Seat No:			Enrollment No:	
Scat IV	U•	PARUL UNIVERSITY		
		FACULTY OF ENGINEERING & TEC		
		B.Tech.Winter2019 - 20Examina		
Somo	store 3		Date: 02/12/2019	
Semester: 3 Subject Code: 03105204 Subject Name: Object Oriented Programming with C++			Time: 2:00pm to 4:30pm	
			Total Marks: 60	
Instru				
1. All	quest	ions are compulsory.		
2. Fig	ures to	o the right indicate full marks.		
3. Ma	ke sui	table assumptions wherever necessary.		
4. Sta	rt new	question on new page.		
_	_	tive Type Questions - (Each of one mark)	(15)	
1		hich of the following statement is correct?		
		C++ allows static type checking.		
		C++ allows dynamic type checking.		
		C++ allows static member function be of type const.		
	,	Both A and B.		
2		hich of the following is not a type of constructor?		
	•	Copy constructor		
		Friend constructor		
	c)	Default constructor		
	,	Parameterized constructor		
3		ne OOPs concept in C++, exposing only necessary information	on to users or clients is known as	
	b)	1		
	c)	Data hiding		
4	I. W	hich of the following is not the member of class?		
	a)	Static function		
	b)	Friend function		
	c)	Const function		
	d)	Virtual function		
5	5. W	hich of the following is the correct class of the object cout?		
	a)	iostream		
	b)	istream		
	c)	ostream		
	d)	ifstream		

6. Define object.7. What is an array?

10.Class is pass by _

13. What is new operator?

8. The pointer is accessible_____

created without arguments. (True/False)

9. _____ function underlines the feature of Polymorphism in a class.

12. Which access specifier is/are most secure during inheritance?

14.Class with main() function can be inherited (True/False) 15.Which feature can be implemented using encapsulation?

11.Default constructor must be defined, if parameterized constructor is defined and the object is to be

Q.2	Answer the following questions. (Attempt any three)	(15)			
	A) Explain Virtual base class with diagram.				
	B) What is inline function? What are the advantages of making inline function?				
	C)Write a C++ program to find out sum and average using Class.				
	D) What is the use of destructor in C++? Explain with suitable example.				
Q.3	A) Define Polymorphism? Explain function overloading with suitable example.	(07)			
	B) Write a program for swapping two different values with and without third variable.	(08)			
	OR				
	B) Demonstrate the use of static variable with a program.	(08)			
Q.4	A) Differentiate Object Oriented Programming (OOP) and Procedure Oriented Programming (POP).	(07)			
	OR				
	A) What is Call by value and call by reference? Explain with suitable example.	(07)			
	B) Write a program to copy the contents of a file A.txt into another file B.txt.	(08)			