END TERM EXAMINATION

THIRD SEMESTER [BCA] NOVEMBER-DECEMBER 2018

1	Paper Code: BCA-209	STER BCA NOVEMBER-DECEMBER 20	018
T	ime: 3 Hours	Subject: Object Oriented Program	mina Usina C++
	Note: Attempt any five	questions in a 1	imum Marks: 75
	Selec	Max questions including Q.No1 which tone question from each unit.	is compulsory.
Q1	Answer the following:- (a) Explain data hiding ar (b) Compare the features (c) Explain the features of (d) Give the syntax of definition of the features (e) Explain various types	nd encapsulation with an example. of C and C++. If macros and inline functions. ning a class. of inheritance. of early binding and late binding. ass with an illustration. generic programming.	(10x2.5=25)
	oriented programming (c) Explain the features of i. C++ Compilers ii. Testing a C++ pro	ogram	(4) used in object (4.5) (4)
	out standa	rd libraries used in C++.	(4) (4)
Q4 (a (b (c	constructor and copy constructor and construct construction. i. Abstract class and ii. Data members and iii. This pointer	meta al-	or, parametric (4.5) (3.5) (4.5)
Q5 (a) (b) (c)		OR ing with an example. actors and destructors in C++. astrate the following:-	(4) (3.5) (5)
		UNIT-III	
		lustrate the following: (i) overloading g of member functions. strate virtual functions. e aggregation and composition.	of member (6) (4.5)
		OR	80 m

Q7	(a) (b) (c)	inheritance.	elated to (4.5) ample.(3) (5)
Q8	(a)	Write a C++ program to illustrate the following stream functions: is_get() and put().	open (),
	(b) (c)	Write a C++ program to illustrate overloading of template functions. Explain the features of persistent objects. Give an example.	(5) (4) (3.5)
Q9	(a) (b) (c)	Give the syntax of write () and read () functions using in file streams. Explain the template functions with an example. Write a C++ program to illustrate try, throw and catch statements.	(4) (4) (4.5)
