



K23U 2300

Reg. No. : .....

Name : .....

V Semester B.C.A. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/  
Improvement) Examination, November 2023  
(2019 – 2021 Admissions)  
Core Course  
5B14BCA : PYTHON PROGRAMMING

Time : 3 Hours

Max. Marks : 40

SECTION - A

Answer **all** questions.

(6×1=6)

1. The output of `>>> str1= "python" >>>str1[-1]` is
2. The \_\_\_\_\_ data structure is an unordered collection of elements which avoid duplicates.
3. Let `s = [1, 2, 3]`. The output of `s * 2 =`
4. \_\_\_\_\_ is the method used to open a file.
5. Give any 2 examples for built-in modules.
6. \_\_\_\_\_ is a library in Python used for data visualization.

SECTION - B

Answer **any** 6 questions.

(6×2=12)

7. Differentiate a tuple from a list.
8. What is the purpose of `import` statement in Python ? Give example.
9. What are the properties of dictionary keys ?
10. What is `readlines()` in file handling ?
11. What do you mean by built-in exception ? Give example.
12. What is the use of `subplot()` function in `matplotlib` ?
13. What is the purpose of `fetchall()` function in Python ?
14. What is a menu widget ?

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SECTION – C

Answer **any 4** questions.

(4×3=12)

15. Explain the string functions `replace()` and `split()` in Python with examples.
16. Explain with an example, the higher order function `map()` in Python.
17. What is the difference between `dict.clear()` and `del dict` ?
18. Explain the use of `reshape()` and `transpose()` in numpy.
19. Explain message widgets with an example.
20. Explain with example code how to create radio buttons.

SECTION – D

Answer **any 2** questions.

(2×5=10)

21. Write a Python program to check whether an item is present in a list.
22. How to define and call function in Python ? Explain different types of function arguments.
23. Explain the constructors and destructors in Python with example.
24. Explain with example code how to create a table in MySQL from Python.

