Р.Т.О.	to Object Oriented I	(2) Data abstraction and Information-Hiding with reference	lat	07	to overload ">>" operator using friend function. [6]	(b) What are characteristics of friend function? Write a code	(2) Class as ADTs	(1) Array of objects	Programming: [6]	(a) Explain the following concepts related to Object Oriented		(iv) Assume suitable data if necessary.	(iii) Use of calculator is allowed.	(ii) Figures to the right side indicate full marks.	:- (i) Neat diagrams must be drawn wherever necessary.	: Two Hours Maximum Marks : 50	(2012 PATTERN)	OBJECT ORIENTED AND MULTICORE PROGRAMMING	S.E. (Computer) (Second Semester) EXAMINATION, 2017	Seat [5252]-167	otal No. of Questions—8] [Total No. of Printed Pages—3
[5252]-167	(<i>b</i>)					5. (α)			(0)	(4)		4. (a)				(b)			3. (a)		(6)
2 210	Describe scheduling and managing policy of thread with to multithreading environment	(4) User level thread.	(3) Hybrid thread	(2) Software thread	(1) Hardware thread	Explain the following :		these systems?	Systems? What are challenges of software development with	What do not make Multipers and Multipers	Managing Console I/O Operations ?	What are difference streams operators supported by C++ for	000		(1) Pure Virtual Functions	What is importance of :	(2) Early and Late binding	(1) Virtual destructors	Explain with suitable examples :	 Function prototypes Default and constant arguments. 	Explain with suitable examples:
	respect [5]					[8]	09	[6]	t with		[8]	++ for				[6]			[6]		[6]

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	(3)	(2)	(1)	Wri			(b)		(a)		(<i>b</i>)		(a)	
3/0.2/2 00/2/00/45:00		POSIX Semaphore	Message Queue	Write short notes on:	WILLIE CLEANING A THANKS OF THE COLOR OF THE	15] this constinct a multithreaded application?	What are different thread strategy approaches that can be used	read-write-locks to prevent race conditions and deadlocks. [8]	What do you mean by race conditions and deadlock? Explain use of	and differences between thread and process? [5]	What do you mean by context switch? What are similarities	code. [8]	Explain method of thread creation and joining with suitable	

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[5252]-167