

ASSIGNMENT

Q1. Write a C++ program for finding the simple interest.

Q2. Write a C++ program to print the Fibonacci series (0 1 1 2 3 5 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 C1,C2,C3.

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 i=100, j=9;  
cout<<i/j <<endl;
```

Q12. What will be the output of the following program?

```
#include<iostream.h>  
int 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= "<<P;
```

Q15. Using the given values of x, y, and z, evaluate the following. (answer in true/false)

`(x=y) || (!(z==y)&&(z<x))`

(i) `x=10, y=5, z=11` (ii) `x=10, y=10, z=10`

(iii) `x=9, y=10, z=2` (iv) `x=1, y=1, z=1`

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.