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P.T.O.

S.E. (Computer) (First Semester) EXAMINATION, 2019 OBJECT ORIENTED PROGRAMMING

(2015 PATTERN)

Time : 2 Hours Maximum Marks : 50

N.B. := (i) Answer Q. 1 or Q. 2, Q. 3 or Q. 4, Q. 5 or Q. 6 and Q. 7 or Q. 8.

- (ii) Neat diagrams must be drawn wherever necessary.
- (iii) Figures to the right indicate full marks.
- (iv) Assume suitable data, if necessary.

SECTION I

			SECTIONI	
	Q1)	a)	What are inline functions? What are their advantages? Give an example.	[6]
	(-)	b)	What do you mean by constructor and destructor? Write appropriate C++ program	[6]
		-,	which uses copy constructor	
			OR	
	Q2)	a)	What is Multiple Inheritance? What is the ambiguity in Multiple inheritance? Give	[6]
	` /	,	suitable example to demonstrate Multiple inheritance	
		b)	Explain the use of explicit and mutable keywords with suitable examples	[4]
		c)	What is abstract class? Give suitable example	[2]
	Q3)	a)	What is Friend Function? Explain with suitable example	[4]
	. ,	b)	Compare and contrast memory allocation and deallocation using new, delete	[4]
		c)	What is the concept of function pointers? Give suitable example in C++	[5]
		,	OR	
	Q4)	a)	Explain class template and function template with an example	[4]
	()	b)	What is Exception Handling? Explain How exception is handled in case of	[6]
		ĺ	constructor and destructor with Example	
		c)	Why we need templates in C++?	[3]
				F 67
	Q5)	a)	Write a program using the open(), eof() and getline() member functions to open and	[6]
			read file content line by line	[7]
		b)	What are the various functions to manipulate the file pointers? Explain with the	[7]
			help of Suitable examples	
•	0.0	,	OR VII 4 Program that returns size in	[10]
	Q6)	a)	What are command line arguments in C++? Write a program that returns size in	[10]
		1.)	bytes of a file Provided as command line argument. Compare between early binding and late binding	[3]
		b)	Compare between earry binding and rate binding	[Օ]

