memory access.

SEAT NO.:	
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S.E. 2012 (Computer) Object Oriented and Multicore Programming (Semester - II)

Instru 1) 2) 3)	Neat Figur Use o	Tours Max. Max. Max. Max. Max. Max. Max. Max.	Marks: 50
Q1)	a)	Define the following terms 1. Class 2. Static data member 3. Inline function	[8]
	b)	4. Member access control Explain virtual destructor with example.	[4]
Q2)	a)	OR What is operator overloading? Write a program to overload 1. Operator + for concatenation of two strings 2. Operator >> for reversing a given string 3. Operator << for displaying a given string	[8]
	b)	What is static member function? Give a example for the same	[4]
Q3)	a)	Explain following 1. Generic Programming 2. RTTI 3. Early binding and late binding	[9]
	b)	What are core operating system services? OR	[3]
Q4)	a) b)	How to handle multiple exceptions occurred in a program? What is POSIX_SPAWN () function? How to create a child process using POSIX_SPAWN () function? Explain with example	[5] [7]
Q5)	a)	Explain following: 1. Hardware thread 2. Software thread 3. Hybrid thread 4. User level thread	[8]
	b)	Explain contention scope of a thread	[5]
OR			
Q6)	a) b)	Explain method of thread creation and joining with suitable code. Explain scheduling policies of a thread.	[8] [5]
Q7)	a)	Explain different PRAM models with respect to concurrent and exclusive	[5]

b)	Explain following	[8]	
	1. POSIX semaphore		
	2. MUTEX semaphore		
		With their respective operations	
		OR	
Q8)	a)	What are MUTEX attribute object functions?	[5]
	b)	Explain thread strategy approach.	[8]

