

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***MCA DEGREE END SEMESTER THEORY EXAMINATIONS, NOV /DEC 2024***First Semester**Master of Computer Applications***PMCT2403 / MC4103 - Python Programming***Regulations – 2021 & 2024**Duration : 3 Hrs**Maximum : 100 Marks***PART – A (ANSWER ALL QUESTIONS) (Marks 10*2=20)**

<i>Q.No</i>	<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
1.	What is an expression in python?	RE	1	2
2.	How to define variables?	RE	1	2
3.	What are tuples and sets in python?	RE	2	2
4.	Define string in python.	RE	2	2
5.	How to get the file path directory in python?	RE	3	2
6.	How do you get the position of a file in python?	RE	3	2
7.	What is data visualization in python?	UN	4	2
8.	What are the python libraries are commonly used for data mining?	UN	4	2
9.	Define class in python.	RE	5	2
10.	What is meant by method in python?	RE	5	2

PART – B (ANSWER ALL QUESTIONS) (Marks 5*13 = 65)

<i>Q.No</i>	<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
11.	a i Difference between While Loop and For Loop in python programming.	UN	1	7
	ii How to create function call and returning value in python.	CR	1	6
	Or			
	b i Briefly discuss about operator precedence in python.	AN	1	6
	ii Explain about recursive functions in python.	EV	1	7
12.	a i How to create a module and execute in python.	CR	2	7
	ii Discuss about list with an example.	AP	2	6
	Or			
	b i Explain about python standard libraries with suitable example.	UN	2	6
	ii How to make a dictionary in python? Explain.	RE	2	7
13.	a i What is error and its types in python? Discuss.	RE	3	6
	ii How to open and close file in python? Explain.	AN	3	7
	Or			
	b i Write short note on multiple exceptions in python.	AN	3	7
	ii How to reading and writing files in python?	RE	3	6

14.	a	i	Discuss about package structure in python.	EV	4	6
		ii	What are modules and why do we use them? Explain.	AN	4	7
			Or			
	b	i	Briefly discuss about Django and Flask in python.	EV	4	7
		ii	Write short notes on Web2P in python.	CR	4	6
15.	a	i	Discuss about class inheritance in python with suitable example.	AP	5	7
		ii	What is the difference between method and class method in python?	UN	5	6
			Or			
	b	i	Explain about object persistence in python.	AP	5	6
		ii	Briefly discuss about encapsulation and polymorphism in python?	EV	5	7

*PART – C (Marks 1*15 = 15)*

<i>Q.No</i>	<i>Questions</i>		<i>BLT</i>	<i>CO</i>	<i>Marks</i>	
16.	a	i	Explain about iterative statements with suitable example.	RE	1	8
		ii	How to create package in python? Give one suitable example.	AN	2	7
		Or				
	b	i	Discuss about exception handling in python programming.	AP	3	8
		ii	Write short note on NUMPY, Pandas and Matplotlib in python.	CR	4	7