K26P 0073

Reg. No. : ....

Name : ....

I Semester M.C.A. Degree (C.B.S.S. – Reg./Supple./Imp.) Examination, November 2025
(2022 Admission Onwards)
MCA1C03 : PYTHON PROGRAMMING

Time : 3 Hours

Max. Marks : 60

SECTION – A

Answer **all** questions. **Each** question carries two marks.

(10×2=20)

1. What is the significance of keywords and identifiers in Python ?

2. Write note on membership operators in Python and give an example.

3. What is the output of len({1,2,2,3,4}) ? Also give the reason.

4. Write a Python statement to read a single line from a text file.

5. Define the term "anonymous function".

6. List any four methods of the string class.

7. What is meant by exception handling ?

8. Differentiate between mutable and immutable objects.

9. Write the syntax of the for loop in Python.

10. Mention any four characteristics of Python programming language.

P.T.O.

SECTION – B

Answer **all** questions. **Each** question carries **eight** marks. (5×8=40)

11. A) Explain the structure and execution of a Python program.

     OR

    B) Describe the role of tokens in Python with examples.

12. A) Explain different types of conditional statements in Python with syntax and examples.

     OR

    B) Describe various ways to define and call user defined functions in Python with an example.

13. A) Explain tuple operations and their advantages over lists.

     OR

    B) Write notes on sets, their methods and use cases.

14. A) Explain about regular expressions in Python with example code.

     OR

    B) Discuss file handling methods – read, write and append – with syntax and examples.

15. A) Write short notes on types of exceptions and ways to handle it in Python.

     OR

    B) Discuss event handling in Tkinter with an example.