



K24U 2874

Reg. No. : .....

Name : .....

**V Semester B.C.A. Degree (CBCSS – OBE – Regular/Supplementary/  
Improvement) Examination, November 2024  
(2019 to 2022 Admissions)**

**Core Course  
5B14BCA : PYTHON PROGRAMMING**

Time : 3 Hours

Max. Marks : 40

**SECTION – A  
(Short Answer)**

Answer **all** the questions.

**(6×1=6)**

1. \_\_\_\_\_ means those objects that can't change themselves after we initialize them.
2. Specify the function in Python that is used to convert a given value into an integer.
3. The \_\_\_\_\_ statement is used to insert an external module into your Python program.
4. What is an overflowError in Python ?
5. What is the use of the commit() method in Python databases ?
6. What is a database ?

**SECTION – B  
(Short Essay)**

Answer **any six** questions.

**(6×2=12)**

7. Differentiate indexing and slicing in strings.
8. What is the important feature to handle unexpected errors in Python programs ?

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9. What are the ways to access class attributes ?
10. What is an array in Python ?
11. Describe the parameters of the connect() method of the MySQL connector interface.
12. Distinguish between execute() and executemany() in the Python DB.
13. Write a short note on the font attribute of Tkinter.
14. Explain the Tkinter module in Python.

**SECTION - C  
(Essay)**

Answer **any four** questions.

(4×3=12)

15. What is indentation in Python ? How is it so important in Python coding ?
16. How do you define a function in Python ?
17. How is data hiding implemented in Python ?
18. What is a transaction ? Explain its properties.
19. Explain the procedure to fetch data from a Python database.
20. What is a Python GUI ? Also write about its application areas.

**SECTION - D  
(Long Essay)**

Answer **any two** questions.

(2×5=10)

21. Explain looping statements in detail.
  22. Describe standard exceptions in Python.
  23. Illustrate the data visualization module in Python. Explain its applications.
  24. Explain the listbox widget, its parameters and common methods.
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