Total No.	of Questions—8] [Total No. of Printed Page	ges— <b>2</b>
Seat No.	of Questions—8] [Total No. of Printed Page [5352]-	575
S.E. (Infor	mation Technology) (First Semester) EXAMINATION,	2018
PROBLEM	rmation Technology) (First Semester) EXAMINATION,  I SOLVING AND OBJECT ORIENTED PROGRAMI  (2015 PATTERN)	MING
	(2015 PATTERN)	
Time : T	wo Hours Maximum Marks	: 50
<i>N.B.</i> :- (	Solve Question Nos. Q. 1 or Q. 3, Q. 3 or	Q. <b>4</b> ,
	Q. 5 or Q. 6, Q. 7 or Q. 8.  Neat diagram must be rawn wherever necessary.  Figures to the right indicate full marks.	
(i	v) Assume suitable data, in necessary.	150
<b>1.</b> (a)	What are types of problems? What are difficulties with problems?	ب بي بي آ
( <b>b</b> )	What are operators? Explain different types of operators?	Draw
	table for knerarchy of operator.  Or  Explain Local and global variable parameters.  Create the alogrithm and the floxobart to find the percentage.	[6]
<b>2.</b> (a)	Explain Local and global variable parameters.	[6]
( <b>b</b> )	Create the alogrithm and the flowchart to find the percentage.	entage
	(%) of all the students in a lass using repeat until	loop.
	(%) of all the students in a lass using repeat until	[6]
	15. P.	P.T.O.

3.	(a)	Explain features of object rented programming in detail.	[6]
	( <b>b</b> )	Explain friend function and friend class. Give syntax for sar	ne.
		2.50	[6]
		Explain need of operator overloading. Write C++ program	()
4.	(a)	Explain need of operator overloading. Write C++ program	to
		demonstrate any binary operator overloading.	[6]
	( <b>b</b> )	How is memory management carried out in C++ Write syn	tax
		for the same.	[6]
<b>5</b> .	(a) 🔨	Explain Abstract Base Class in details.  Explain multiple inheritance with 54+ program.	[6]
	(A)	Explain multiple inheritance with C++ program.	[7]
	•	De lois	
6.	(a)	What are virtual function and virtual destructor ?	[6]
		How is concept of interitance useful in object oriented programm	
	( <b>b</b> )	language ? Explain trace of inheritance	111g 5
		language? Explain types of inheritance.	
		, b.	
7.	(a)	Which Classes are used file stream operations? Explain	in
		detail.	[6]
	( <b>b</b> )	detail.  Explain Exception Handling mechanism in the exception of the catch multiple Exceptions in Program.	ıow
		to catch multiple Exceptions in Program.	[7]
		to catch multiple Exceptions in Program.  Or  Explain Namespaces. What are rules in namespaces?	
8.	<b>(a</b> )	Explain Namespaces. What are rules namespaces?	[6]
	( <i>b</i> )	Explain Namespaces. What are vales for namespaces?  How to manage console I/O operations?	[7]
		Q.	
[5352]-575			
		$\mathcal{Q}^{\hat{N}}$	
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