

Reg. No.:



Name:

University of Kerala

U9290

Second Semester FYUGP Degree Examination, April 2025

Multi-Disciplinary course

COMPUTER SCIENCE

UK2MDCCSC104 - Data Science using Python

Academic Level: 100-199

Time: 1 Hour

Max. Marks: 28

Part A ,4 Marks ,Time 5 Minutes (Cognitive Level :Remember(RE)/Understand(UN))Objective Type 1 mark each, Answer all questions

Qn No.	Question	CL	CO
1	Memorize the keyword used to exit a loop in Python.	RE	1
2	List any two string formatting methods.	RE	2
3	Identify the purpose of the return statement in a function	UN	3
4	Identify the function used to reshape a Numpy array.	UN	4

Part B ,8 Marks ,Time 15 Minutes (Cognitive Level :Understand(UN)/Apply(AP))Short Answer 2 marks each, Answer all questions

Qn No.	Question	CL	CO
5	Distinguish between '=' and '==' operators in Python	UN	3
6	Identify any two applications of data science	UN	4
7	Illustrate with an example the working of if else statement in Python	AP	1
8	Illustrate any one built in list method with a suitable example	AP	2

Part C ,16 Marks ,Time 40 Minutes (Cognitive Level :Apply(AP)/Analyse(AN)/Evaluate(EV)/Long Answer 4 marks each, Answer all questions choosing among options* within each question

Qn No.	Question	CL	CO
9	A) Demonstrate any two ways to access values in a dictionary OR B) Demonstrate with an example how to modify elements in a Dictionary	AP	3, 3

Qn No.	Question	CL	CO
10	A) Compare the functionalities of the pop() and remove() methods in lists. OR B) Compare and contrast different types of Logical Operators in Python	AN	2, 1
11	A) Outline some commonly used aggregate functions OR B) Use a dictionary to store student names and their marks and then display the dictionary	EV	4, 3
12	A) Create Python code to sort a NumPy array in Ascending order OR B) Write a Python program to display Even numbers from 2 to 100 using range() function	CR	4, 1