## FYIT/SEM II/REG/Object Oriented Programming with C++

Time: 2½ hrs.			Marks:75
Note:		1. All questions are compulsory with internal choice.	
		2. Draw neat diagrams wherever necessary.	
		3. Figures to the right indicate full marks.	
Q.1	Answer the following (any <u>THREE</u> )		(15)
	(a)	(a) Explain the characteristics of OOP.	
	(b)	Write a note on data types used in C++.	
	(c)	Explain relational and logical operators used in C++.	
	• •	Write a C++ program to find the greatest number among three.	
	•••	Write a C++ program to print sum of 1 to 10 numbers using loop.	
	(f)	Explain if-else statement with suitable example used in C++.	
Q.2			(15)
	~	Answer the following (any <u>THREE</u> )	(15)
	(a)		
	(b)		
	(c) (d)		
	(u)	member functions.	
	(e)		
	(f)	Write a C++ program to demonstrate friend function.	
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<b>Q.3</b>		Answer the following (any <u>THREE</u> )	(15)
	(a)		
	(b)		
	(c)		
	(d)	Write a C++ Program to design a circle class and define pi=3.142 using	<i>f</i>
		constructor.	
	(e)	Explain virtual function with suitable example.	
	(f)	Explain the types of constructor.	
Q.4		Answer the following (any <u>THREE</u> )	(15)
	(a)	Which classes are used for the file manipulation?	
	(b)	Explain the functions used for file management.	
	(c)	What is template? Write its syntax.	
	(d)	Write a C++ program to read and write data in file.	
	(e)	How command line arguments is suitable for run time input data?	
	(f)	Explain binary file with suitable example.	
Q.5		Answer the following (any <u>THREE</u> )	(15)
	(a)	Which are the standard template libraries?	
	(a) (b)	•	
	(c)		
	(d)		
	(e)		
	(f)	Which are the new data types of ANSI C++.	
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