(i)	Printed Pages: 2	Roll No.
(ii)	Questions : 9	Sub. Code: 0 9 2 2
		Exam. Code: 0 0 2 8
•	Bachelor of Compu	ter Applications 2nd Semester
		1048
	OBJECT ORIENTED	PROGRAMMING USING C++
		er-BCA-16-204
Time	e Allowed : Three Hour	[Maximum Marks: 65
. Tyote	compulsory quest	stion from each section and the entire ion. All questions carry equal marks. ECTION-A
1.	Object oriented program objects that represent realong with its principal a	eal world entities. Justify this statement advantages.
2.	Discuss the following:	13
	(a) Reference variable	
	(b) Distinguish betwee	en new operator and malloc()
	(c) Default arguments.	
	S	ECTION-B
3.	Why can a friend funct class to which it is frien suitable examples.	tion be not called using the object of the id? Explain its characteristics along with

Demonstrate an instance where operator overloading should (a) 4. be used for string manipulation operations. Write a program to achieve the following - Create a class (b) 'account' to withdraw and deposit money, and to display balance amount. Use constructor to set initial balance. Assume data members and member functions as necessary. SECTION-C Define inheritance. What is the effect of inheritance on the visibility 5. of members? Explain the concept of hybrid inheritance with a 13 program. How can we execute different versions of the same function with 6. respect to polymorphism? What are the implications of making 13 a virtual function pure? SECTION-D Describe the exception handling mechanism with a practical example. 7. 13 When do we use multiple catch handlers? Distinguish between opening a file using constructor and using 8. open () method. List the stream classes for file operations. 13 SECTION-E (Compulsory Question) 3 Inline functions 3 Operators that cannot be overloaded (b) 3 Nesting of classes (c) 4 Conversion from user to basic defined type. (d) 4000