## ASSIGNMENT

Q1. Write a C++ program for finding the simple interest.
Q2. Write a C++ program to print the Fibonacci series (0 11235 8.... Upto n terms).

Q3. Differentiate between logical error and syntax error with example.

Q4. What is the role of main( ) in C++ program?

Q5. What is the range of values that an unsigned integer variable can store?

Q6. What are the lengths in bytes of long double variables?

Q7. Use a statement to print out the character variable letter.

Q8. Write a statement to assign the value 3 to the variable $\mathrm{C} 1, \mathrm{C} 2, \mathrm{C} 3$.

Q9. What is the name of " - " operator?
Q10. What is the purpose of size of operator?
Q11. Give the output of the following program segment?
int $\mathrm{i}=100, \mathrm{j}=9$;
cout<<i/j <<endl;
Q12. What will be the output of the following program?
\#include<iostream.h>
int $\mathrm{a}=25$;
void main()
\{
int $a=8$;
cout<<a <<" " <<: :a<<endl;
\}

Q13. What will be the output of the following program segment?
\#include <iostream.h>
void main()
\{
int $r, a=50, b=10$;
$r=(a>45) ? a: b ;$
cout<<r;
\}
Q14. What will be the output of the following program:
\#include<iostream.h>
main()
\{
float $P=10.45$;
P=P++ +1;
cout<<" $P=$ " $\ll P$;
Q15. Using the given values of $x, y$, and $z$,
evaluate the following. (answer in true/false)

> ( $x=y)|\mid(!(z==y) \& \&(z<x))$ $\begin{array}{ll}\text { (i) } x=10, y=5, z=11 & \text { (ii) } x=10, y=10, z=10 \\ \text { (iii) } x=9, y=10, z=2 & \text { (iv) } x=1, y=1, z=1\end{array}$

Q16. What are the differences between Unary and Binary operators? Give their examples.

Q17. What is a modular programming?
Q18. Name the different types of program maintenance.

Q19. Using control structure, write a C++ program to find the sum of all even numbers between 1 and 20.

Q20. Write a C++ program to find out the square of ' $n$ ' prime numbers.

