



**Part-III**

**Only Long Answer Type Questions (Answer Any Two out of Four)**

- Q3** Compare and Contrast between overloading and overriding. Create a class called Volume which contains a method called "find\_vol()". Design a C++ program to create objects named as sphere and cylinder of the above class and implement function overloading to calculate volume of a sphere and cylinder based upon user input. **(16)**
- Q4** Write a program that overloads Cin and Cout operators? **(16)**
- Q5** What is Runtime Polymorphism? Write a program that implements pure virtual function? **(16)**
- Q6** Discuss all types of constructors with an example? **(16)**