

Class : BCA 4th sem
Subject : C++
Some Important Questions

Prof. Vinay Bharti

1. What is Data Conversion? Explain its types.
2. What is Inheritance? Explain different types of Inheritance.
3. Explain the following:
 - a) Virtual Base Class
 - b) Containership
 - c) Abstract Class
 - d) Hybrid Inheritance
4. What are the Visibility modes? Explain with suitable example.
5. Describe the working of Constructor and Destructors in Inheritance.
6. What is the difference between Overriding and Overloading?
7. W.A.P. to create student record using multilevel inheritance:
List of Classes:
Base Class(student)->Members: roll, name, getdata(), display().
Intermediate Class(Test)-> sub1, sub2, readdata(), putdata()
Derived Class(total)-> total_msrks, compute().
8. Explain the difference between private, protected and public.
9. What is Polymorphism? Explain its types.
10. Define Virtual Functions with its rules.
11. What is pure virtual function explain with suitable example.
12. How to implement the concept of late binding?
13. What is virtual destructor?
14. Explain formatted console Input/Output.
15. Distinguish between Text and Binary files?
16. Define a stream. What are the three stream used for inputting, outputting and both for inputting and outputting.
17. What is Generic Data Type? Explain its types.
18. Distinguish between function and class template.
19. What is Exception? How is an exception handled in C++.
20. W.A.P. that illustrate the application of multiple catch statement.