



K26U 1018

Reg. No. :

Name :

IV Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Supplementary/
Improvement) Examination, April 2026
(2020 to 2023 Admissions)

COMPLEMENTARY ELECTIVE COURSE IN COMPUTER SCIENCE FOR
MATHEMATICS/STATISTICS/PHYSICS/ELECTRONICS

4C04CSC : Computation Using Python

Time : 3 Hours

Max. Marks : 32

PART – A
(Short Answer)

Answer **all** questions.

(5×1=5)

1. Write the mode in which a file is to be opened to create it in Python.
2. What is the method to close a file ?
3. What are static methods ?
4. Define function.
5. What is Exception ?

PART – B
(Short Essay)

Answer **any four** questions.

(4×2=8)

6. What is a mutable datatype ? Give an example.
7. What are assertions ?
8. What is the syntax of an exception ?
9. Write the different ways of executing a Python program.
10. What is pyplot() ?
11. Define reshape.

P.T.O.



PART – C
(Essay)

Answer **any three** questions.

(3×3=9)

12. Explain the feature of Tuple datatype.
13. Discuss on random built-in module.
14. Explain operators in Python.
15. What is operator overloading ?
16. Write a program to find the smallest element in an array.

PART – D
(Long Essay)

Answer **any two** questions.

(2×5=10)

17. Explain the control flow structures of Python.
 18. Explain indexing and slicing in Python.
 19. Explain private methods and variables.
 20. Write notes on Exception handling.
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