B.E.-Computer Technology Sem IV CT405 - Object Oriented Methodologies

	Pages : ne : Thi	2 ree Hours	GUG/S/18 ★ 1 0 0 4 ★ Max. Mar	
	Note	es: 1. 2. 3.	All questions carry equal marks. Due credit will be given to neatness and adequate dimensions. Assume suitable data wherever necessary.	
1.	a)		program to create a class area consisting of suitable data member and two as for calculating area of circle and rectangle.	8
	b)		program to design a calculator that add, multiply, subtract and divide using functions.	8
			OR	
2.	a)	Write a	program to demonstrate use of object as function arguments.	8
	b)		program to create a class Item that consist of number and cost data members. suitable member functions.	8
3.	a)	What is	garbage collection. List the pros and cons of garbage collection.	8
	b)		program to implement Dynamic memory allocation using new and delete operato ate memory to Array, objects. Write separate code for both.	or 8
			OR	
4.	a)		class in 1 and in 2 and write suitable function to convert one class object to class object using the concept of Data conversion.	8
	b)	Write su	uitable code to implement the concept of Binary operator overloading.	8
5.	a)	Write su	uitable program code to implement single inheritance as private derivation.	8
	b)		program to implement the concept of passing parameters to the Base class ctor via derived class constructor.	8
			OR	
6.	a)		uitable code to implement function overloading and containership: Classes within Write separate code for both.	n 8
	b)	What is Inherita	Inheritance? What are the advantages of Inheritance? Explain different types of nce.	8
7.	a)	Write a	program to implement the concept of this pointer.	8

	b)	List the rules of static function and write suitable program code to demonstrate the use of static function.	8
		OR	
8.	a)	Write suitable program code to demonstrate the use of pure virtual function.	8
	b)	Write a program to demonstrate use of Dynamic cast operator.	8
9.	a)	Write a program on command line Argument that takes two files Even and Odd. Program checks the array for the number to be even or odd and stores in specific files.	8
	b)	Write a program to handle multiple catch statements.	8
		OR	
10.	a)	Write suitable program code for overloading Extraction and Insertion operator.	8
	b)	Explain Error handling in file I/O with the help of program code.	8
