



Bachelor of Science (B.Sc.) Semester-II (C.B.S.) Examination

COMPUTER SCIENCE

(Object Oriented Programming Using C++)

Compulsory Paper-1

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Tim	e : Tl	nree Hours] [Maximum Marks	: 50
N.B	. :—	(1) All questions are compulsory and carry equal marks.	
		(2) Draw neat and labelled diagrams wherever necessary.	
		HER	
1.		Explain features of object oriented programming.	5
	. ,	What is an object ? How are objects created ? Explain.	5
	OR		
		Explain defining member functions inside and outside the body of class.	5
	(d)	Write short note on static data member.	5
_		HER	_
2.		Write a program to demonstrate overloading of binary operator "+".	5
		Explain default constructor with example.	5
	OR		_
		What is copy constructor? Write a program to demonstrate the use of copy constructor.	
		Write a program to demonstrate overloading of unary minus.	5
2		HER List types of inhoritones. Explain any one	5
3.		List types of inheritance. Explain any one. Explain memory management operators: new and delete.	<i>5</i>
	OR		3
		What is array of objects? Explain with a suitable example.	5
		What is Inheritance? Explain multilevel inheritance.	5
		HER	3
4.	(a)	Explain the role of virtual functions in polymorphism with suitable example.	5
	` /	What is an exception? How are exceptions handled in C++?	5
	OR	1	5
		What do you mean by fault tolerance? Discuss fault tolerant design techniques.	5
	. ,	Explain uncaught exception with an example.	5
5.	` '	empt all:	5
3.		•	21/
	(i)	Write a note on access specifiers.	2½
	. ,	List operators that are not overloadable.	2½
	. ,	Explain the concept of "this" pointer.	2½
	(iv)	Write a note on Abstract Class.	$2\frac{1}{2}$

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