeration (1964-1971) Fourth Chemeration (1971-20 Fifth Chemeration
4.	First Chemeration: The First Chemeration of Computer Used Vacuums tubes as a major petre of teamology. Vacuums Tubes Wese widely use in computers from 1940 through 1976. Some of the First greenation Computers took up on Contice room The ENIAC is a great example of the first generations of the Computer.
	Second Openeration: In the 1956s town Sisters replaced tubes and used magnetic Coxes for memories CIBM 1620 Honeywell 8th) Size was reduced and reliability was significantly improved See IBM 1409 Honeywall.
3	Third Greneration:

Page-No-	
Tag- no	used the first integrated circuits (IBM) 360, CDC 6400) and the first spending system and delauter management systems
	360, CDC 6400) and the first operating
Total Control	System and detailer. many
4	Fourth generation ? The Mid to late
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7 2 A	Computers for the first time.
5.	Fifth Cheneration ?
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nge-No-8	Valatile Memory	Non Valile memory
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^ y.	Example-RAM	4) Example: ROM
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6.	VIM is more costly per unit Size	6) Non-VIM is Jest costly per unit siz
05	Distinguish among application software on the	System Saftware and open sower le basis of their features
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	basic Junctions So user can sun higher - Jevel Application Software to ber John costain tasks.
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3	Bigger in Size.
4	More Interactive.
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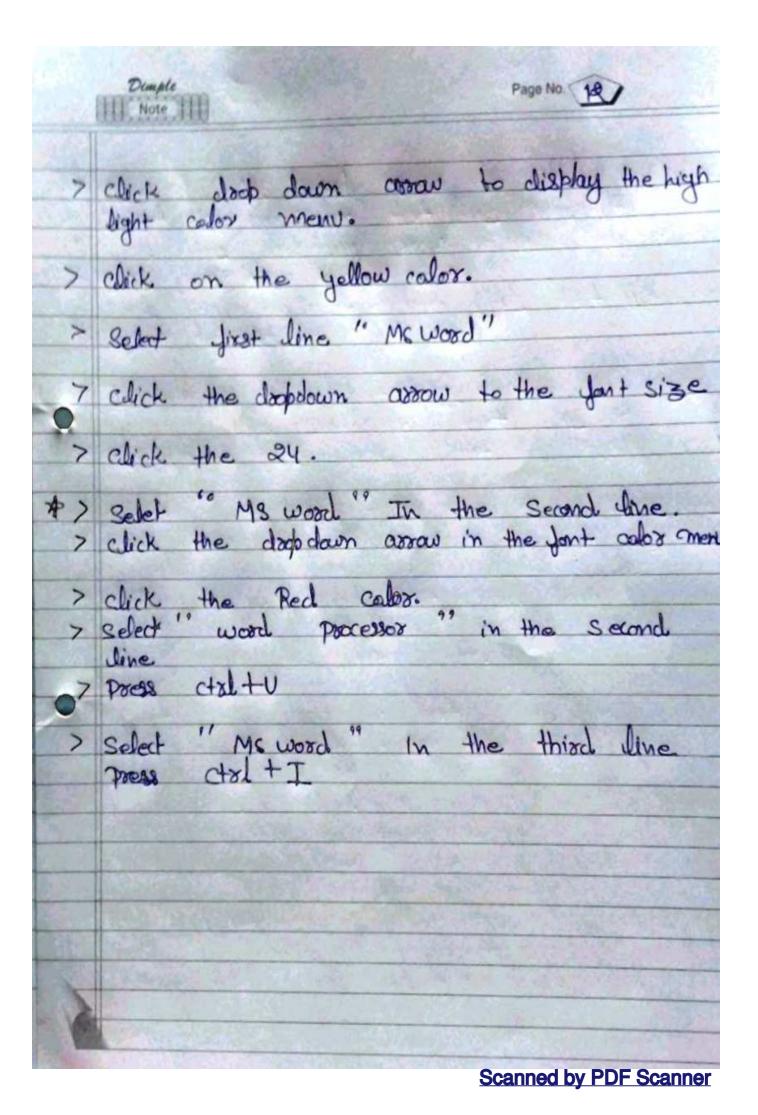
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(p) Press Enter (p) type All data In a Range of cell C2: (11: C35,34,
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95,65; 75, 67) (11) Raess (+21 +5
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Q.13	Describe following terms in the worksheet.
<u> </u>	Absolute reference and relative.
\rightarrow	Call address.
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	Fallowing Steps &
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9 3	enter the formula to calculate the desired value.
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	To to home tab. In the posseysaph group alick Bullets
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CQ.16	what is the differe between markine language 3
	Hight Level Language Low Level Language
7	It is programmer priedly (1) It is a machine Language.
2.	High Lovel language is less @ Low Level language is memory efficient thigh memory efficient
	It is easy to understand. 3) It is tough to understand
4.	It is simple to debug. This complex to debug composatively.
Si	It is simple to maintion. (5) It is complex to mintain
6-	It is postable. (6) It is non-postable
	It can run on aug (7) Is is madina - dependent Platform.
8.	It read compiler or (8) It has assembles jos interprete jos translation. Isanslation.
q.	The used uidelygo (9) It is not Commonly programingly. Well now-a days is
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ar Discuss about different data types of c broogsamming language. The Each variable in the has an associated data type requires different amount of memory and the has has some. Specific operations which can be performed over it. Let us briefly describe them one by one. following are the example of some very common data types used in C: char: The most basic data type in C.

it stores a single character and

requires a single byte of memory in almost
all complexs. Int: As the name suggests and vasiable is used to store on integer. Float: it is used to Store derimal humbers with single prosessim. Double: it is used to Store decimal humbers with double poerision.