(06 Marks)

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Second Semester MCA Degree Examination, Dec.2016/Jan.2017 Object Oriented Programming using C++

Time: 3 hrs. Note: Answer any FIVE full questions. Max. Marks: 100

			Note: Answer any FIVE fun questions.		
1	l		i) objects ii) inheritance iii) polymorphism by encapsulation	(10 11100)	
		c.		(05 Marks)	
	2	a.	What is function template? Write a function template to swap contents of two variables and to use two int variables and char variables as parameters to swap fun	(08 Marks)	
		b. c.	Describe the significance of static data members and static functions with example. What is copy constructor? Explain with example.	(07 Marks) (05 Marks)	
	3	a. b.	List rules for overloading of operators. Explain the following with example: i) friend function ii) friend class Explain how delete and new operators manage memory allocation dynamicall with a C++ program to demonstrate these operators.	(05 Marks) (08 Marks) y. Explain (07 Marks)	
	4	a. b. c.	What are virtual base classes? When do you need virtual base class in C++ Explain with an example. What is inheritance? Explain with general syntax. How do you pass arguments to a constructor of a base class? Explain with an example.	(4 Marks)	
	5	a. b. c.	of using array of nointer objects in C++! Explain.	J, name and as semester, (10 Marks) (05 Marks) (05 Marks)	
	6	a. b. c	Define early binding and late binding? Explain each of them with an example.	(05 Marks) (08 Marks) iding virtual (07 Marks)	
	7	a b	- a 1 C II with a with a amples:	(10 Marks) (10 Marks)	
	8	a	What do you mean by exception handling? Explain how multiple catch state	ment can be (08 Marks)	

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

used in exception handling in C++?

Describe terminate () and unexpected () functions with syntax and examples.

Write a short not eon standard template library container classes.