

MCA I Year II Semester Subject Code: 24MCA2012 JAVA Programming Lab

Contact Hours	Session No.	Experiment No.	Topic Description	Teaching Methodology	Remarks
1-3	1	1	Recursive and Non-Recursive Fibonacci Implementation	Lab Practice	
4-6	2	2	Prime Numbers up to a Given Integer	Lab Practice	
7-9	3	3	String Palindrome Check	Lab Practice	
10-12	4	4	Abstraction and Encapsulation	Lab Practice	
13-15	5	5	Multiple Inheritance using Interface	Lab Practice	
16-18	6	6	Method Overloading, Overriding, Covariant Return Types	Lab Practice	
19-21	7	7	Run-Time Polymorphism	Lab Practice	
22-24	8	8	Creating and Demonstrating Java Packages	Lab Practice	
25-27	9	9	Importing Classes from User-Defined Packages	Lab Practice	
28-33	10	10	Exception Handling: Predefined and User-Defined Exceptions	Lab Practice	
34-36	11	11	Thread Lifecycle Demonstration	Lab Practice	
37-42	12	12	Thread Priorities and Thread Management	Lab Practice	