# 97675

# B.C.A. 4th Semester Examination-May, 2015 Object Oriented Design & Programming

## Paper-BCA-208

Time: 3 hours

Max. Marks: 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note: Attempt five questions in all. Question No. 1 will be compulsory. Students will have to attempt four more questions, selecting one question from each unit.

1. Explain the following:

16

- (i) Flow control
- (ii) Static members

(	iii	)	S	ta	ti	С	fu	n	cí	i	Or	15

# (iv) Name space

#### Unit-I

2.	What do	you mean	by	object ori	ented					
	approach?	How is	iť	different	from					
	procedural	language.	Also	o explain	the					
	characteristics of OOPS.									

- 3. Explain the following in C++ Language. 16
  - (i) Recursion
  - (ii) Operator
  - (iii) Array and pointer

### Unit-II

- What do you mean by Constructor? Explain in detail about its types.
- 5. What is memory management? How is it implemented in C++.

## Unit-III

6. What is Inheritance? Explain the different

16

types of Inheritance.

7.	Describe the following:	16
	(i) Virtual function	
	(ii) Friend function	
	Unit-IV	
8.	What is exception ? How is it handl	ed in
	C++. Explain in detail.	16
9.	(i) What do you mean by Iterator? Ex	xplain
	its types.	8

(ii) What are Template classes? Explain in

detail.