Total No. of Questions—8] [Total No. of Printed Pages—2		
Se No		[5252]-565
S.E. (Computer) (I Semester) EXAMINATION, 2017		
OBJECT ORIENTED PROGRAMMING		
(2015 PATTERN)		
Time	e : T	wo Hours Maximum Marks : 50
<i>N.B.</i>	:—	(i) Answer question $1$ or $2$ , $3$ or $4$ , $5$ or $6$ and $7$ or $8$ .
		( <i>ii</i> ) Neat diagrams must be drawn wherever necessary.
		(iii) Figures to the right indicate full marks.
		( <i>iv</i> ) Assume suitable data if necessary.
1.	( <i>a</i> )	What is class and object ? Differentiate between class and
		object. [6]
	( <i>b</i> )	Write a program which uses default constructor, parameterized
		constructor and destructor. [6]
		Ör
2.	( <i>a</i> )	Discuss the ways in which inheritance promotes software reuse,
		saves time during program development and helps prevent
		errors.
	( <i>b</i> )	When would you choose to use C rather than $C++$ ? [4]
	( <i>c</i> )	What is the use of this pointer ? [3]
3.	( <i>a</i> )	Write a program to find the sum of an array Arr by passing
		an array to a function using pointer. [4]
	( <i>b</i> )	Differentiate compile time and run time polymorphism. [4]
	( <i>c</i> )	What is difference between pointer and references ? Explain
		using program. [4]
		P.T.O.

## Or

- **4**. (*a*) Explain public, private and protected keywords using program.[6]
  - Explain what is type casting, Implicit type casting and explicit (b)type casting. [6]
- 5. (a)What is a Stream ? Explain types of streams available in C++ [6]
  - What is generic programming ? How is it implemented in C++ ?[7] (b)Or
- Explain Command line arguments in C++. Write program to **6**. (a)explain the same. [6]
  - What are various functions which are used to manipulate file (b)pointers ? Explain using examples. [7]
- What is the purpose of (1) Container (2) Algorithms and 7. (a)(3) Iterators. [6]
  - What is the STL ? Why should a C++ programmer be interested (b)in the STL ? What is the design philosophy of the STL ? What are the major components of the STL ? [7]Or
- 8. Use minimum 8 functions of Deque STL. Write a program (a)to explain the same. [6]
  - rusir. (b)What is a stack ? How is it implemented using STL ?[7]

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