No. of Printed Pages: 5 CST-102 00587 ADIT/BIT PROGRAMME **Term-End Examination** June, 2010 CST-102: COMPUTING: AN OBJECT ORIENTED **APPROACH** Time: 2 hours Maximum Marks: 50 Note: There are two sections in this paper, section A and B. All questions in Section-A are compulsory. Question No. 1 to 10 carry one mark each. Question No. 11 to 14 carry 4 marks each. Answer any two questions from Section-B. Each question of Section-B carries 12 marks. Use C++ wherever necessary. **SECTION - A** C++ is _____: 1 Object Oriented Programming Language (a) Procedure (b) Oriented Programming Language Assembly Language (c) (d) Machine Language

1.

2.	In C++, functions contained with in a class are called				1	
	(a)	Inline function				
	(b)	Member function				
	(c)	Friend function				
	(d)	All of the above				
3.	Specify how many bytes are occupied by long double data type in C++.					
	(a)	1	(b)	2		
	(c)	3	(d)	none of the above		
-						
4.	In a C++ program, expression 11% 3 and 11/3 evaluates to					
	(a)	3 and 3	(b)	3 and 2		
	(c)	2 and 2	(d)	2 and 3		
			•	•		
5.	Wrapping up of data and function into a single unit is known as					
	(a)	Encapsulation	(b)	Abstraction		
	(c)	Polymorphism	(d)	None of the above		

(a)	loop in which it occurs			
(b)	program in which it occurs			
(c)	function in which it occurs			
(d)	none of the above			
•	lefault, member functions and data in classes			
are (a)	protected (b) public			
(c)	private (d) none of the above			
•	ou try to access array element '0' in a 10 element y, the compiler will:			
arra (a) (b)	y, the compiler will: raise error no problem in execution crash the system			

10.	The new operaton					
	(a) returns a pointer to a variable and obtains memory for a new variable					
	(b)	creates a variable new				
	(c)	tell how much memory is available				
	(d)	none of the above				
11.	What do you mean by virtual function? How is it different from pure virtual function?					
12.	What do you mean by term "Command line" programming? How is its main function different from others? Can we do it in C++? What is the utility of such programming style?					
13.	Compare and contrast (any two):					
	(a) Overloading and overriding					
	(b)	Structure and Class				
	(c)	Structure and Union				
14.	dem	n the help of a suitable program in C++, constrate the concept of constructon loading.	4			

SECTION - B

Answer any two questions from the following:

- 15. Explain any six key words of C++. 12
- **16.** What is a Template? Define a template for any class make necessary assumption.
- 17. Write a program in C++ to overload the binary operator + and use it to add two complex numbers.