



(c) Describe various advantages of inheritance (4)

**Q-5 Attempt all questions**

(a) Explain friend class with example (5)

(b) Explain nested classes with example (5)

(c) Differentiate between constructor and destructor (4)

**Q-6 Attempt all questions**

(a) What is default constructor? Explain with example (5)

(b) Explain arrow operator with example (5)

(c) Write a note on: function prototyping (4)

**Q-7 Attempt all questions**

(a) Explain class template with example (5)

(b) Describe type conversion with example (5)

(c) What is virtual function? Explain with example (4)

**Q-8 Attempt all questions**

(a) Write a C++ program to find area of rectangle and area of circle and area of triangle using area() with function overloading (5)

(b) Write a C++ program of student class with data members rollno, name and member function getdata() to input the details and display() to display the details of five students using array of object. (5)

(c) Write a C++ program to create UDF named swap() used to interchange the values of two variables (4)

