## 6429 - C04 - IIIS BSc (CS) - N - 19

## THIRD SEMESTER B.Sc. (CS) DEGREE EXAMINATION, NOVEMBER 2019 OOP'S USING C++

Time	3 Hours	Mon M.
	Answer any five full questions.	[Max. Marks: 80
I. a	What is OOP and explain its characteristics.	
 b	Explain data abstraction and encapsulation.	
c	Explain cin and cout with example.	8 + 4 + 4 = 16
II. a	Explain inline function with an example.	0 + 4 + 4 = 16
b		
С	Explain new and delete operators with syntax.	6 + 6 + 4 = 16
III. a	Write a C++ program to demonstrate stack operation.	
b	What is friend function? Explain with example.	
c)	What is constructor?	8 + 6 + 2 = 16
IV. a)	What is type conversion? How to convert from class type to basic data t	type.
b)	Write a program to add two matrices using (+) operator overloading.	8 + 8 = 16
V. a)	Explain the following:	
	i) Single inheritance	
	ii) Multiple inheritance	
	iii) Multilevel inheritance.	8 + 8 = 16
, b)	- Private paone protection	
VI. a)	•	
b)	on plant class template with champs	6 + 8 + 2 = 16
c) Vir	- nat is exception;	
VII. a	program to sort un accep	8 + 8 = 16
b) Viii s	- calle life. Exhigin any fair file oberations.	
a a	Vrite short notes on any four:	
b	scope resolution operator	
c	Sciault argument	
. d	Difference between C and C++	
e	Stream class	$4\times 4=16$
f	Overriding function.	
R.		