



**K22U 1549**

Reg. No. : .....

Name : .....

**IV Semester B.Sc. Degree CBCSS (OBE) Regular/Supplementary/  
Improvement Examination, April 2022  
(2019 Admission Onwards)  
COMPLEMENTARY ELECTIVE COURSE IN COMPUTER SCIENCE  
4C04CSC : Computation Using Python**

Time : 3 Hours

Max. Marks : 32

**PART – A  
(Short Answer)**

Answer **all** questions.

1. What is the advantage of using modules in Python ?
2. What is recursion ?
3. What are instance variables ?
4. Define class variables.
5. Give an example for a common exception.

**(5×1=5)**

**PART – B  
(Short Essay)**

Answer **any four** questions.

6. What is the use of import function ? Give an example.
7. Write a function to return the square of a number.
8. What is function composition ?
9. What is Python IDLE ?
10. What is an array ? Write the syntax to create an array.
11. Define ndarray.

**(4×2=8)**

P.T.O.



PART – C  
(Essay)

Answer **any three** questions.

12. Explain the features of Python.
13. Discuss on math built-in module.
14. Explain range and enumerate function.
15. What is method overriding ?
16. Write a program to find the largest element in an array. (3×3=9)

PART – D  
(Long Essay)

Answer **any two** questions.

17. Explain the datatypes of Python.
  18. Explain inheritance in Python.
  19. Explain Numpy Module.
  20. Write notes on Built-in exceptions. (2×5=10)
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