

MCA I Year II Semester Subject Code: 24MCA2013 python programming lab

Contact Hours	Experiment No.	Topic Description	Teaching Methodology	Remarks
1–3	1	a) Factorial Calculation b) Print Prime Numbers Below n	Lab Practice	
4–6	2	a) Armstrong Number b) Strong Number c) Fibonacci Series	Lab Practice	
7–9	3	a) Remove characters with odd index b) Count character types in a string	Lab Practice	
10–12	4	a) Convert list to nested dictionary b) Remove duplicates from list	Lab Practice	
13–15	5	a) HCF/GCD b) Sum of natural numbers using recursion	Lab Practice	
16–18	6	Read file, print unique words in alphabetical order	Lab Practice	
19–21	7	Define module for Fibonacci, import to another program	Lab Practice	
22–24	8	Import specific function from user-defined module	Lab Practice	
25–30	9	Class Shape and subclass Square with area method	Lab Practice	
31–36	10	Validate password using regular expressions	Lab Practice	