K24U 0718

Reg. No. : ....

Name : ....

IV Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/ Improvement) Examination, April 2024
(2019 to 2022 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. What is meant by run time error ?

2. What is meant by a built-in module in Python ?

3. How can we create an object in Python ?

4. How can we create a 2D array in Python ?

5. What is the purpose of linspace function in numpy ?

PART – B
(Short Essay)

Answer **any 4** questions.

(4×2=8)

6. Discuss the use of comments in Python. How do they enhance code readability ?

7. How can we write a data into a file in Python ?

8. What is meant by multi level inheritance ?

9. Differentiate zeros, ones and empty functions.

10. Differentiate reshape and resize functions in Python.

11. What is meant by indexing in an array ?

P.T.O.

PART – C
(Essay)

Answer **any 3** questions. (3×3=9)

12. How can you run a Python script using different methods ? Briefly explain each method.

13. Explain about different types of function arguments in Python.

14. Explain any three functions in statistics module with example.

15. Explain method overriding in Python with an example.

16. What is the object-oriented features of Python ?

PART – D
(Long Essay)

Answer **any 2** questions. (2×5=10)

17. Explain lists and tuples in Python.

18. Explain in detail about the different branching statements in Python.

19. How can we do the exception handling in Python ?

20. Explain about different data visualization techniques in Python.