**K22U 2252**

Reg. No. : .....................................

Name : .....................................

**V Semester B.C.A. Degree (CBCSS – OBE Regular/Supplementary/
Improvement) Examination, November 2022
(2019 Admission Onwards)
Core Course
5B14BCA : PYTHON PROGRAMMING**

Time : 3 Hours
Max. Marks : 40

## PART – A
### (Short answer)

Answer **all** questions.
(6×1=6)

1. What is commit operation ?

2. Which is the difference between Mutable and Immutable objects ?

3. What are the different numerical types supported by Python ?

4. List out Basic operations on Arrays.

5. What is PYTHONPATH variable ?

6. Which method is used to disconnect a database ?

## PART – B
### (Short essay)

Answer **any 6** questions.
(6×2=12)

7. How do you plot the mathematical function sin x ?

8. What is NumPy Arrays ?

9. List out some Data type conversion functions.

10. How do you create class in Python ?

11. What are Built-in Methods of List ?

12. What are the arithmetic operations on Arrays ?

13. What is Cursor object ?

14. What is Data Visualization in Python ?

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## PART – C
### (Essay)

Answer **any 4** questions. (4×3=12)

15. Briefly explain features of Python.

16. What are Layout Managers in Python GUI ?

17. Differentiate Global variables and Local variables with suitable example.

18. Which are Assignment Operators ?

19. What are the built-in functions to read data from standard input ?

20. What are Database exceptions ?

## PART – D
### (Long essay)

Answer **any 2** questions. (2×5=10)

21. Describe Class Inheritance.

22. How do you fetch data from a Database ?

23. Describe standard exceptions in Python.

24. What is Tkinter ? List out Tkinter Widgets.

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