



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SCI.

THIRD SEMESTER – NOVEMBER 2013

CS 3502 – OBJECT ORIENTED PROGRAMMING WITH C++

Date : 06/11/2013
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

PART –A

Answer ALL the questions:

(10 x 2 = 20)

1. Write any four features of OOPS.
2. Define function overloading.
3. What is Destructor ?
4. Define Default constructor?
5. What is a pure virtual function?
6. What are the types of inheritance?
7. List all formatted I/O in C++.
8. What are C++ Streams ?
9. Define Templates . What are the types of Templates?
10. List down few types of exceptions and mention the keywords used for handling exceptions.

PART-B

Answer ALL the Questions:

(5 x 8 = 40)

11. a) Explain Call by reference and Call by Value .
(OR)
b) Write a C++ program using inline function.
12. a) Explain Copy Constructor with an example.
(OR)
b) Explain the use of destructor with an example.
13. a) Explain overloading in C++ . How will you overload unary operator and binary operator?
(OR)
b) Explain virtual function with an example.
14. a) Discuss in detail about C++ I/O Stream classes.
(OR)
b) Write notes on Formatted and Unformatted Console I/O Operations.
15. a) Explain class template.
(OR)
b) Explain exception handling Mechanism.

PART- C

Answer any TWO Questions:

(2 x 20 = 40)

16. a) Explain the basic concepts of Object oriented programming.
b) Explain various types of Inheritance.
17. a) Write a note on parameterized constructor and Dynamic Constructor.
b) Briefly explain friend Function.
18. a) Explain Function Templates with example.
b) Explain about the built in functions used for opening, closing files, File Modes and File pointers.

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