



K24P 4503

Reg. No. :

Name :

I Semester M.C.A. Degree (CBSS – Reg./Supple./Imp.) Examination,
November 2024
(2021 Admission Onwards)
MCA1C03 : PYTHON PROGRAMMING

Time : 3 Hours

Max. Marks : 60

SECTION – A

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

1. List the various numerical data types supported by Python.
2. What are compound datatypes ?
3. What is an anonymous function ?
4. How do you insert an external module to your python program ? Explain with an example.
5. Name any six built-in methods used with list datatype.
6. Explain the operations on Python-tuple.
7. How do you create an instance variable ?
8. How can class attributes be accessed in Python ?
9. How do you log an exception in Python ?
10. Demonstrate the creation of a simple dialog box using GUI in Python. (10×2=20)

P.T.O.



SECTION – B

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

11. a) Describe the assignment operators in Python with suitable example.

OR

b) Explain the working of bitwise operators.

12. a) Elaborate on different categories of function arguments.

OR

b) Explain control statements in Python.

13. a) What is Python Dictionary? Explain built in functions in dictionary.

OR

b) Explain any ten built in methods defined on set datatype.

14. a) Explain the concept 'Class inheritance'.

OR

b) Explain file access modes.

15. a) What is an assert statement? Give an example.

OR

b) Explain in detail, listbox widget.

(5×8=40)

