

Reg. No.:



Name:

University of Kerala

U8727

Second Semester FYUGP Degree Examination, April 2025

Discipline Specific Core Course

COMPUTER SCIENCE

UK2DSCCSC101 - Python Programming

Academic Level: 100-199

Time: 1 Hour 30 Minutes(90 Mins.)

Max. Marks: 42

Part A. 6 Marks.Time:6 Minutes.(Cognitive Level:Remember(RE)/Understand(UN)) Objective Type. 1 Mark Each.Answer all questions

Qn No.	Question	CL	CO
1	Identify the empty statement in python	RE	3
2	The base class of all user defined exceptions is	RE	4
3	Express the use of “__init__()”	UN	4
4	Name the function used to convert an integer to a string in Python.	UN	2
5	State the role of Lambda	UN	3
6	Identify how pseudocode differs from source code.	UN	1

Part B.8 Marks.Time:24 Minutes.(Cognitive Level:Understand(UN)/Apply(AP))Short Answer. 2 marks each.Answer all questions

Qn No.	Question	CL	CO
7	Distinguish algorithms and pseudo code with an example	UN	1
8	Describe the purpose of a constructor with example code	UN	4
9	Demonstrate list and tuple..	AP	2
10	Sketch a code that illustrate the use of break and continue	AP	3

Part C. 28 Marks.Time:60 Minutes (Cognitive Level:Apply(AP)/Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer.7 marks each.Answer all 4 Questions choosing among options * within each question

Qn No.	Question	CL	CO
11	A) Discuss built-in List functions with example OR B) Illustrate the steps for creating functions with example.	AP	2, 3
12	A) Explain comments with example OR B) Examine different types of name spaces and scope of variables and objects	AN	1, 4
13	A) Categorize functions based on arguments and use suitable examples. OR B) Assess the effectiveness of anonymous functions with relevant example.	EV	3, 3
14	A) Create a Python function that modifies a global variable inside a function using the global keyword. Display the updated value after the function call.	CR	4, 4

Qn No.	Question	CL	CO
	OR B) Create a module named string_utils.py that contains a function to count the number of vowels in a given string. Also, write a script to import and use this module.		