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

[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 list with examples. Explain at least five basic list operations and describe the list() function with relevant examples. [U] / [CO3]

[15x1 = 15]