25900046

Reg.No : ....

Name : ....

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

MGU-UGP (HONOURS) REGULAR EXAMINATION MARCH 2025

SECOND SEMESTER

Discipline Specific Core Course (DSC) - MG2DSCCSC100, MG2DSCECC101
- PYTHON PROGRAMMING

(2024 ADMISSION ONWARDS)

Duration: 1.5 Hours   **Maximum Marks: 50**

Remember(K), Understand(U), Apply(A), Analyse(An), Evaluate(E), Create(C), Skill(S), Interest(I) and Appreciation(Ap)

Students should attempt at least one question from each course outcome to enhance their overall outcome attainability.

Part A

Very Short Answer Questions

Answer all questions

Each question carries **2** marks

1.	What does it mean when we say Python is an interpreted language?	[K] / [CO1]
2.	Define Continue Statement.	[K] / [CO2]
3.	Explain the purpose of the close() method in file handling.	[U] / [CO3]
4.	Write an example of tuple unpacking.	[U] / [CO3]
5.	Define built-in functions. List 2 examples.	[K] / [CO3]

[2x5 = 10]

Part B

Short Answer Questions

Answer any **5** questions

Each question carries **5** marks

6.	How do you create a string in Python?	[U] / [CO1]
7.	How can we read multiple inputs from a user in Python?	[K] / [CO1]

8. Explain the concept of while loop statement.　　　　　　　　　[U] / [CO2]

9. Write Python script to test whether a given year is leap year or not　　　[U] / [CO2]

10. Explain the importance of closing a file after performing file operations.　[U] / [CO3]

11. Write Python script to create a Dictionary and find the number of　　　[A] / [CO3]
elements in it.

12. Explain insert() and remove() methods of list with suitable examples of　[U] / [CO3]
each.

[5x5 = 25]

Part C

Essay Questions

Answer any **1** questions

Each question carries **15** marks

13. Discuss the operators used in Python. Explain with example　　　　[U] / [CO1]

14. Explain the concept of lists in Python. Discuss different ways to create a　[U] / [CO3]
list with examples. Explain at least five basic list operations and
describe the list() function with relevant examples.

[15x1 = 15]