MES’s Institute of Management and Career Courses

MCA II Year-SEM IV

IT-41 Python Programming

**PYTHON LAB3- Exercise on Object oriented Programming**

1. Create a Python class named Circle constructed by a radius and two methods which will compute the area and the perimeter of a circle.
2. Create a Python class named Rectangle constructed by a length and width and a method which will compute the area of a rectangle.
3. Write a program to implement constructor.
4. Write a program to implement multiple inheritance.
5. Write a program to implement polymorphism.
6. Write a program to implement method overriding.
7. Write a program to implement composition.
8. Write a program to implement aggregation.
9. Write a program to implement abstraction.
10. Write a program to implement to show the use of access specifier.