			53
TED (15) - 3134		Rog No	
(REVISION—2015)		Signiture	
	EXAMINATION IN SEMENT/COMMERCIA		
	BJECT ORIENTED PROGE	Walter Committee	
OI.	SECT ORIENTED PROGR	CAMMING THROUGH	¥7.0
		*	[Time: 3 hours
	(Maximum n	narks: 100)	-
	PART	— A	€8 ¥
	(Maximum 1	marks: 10)	
	± ¥		Marks
. 1. Define	II cuestions in one or two sent e preprocessor directives. e arrays. Write the syntax to de	nikul	CS VINELIKA.
3. What	is data abstraction in OOP?	10	
	e templates in C++		(5×2 = 10)
	PART	— В	
1.5	(Maximum	marks: 30)	
II Alswer an	ny five of the following questi	ons. Each question carrie	s 6 marks.
I. Explai	in different datatypes in C++		2.9.
2. Explai	in default arguments in C++	28	
3. Write	a note on function overloading	with an example.	21
4. Discus	ss base class and derived class.	Illustrate with example.	
5. Differ	rentiate inheritance and composit	tion,	

6. What are virtual functions? Explain in detail

7. Write a note on input/output operators in C++

 $(5 \times 6 = 30)$

PART - C

(Maximum marks: 60)

(Answer one full question from each unit. Each full question carries 15 marks.)

		Unit — I	
m	(a)	Explain looping statements in C++	9
	(b)	Write a note on storage classes in C++	6
		OR	
IV	(a)	Discuss the input and output with disk file.	9
	(b)	Write a program in C++ to check whether a given numbers is positive or negative.	6
		Unit — II	
V	(a)	Write a C++ program, using the concept of class and objects, to read the details of a student such as roll number, name and marks for three subjects using a member function named getdata(), calculates his total marks and print the result using the member function putdata().	9
	(b)	Explain the following Object Oriented Programming concept.	ij
		(i) Class (ii) Data encapsulation (iii) Polymorphism	6
		(i) Class (ii) Data encapsulation (iii) Polymorphism OR	
VI	(a)	Write a note on constructors in C + with suitable example.	9
100	(b)	With an example, describe how the member functions are defined outside	
VII	(a)	Write a program is C++ to overload binary operator '+' for finding the sum of two complex numbers.	9
	(b)	Explain visibility centrols.	6
	(0)	OR	0
/III	(9)	Define inheritance. What are the different types of inheritance supported	
	(4)	by C++	9
	(b)	What are the limitations of operator overloading?	6
		UNIT — IV	
IX	(a)	Write a note on how a base class object pointer can invoke the member function of a derived class. Explain with example program.	9
	(b)	Explain the ambiguity problem in multiple inheritance. How it can be solved? Explain with an example.	6
		OR	
X	(a)	Discuss different exception handling mechanism provided by C++	9
	(b)	Explain class emplates in detail,	6