LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION -COMPUTER SCIENCE

THIRD SEMESTER - APRIL 2018

CS 3502	- OBJECT ORIENTED PROC	RAMMING WITH C++
Date: 05-05-2018 Time: 01:00-04:00	Dept. No.	Max. : 100 Marks
	PART – A	
Answer ALL questions:	:	(10x2=20)
1. Define function pro	totype. Give example.	
2. Differentiate Call by	y value and Call by reference.	
3. Enumerate the cha	racteristics of a member functio	on.
4. What are construct	ors and destructors?	
5. What is virtual fund	ction? Give example.	
6. Define 'this' pointer	.9	
7. Write notes on vario	ous file mode of operations.	
8. Write the syntax to	open a file?	
9. What do we mean b	by function templates?	
10. What are construc	ts used in Exceptions handling?)
	PART – B	
Answer ALL questions	;	(5x8=40)
11.a. Explain the basic	c concepts of OOPS with suitable	e Examples.
	(or)	
b. Explain differe	ent types of function calls with	h suitable examples.
12. a. What is a constr	ructor? Write all its types with e	xample program.
	(or)	
b. What is the need example.	d for array of objects? How mult	ciple objects are accessed? Give an

13. a. Write a program to overload prefix and postfix operators using member function and friend function.

(or)

14.a. Explain in detail about formatted console I/O operations.

(or)

- b. How will you create text files? Explain it with suitable example.
- 15. a. Explain elaborately about exception handling mechanism with example.

(or)

b. Briefly explain about the syntax of a class template with suitable program.

PART - C

Answer any TWO questions:

(2x20=40)

- 16.a. What is friend function? Discuss its use with suitable program.
 - b. Explain dynamic initialization of objects with example.
- 17.a. Explain the in detail about various types of inheritance with suitable program
 - b. Explain the different file modes with example.
- 18.a. Explain in detail the C++ standard exceptions.
 - b. Write a C++ program for unary operator and binary operator over loading.
