



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

THIRD SEMESTER – APRIL 2016

CS 3502 – OBJECT ORIENTED PROGRAMMING WITH C++

Date: 28-04-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART – A

Answer ALL the Questions

(10x2=20 marks)

1. What is a token?
2. What is an expression?
3. What is a class?
4. What is a Destructor?
5. What is operator overloading?
6. What is inheritance?
7. What is a stream?
8. What is a file pointer? Mention its uses?
9. What is an exception? Mention its types?
10. What is a Template?

PART – B

Answer ALL the Questions

(5x8=40 marks)

11. a) List the benefits of OOP?

(OR)

- b) Write short notes on inline function?

12. a) What is a constructor? Mention its special characteristics?

(OR)

- b) Explain in detail about constructors with default arguments.

13. a) List the rules for virtual functions.

(OR)

- b) Explain multiple inheritance with suitable example.

14. a) Explain in detail about file modes?

(OR)

- b) Explain in detail about formatted console I/O operations.

15. a) Write a C++ program to implement the concept of function template.

(OR)

- b) Explain the basic procedure for Exception handling.

PART – C

Answer any TWO Questions

(2x20=40 marks)

16. a) Explain the structure of a C++ program with an example.
b) Explain various C++ operators.
17. a) Write a C++ program to implement the concept of parameterized constructors.
b) Write a C++ program to overload Unary operators.
18. a) Write a program to read value from keyboard and store it in a file.
b) Write a C++ program to catch all the Exceptions.

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