

(FOR THE CANDIDATES ADMITTED

22UCS411

DURING THE ACADEMIC YEAR 2022

ONLY)

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : MAY-2024

B.SC-COMPUTER SCIENCE(AIDED & SF)

MAXIMUM MARKS: 50

SEMESTER:IV

TIME : 3 HOURS

PART - III

22UCS411-PYTHON PROGRAMMING

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS. (K1)

1. Who developed Python Programming Language?
a) Wick van Rossum b) Rasmus Lerdorf c) Guido van Rossum d) Niene Stom
2. The..... clause can occur with an if as well as with loops.
a) else b) break c) continue d) none
3. Which method returns a view object that displays a list of a given dictionary's (key, value) tuple pair?
a) values() b) keys() c) items() d) pop()
4. _____mode opens a file for reading only in binary format.
a) rb b)r c) rb+ d) w
5. Object is an instance of the _____
a) class b) tuples c) list d) variable

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES (K2)

6. Define variable. Write the rules and how to assign the values to the variable. Give an example
7. Write a few methods that are used in Python Lists.
8. Explain how to create a function in python.
9. How to construct new directory in Python?
10. Give an example to split a string in Python.

SECTION – B

(5 X 3 = 15 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.(K3)

11. a) Clarify the standard data types supported in Python.Give an example.
(OR)
b) Differentiate global and local scope of variable.
12. a) Explain the following statements i) continue ii) break iii)pass
(OR)
b) Explain the following operation in dictionary i) Accessing an item ii) Modifying an item
iii)Removing an item.

13. a) Clarify the following function i) The globals () and locals() ii) The reload() iii) dir()
(OR)
b) Explain lambda function and module in Python with an example.
14. a) Explain the exception hierarchy in Python
(OR)
b) Identify the various operations performed on file. Give an example.
15. a) Summarize the various features of Object orientation.
(OR)
b) Discuss greedy match used in regular expression with an example.

SECTION – C**(5 X 5 = 25 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K4 (Or) K5)**

16. a) Define operator. Summarize the various operator supported by Python.
(OR)
b) Write a Python program to find the distance between two points.
17. a) Develop the Python Program to check whether the given number is Armstrong Number or not.
(OR)
b) Briefly explain Tuples and its operation Give example.
18. a) Categorize the various types of functions in Python. Give an example.
(OR)
b) Analyze how to use the map, filter and reduce in list.
19. a) Demonstrate how to handle multiple exception in Python. Give an example.
(OR)
b) Write a Python program to copy the content of one file to another with an output.
20. a) Define Inheritance. Construct how to inherit the parent class into child class give an example.
(OR)
b) Demonstrate a Python class Bank Account with attributes like account_number, balance, date_of_opening and customer_name, and methods like deposit, withdraw, and check_balance.
