

INTERNAL ASSIGNMENT - 1

Course	BCA	Object Oriented Programming Using C++
Year	2	
Total Marks:	100	

Q.1.	Write answers for all the questions below. (20 marks each – Word limit – 500)
A.	Write C++ program to add two complex numbers using friend functions.
В.	What is function overloading? What are the principles of function overloading?
C.	Write a C++ program to find area and circumference of a circle. Take the radius as input from user.
D.	Differentiate between class and structure. With an example explain the syntax for defining a class.

E. Define Polymorphism. Explain types of polymorphism with example.



INTERNAL ASSIGNMENT - 2

Course	BCA	Object Oriented Programming Using
Year	2	C++
Total Marks:	100	

Q.1.	Write answers for all the questions below. (20 marks each – Word limit – 500)

- **A.** Define inline function. Write a C++ program for finding the area of a triangle using inline functions.
- **B.** What is operator function? Explain the significance of operator functions in detail?
- **C.** Differentiate between function overloading and function templates, can we overload a function template? Illustrate with an example.
- **D.** What is a constructor? Write different rules associated with declaring constructors. Explain about default and parameterized constructors with suitable examples.
- **E.** Differentiate between overloading and overriding with example.