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.

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

all steps involved in it.

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.

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'.

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

a) b) c)

```
#include <stdio.h>

int main()

{

int i;

for (i=1; i<2; i++)

{

printf( "IMS Ghaziabad\n");

}

}
```

```
#include <stdio.h>

int main()

{

int i = 1;

while ( i <= 2 )

{

printf( "IMS Ghaziabad\n");

i = i + 1;

}

}
```

```c
#include <stdio.h>
void main()
{
int a = 10, b=100;
if( a > b )
printf( "Largest number is %d\n", a);
else
printf( "Largest number is %d\n", b);
```