

## Computer Science Lectures by Er. Deepak Garg

### (iv) Function with arguments and return value :-

- In this the arguments of the calling function is passed to the called function
- Called function returns a value to calling function

#### Program

```
int Sum(int, int)
void main()
{
    int a = 5, b = 10;
    int s = Sum(a, b);
    printf("Sum = %d", s);
}

int Sum(int x, int y)
{
    int Sum;
    Sum = x + y;
    return(Sum);
}

Output
Sum = 15
```

#### Explanation

- When `int s = Sum(a, b);` is executed, the program control goes to called function of Sum
- Here value of a and b will be passed to x and y
- Called function returns sum to the calling function `s = Sum(a, b);` which is 15 and next statement of `printf` get executed.