

COMPUTER SCIENCE (C++)

HOLIDAY HOMEWORK- ASSIGNMENT

1. What is the function of memory ? what are its measuring units ?
2. What are the four basic components of computer system. Explain all .
3. Differentiate between warm booting and cold booting.
4. What are language processors? Explain each one of them.
5. Differentiate between primary memory and secondary memory.
6. What is software ? How system software and application software are different from each other.
7. Write short note on the followings:
 - i) Operating system as Resource manager
 - ii) Operating system as Memory manager
 - iii) Operating system as an interface

8. What is GUI?

9. Convert the followings:

i)	$(101.10)_{16}$	$(?)_{10}$
ii)	$(3674)_8$	$(?)_{10}$
iii)	$(101011001)_2$	$(?)_8$
iv)	$(10101000110)_2$	$(?)_{10}$
v)	$(0.9375)_{10}$	$(?)_2$

10. Find the 2's complement of 64.

11. Solve the following

i)	$\begin{array}{r} 101011 \\ - 010111 \\ \hline \end{array}$	ii)	$\begin{array}{r} 101011 \\ + 101000 \\ \hline \end{array}$
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12. What will be the output of following questions:

i) `int x=2;`
`float y=5;`
`cout<<"\n The value of x is "<<x+10*y;`
`cout<<"\n The value of y is "<<x+10/y;`

ii) `# include<iostream.h>`
`void main ()`
`{`
`Cout<<"C++";`
`Cout<<"Programming";`
`}`

13. What is the difference between 'x' and "x" in C++?

14. WAP to find the temperature conversion from celsius to fahrenheit .

15. WAP to find the percentage of 5 subjects for a student.

16. Differentiate amongst the followings:

Inkjet printer, Dot matrix and laser printer

17. Difference between hardware and software.

18. Find and correct the errors in the following programs

```
main()
{
    cout<<"Enter number"\n;
    cin>>no
    remainder=no%10
    cout>>"The remainder is :"<<remainder;
}
```

19. What would be the output of the following program:

```
#include<iostream.h>
Void main()
{
    cout<<"program";
    cout<<"ming";
}
```

20. What kind of program elements are the following:

a. 15 b. 'd' c. 24.876 d. "def" e. abc()

21. Write short note on the following:

- a) Cache memory
- b) Ports
- c) SRAM and DRAM