National Institute of Open Schooling
Senior Secondary Course: Computer Science
Lesson 19: Inheritance Extending Classes
Worksheet – 19

1. What is the importance of inheritance?

2. Mention the three visibility modes.

3. What is base class?

4. What is meant by abstract class?

5. What is a virtual base class? Explain it by giving an example.

6. What are the different types of Inheritance? Explain.

7. Will you able to access private members of the base class in derived class? Explain the reason.

8. Can a class extend more than one class? Explain it by giving an example.

9. What is the difference between public and protected visibility modes?

10. What will be the output of the following code?

```
#include<iostream.h>
 class Base
{
      public:
         int fun()
           {
        cout << "Base::fun() called";
      }
         int fun(int i)
      {
        cout << "Base::fun(int i) called";
       }
};

class Derived: public Base
{
      public:
         int fun()
       {
        cout << "Derived::fun() called";
       }
};

int main()  {
   Derived d;
   d.Base::fun(5);
   return 0;
}
```