B.Tech. - VIEP - COMPUTER SCIENCE AND **ENGINEERING (BTCSVI)**

Term-End Examination

June, 2017

Note:	Attempt any seven questions. All questions carr			
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1. (a)	Explain each of the following terms with the help of an example:			
	(i) Abstraction was a square was every			
44	(ii) Encapsulation			
	(iii) Inheritance			
(b)	Write a C++ program to swap the values of two variables without using the third variable.			
2. (a)	What is polymorphism? Explain the various types of polymorphism with the help of example.			
(b)	What is a virtual function? Write a C++ program to explain the operations of virtual function.			
stre	lain the concept of stream class. How are am classes classified? Discuss stream nipulators.			

4.	C++]	is dynamic memory allocation? Write a program to explain the concept of dynamic ory allocation.	10
5.	(a)	Write a C++ program to explain the concept of exception handling, using try, throw and catch.	5
	(b)	Explain the following with an example of each:	5
		(i) Constructor	
		(ii) Destructor	
6.	(a)	Explain operator overloading with the help of a suitable program.	5
	(b)	What is Inheritance? Write the syntax and give an example program.	5
7.	(a)	What is a friend function? Explain with the help of a suitable program.	5
	(b)	What is an inline function? Explain with the help of suitable program.	5
8.	(a)	What are the various characteristics of object oriented language?	5
	(b)	Explain the various features of object oriented programming.	5