



**K21U 4524**

Reg. No. : .....

Name : .....

**V Semester B.Sc. Degree CBCSS (OBE) Regular Examination, November 2021  
(2019 Admn. Only)  
CORE COURSE IN COMPUTER SCIENCE  
5B10CSC : Computation Using Python**

Time : 3 Hours

Max. Marks : 40

**PART – A  
(Short Answer)**

Answer **all** questions.

**(6×1=6)**

1. What are comments in Python ?
2. What is range function ?
3. Write the syntax to open a file.
4. Define class.
5. Write the syntax to create a Database.
6. What is a Button widget ?

**PART – B  
(Short Essay)**

Answer **any six** questions.

**(6×2=12)**

7. What is meant by indentation ? Give an example code.
8. What is recursion ? Explain with an example.
9. Demonstrate Zero Division Exception.
10. Give the syntax to write into a file.
11. Explain any two OOPs features of Python.
12. What is the use of Plot () ?
13. How can you create a 1D array in Python ?
14. Write a program using Button widget.

P.T.O.



PART – C  
(Essay)

Answer **any four** questions.

(4×3=12)

15. Explain any six data types of Python.
16. Explain any three built in methods of set datatype.
17. What are modules ? How can you create module ?
18. Explain any three two dimensional array operations.
19. Write a program to connect to a database and to create a table.
20. Explain any three widgets and the purpose of each.

PART – D  
(Long Essay)

Answer **any two** questions.

(2×5=10)

21. Explain the operators in Python.
  22. What is a function ? Explain function definition and function call with an example.
  23. Explain matplotlib Module.
  24. Demonstrate message widget with an example program.
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