

**Note: Attempt all questions. All questions equally map with the CO's**

	Course outcomes
CO1	The student will demonstrate proficiency in C++ programming language
CO2	The student will be able to solve basic engineering computation problems using C++

### QUESTIONS

1. What are tokens? Explain its various types. (4)
2. Write the output of the following: (2)
  - a)
 

```
int main()
{
int n;
for(n = 7; n!=0; n--)
cout<<"n = "<< n--;
getchar();
return 0;
}
```
  - b)
 

```
int main()
{
int a, b = 10;
a = -b--;
cout<<"a = "<<a<<" b = "<<b;
return 0;
}
```
3. How is iteration done in C++? Explain the various types and the difference among them. Write a program to find sum of 5 digit number and its reverse. (7)
4. Define Functions. What are its types? How is a function called? Display the following pattern using functions. (7)

```
1
2   3
4   5   6
7   8   9   10
```

