K22U 1549

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.

K22U 1549

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)

———————