



B&CS

K21U 1113



Reg. No. :

Name :

**IV Semester B.Sc. Degree CBCSS (OBE) Regular Examination, April 2021
(2019 Admission Only)**

COMPLEMENTARY ELECTIVE COURSE IN COMPUTER SCIENCE

4C04CSC : Computation Using Python

Time : 3 Hours

Max. Marks : 32

**PART - A
(Short Answer)**

Answer **all** questions :

1. Write the syntax to call a function.
2. What is function definition ?
3. What is encapsulation ?
4. Define data hiding.
5. What is tell() ?

(5×1=5)

**PART - B
(Short Essay)**

Answer **any four** questions :

6. What is an immutable datatype ? Give an example.
7. Write a program to open and print the contents of a file.
8. Discuss List datatype.
9. Write a program to delete an exiting file.
10. What is figure() ?
11. Define transpose function.

(4×2=8)

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PART – C
(Essay)

Answer **any three** questions :

12. Explain the features of string datatype.
13. Discuss on creating and using modules.
14. Explain input and output in python.
15. Demonstrate multiple inheritance.
16. Write a program to find the sum of the elements in an array.

(3×3=9)

PART – D
(Long Essay)

Answer **any two** questions :

17. Explain the built-in methods of dictionaries.
18. Explain Data Visualization in Python.
19. Explain Polymorphism.
20. Write notes on File handling.

(2×5=10)