EAT I			— SARDAR PATEL  M.Sc.IT ( Se CINT22: Advanced Programm	m- 1	NC)	:	
Date: Thur		4-201	Time: 2.00	) pm	– 5.00 pm Marks: 70		
Q-1		Sele	et the correct option.		. 8		
	(1)	is the operator of C++ is the same as "scanf()" function used in C.					
		Α	cin	В	cout		
		C	cprintf	D	None of these		
	(2)		access private & protected				
		men A	nbers of some other class. friend function	В	virtual function		
		С	operator function .	D	pure virtual function		
	(3)	Crea	ating a new class using one or mo	ore ex	kisting classes is known as		
		Ā	Polymorphism	В	Encapsulation		
		С	Inheritance	D	Data Hiding		
	(4)	Ву	default, main( ) in C++ returns _				
		Α	void	В	int		
		С	char	D	float		
	(5)	Stac	ck is data structure.				
		A	Linear	В	Non linear		
		С	Both A & B	D	None of the these		
(6) In row major order, elements of matrix ar basis.					e stored on a		
		Ā	Row by Column	В	Column by Column		
		С	Column by Row	D	Row by Row		
	(7)		of a node is the imme	diate	predecessor of a node.		
		A	Leaf	В	Child		
		С	Parent	D	Grand Parent		
	(8)	Α_	is a collection of inform	natior	i items about a particular entity.		
		Α	Record	В	Database		
		С	Entity	D	Field		

[P.T.O.]

Q-2		Do as directed. (ATTEMPT ANY SEVEN)	14
	(1)	Define with an example: Data Member and Member function.	
	(2)	List out names of operators that cannot be overloaded in C++.	
	(3)	Difference between Constructor & Destructor	
	(4)	Explain: cin and cout with example.	
	(5)	What do you mean by row-major order and column major order?	
	(6)	Describe the use of private access specifier.	
	(7)	Differentiate between B tree and B+ tree.	
	(8)	What is Data structure? List their application area.	
	(9)	Define with an example: Field and Record.	
Q-3	A	Explain Polymorphism with an example.	6
	В	Write a note on Default Constructor.	6
		OR	
	В	Explain in brief: Friend Class.	6
			4
Q-4	A	List out advantages of OOPs.	6
	В	Write a note on new and delete operator used in C++.	0
		OR .	4
	В	Discuss inorder, preoder and postorder traversal of binary tree with an example.\(^1\)	6
Q-5	A	Write an algorithm for PUSH and POP operations STACK data structure.	6
	В	What is an Inheritance? List out forms of Inheritance. Explain ANY ONE of them in detail.	6
		OR	
	В	What is an Operator Overloading? List out their types. Explain ANY ONE of them in detail.	6
Q-6	A	Explain ANY TWO Hashing functions with example.	6
	В	Write a note on Inverted List.	6
		OR	
	В	Write a note on Multi List.	6