Practical 2.(b)

Aim: Write a C++ program to find the sum of even and odd n natural numbers.

Algorithm:(i)Start

(ii)Main function

(iii)Formula

(iv)Print the result

(v)Stop

Theory: In this practical,we will see a C++ program to find the sum of even and odd n natural numbers.

Program:

```cpp
#include <iostream>
int main() {
    std::cout<<"08_Rabin Nadar";
    int number,maximum,evenSum=0,oddSum=0;
    std::cout<<"\nPlease Enter the Maximum Limit for Even &
Odd Numbers = ";
    std::cin>>maximum;
    for(number=1;number<=maximum;number++)
    {
```

```
if(number % 2 == 0)
{
    evenSum=evenSum+number;
}
else
{
    oddSum=oddSum+number;
```

```cpp
}

    }

    std::cout<<"\nThe Sum of All Even Numbers upto"<<maximum<<"="<<evenSum;

    std::cout<<"\nThe Sum of All Odd Numbers upto"<<maximum<<"="<<oddSum;

    return 0;

}
```

Output:

Conclusion:
We have successfully written the code and executed it.