Sample Question Paper

1	What is a class in Python? How is it different from an object?	3 Marks
2	What are accessor and mutator methods? Why are they useful?	3 Marks
3	Write a Python program to create a class Car with attributes brand, model, and year.	3 Marks
4	Write a Python program to define a class Student with a private variable _grade and use accessor and mutator methods.	3 Marks
5	Write a Python program to demonstrate method overriding in inheritance.	3 Marks
6	Write a Python program that demonstrates function overloading using default arguments.	3 Marks
7	Write a Python program to define an abstract class Animal with an abstract method make_sound().	3 Marks
8	Explain the syntax of try-except blocks with an example.	3 Marks
9	Write a Python program to handle a ZeroDivisionError exception.	3 Marks
10	What is the difference between finally and else in exception handling?	3 Marks