

MONTHLY TEST (APRIL 2018)
CLASS XII [COMPUTER SC.]

1. What is Data Hiding ? How can it be implemented in C++ , Write code for it. 3
2. What are different visibility modes can be implemented in class ? 1
3. What do you think by Function Overloading ? Give example. 2
4. Write program to calculate area of rectangle and area of Circle using function overloading. 4
5. Find the output of following code : 4

```
class test
{
    int x;
    public:
        void cal(int a, float b);
        void cal(float a);
}s;

void test::cal(int a, float b)
{
    cout<<a<<" int "<<b; }

void test::cal(float a)
{
    cout<<a<<" float"; }

void main()
{
    s.cal(2.5, 5);
    cout<<"\n";
    s.cal(5.0);
}
```

6. See the following code : 2+2
 - (i) int mytest(int a, int b, float c);
 - (ii) void mytest(int a, float b, float c);
 - (iii) float mytest(int a, int b);
 - (iv) float test(int a, int b)

identify which functions as function overloaded/not/ useless code with reason ?

7. Find the error and re-write the correct the code : 2

```
class test
{
    int x;
    public:
        void cal(int a, float b);
        void cal(float a);
}s;

void main()
{
    s.cal(7);
    s.x=10;
}
```