rtmnuonline.com

## Bachelor of Computer Application (B.C.A.) Semester—II Examination PROGRAMMING IN C++

## Paper—I

Tim	e:T	hree 1	Hour	[Maximum Marks :	50		
	N.B	s <b>.</b> :—	(1)	All questions are compulsory and carry equal marks.			
			(2)	Illustrate your answer with suitable diagram wherever necessary.			
	EIT	HER					
1.	(A)	Wha	What is the purpose of static data member ? Explain with example.				
				program to implement class :—			
		(i)	Dat	a Members :			
			(a)	Name of cricket Player.			
			(b)	Score in last two matches.			
		(ii)	Mei	mber Functions:			
			(a)	To assign initial values.			
			(b)	To compute total and average score.			
			(c)	To display data.			
		Give	e the	definition of display ( ) function outside the class.	5		
	OR						
	(C)	Expl	lain 1	features of OOP's.	5		
	(D)	Writ	e the	syntax for inline; function explain inline function with suitable example.	5		
	EIT	HER					
2.	(A)	Wha	nt is	copy constructor ? Demonstrate it with suitable example.	5		
	(B)	What is unary operator ? Write down unary operator overloading function with a suitable					
		exan	nple.		5		
	OR						
	(C)	Writ	te do	wn the rules of operator overloading. List the operators which cannot be overload			
	<b>(D)</b>	3371	, •		5		
	` '	wna <b>HER</b>		constructor? Explain constructor with default arguments with an example.	5		
3.				this pointer? Write a program to illustrate the use of 'this' pointer.	5		
٥.	` ′			visibility mode? What are different inheritance visibility modes? Give an example.	5		
	OR						
	(C)	Expl	lain <sub>J</sub>	pointer to objects. Write a program to illustrate it.	5		
	(D)	What is inheritance? List the types of inheritance. Explain any one inheritance with					
		exan	nple.		5		

## **EITHER**

4.	(A) What is virtual function? Write a program to demonstrate use of virtual function.				
	(B) What is Exception Handling? Explain handling uncaught exception.	5			
	OR				
	(C) What is a fault? Explain fault tolerant design techniques.	5			
	(D) Explain pure virtual function. Give an example.	5			
5.	Attempt All :—				
	(A) Explain class and object.	21/2			
	(B) What is constructor overloading?	21/2			
	(C) Explain the following:				
	(i) New operator				
	(ii) Delete Operator.	21/2			
	(D) Write a note on abstract class.	21/2			
	(ii) Delete Operator.  (D) Write a note on abstract class.				

WWW.Hattatilonline.com