

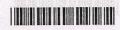
III Semester B.C.A. Degree Examination, November/December 2016 (CBCS) (2015-16 and Onwards) COMPUTER SCIENCE

BCA 303 : Object Oriented Programming using C++

Max. Marks: 70 Time: 3 Hours "sint" prior to slow returns our entire to show the sint of the

	Instruction: Answerall Sections.	
	SECTION - A	
1.	Answer any ten questions. 1) State any four differences between C and C++. 2) Why do we require const qualifier give example 3) What is scope resolution operator?	notional entini malqx (10×2=20)
with the state of	 4) What is default constructor? 5) What is the role of EOF? 6) What is class template? 7) Explain Dynamic Binding. 8) Define pure virtual function. 9) Define stream. 10) What is the use of file pointer? 11) Define Exception Handling. 12) What is destructor? Explain. 	b) Storage classes c) Seekg () and seekp d) Vinual Base class:
	SECTION-B	
11.	Answer any five questions: 13) a) Explain the characteristics of oops. b) Describe any three Manipulators.	(5×10=50) 5

. Ar	nswer any five questions:	(5×10=50)
13)	a) Explain the characteristics of oops.	5
	b) Describe any three Manipulators.	5
14)	a) Explain function overloading with example.	5
	 b) Write a program to perform addition of two matrices using operator overloading. 	5
		P.T.O.



8) Define pare virtual functions

15)	a) What are access specifiers used for ? Explain the concept of protected	
	access specifier.	5
	b) Write a note on class templates.	5
16)	a) What are default arguments? How they are passed to functions?	5
	b) Write a program to show returning current object using "this" pointer?	5
17)	a) Explain different types of polymorphism?	5
	b) Write a program to swap two numbers using friend function.	5
18)	Explain different types of inheritances with example.	
19) a) Explain inline function and illustrate the same with an example?		5
	b) Write a program to calculate area and circumference of circle using inline	
	function.	5
20)	Write short note on :	10
	a) Data Hiding	
	b) Storage classes	
	c) Seekg () and seekp () functions	
	d) Virtual Base class.	
	7) Explain Dynamic Binding	

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