

(FOR THE CANDIDATES ADMITTED

SUBJECT CODE **24 UCT 411**

DURING THE ACADEMIC YEAR 2024-25 ONLY)

REG.NO.

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

END-OF-SEMESTER EXAMINATIONS : MAY– 2026

B.Sc. – COMPUTER TECHNOLOGY

MAXIMUM MARKS: 75

IV SEMESTER

TIME : 3 HOURS

PART – III

PYTHON PROGRAMMING

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. Choose: Who developed Python, and when was it first released?
(a) Guido van Rossum, 1991 (b) James Gosling, 1995
(c) Brendan Eich, 1995 (d) Linus Torvalds, 1991
2. Choose: Which of the following is a mutable data type in Python?
(a) List (b) Tuple (c) String (d) Integer
3. Relate: Which of the following is the correct way to define a class in Python?
(a) class MyClass: (b) def MyClass: (c) new class MyClass: (d) create class MyClass
4. Choose: Which of the following is used to handle exceptions in Python?
(a) try-except (b) try-catch (c) handle-except (d) catch-except
5. Choose: Which of the following Python keywords is used to define a class?
(a) class (b) def (c) struct (d) new

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Indicate a feature about Python Programming?
7. Interpret the term tuples in Python.
8. Define the Pass statement.
9. Define the term Exception.
10. Interpret the term Inheritance.

SECTION – B

(5 X 5 = 25 MARKS)

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

(K3)

11. a) List the Python Reserved words in brief.
(OR)
b) Examine the use of Comments in Python.

(CONTD 2)

12. a) Dramatize the use of Bitwise operators.
(OR)
b) Describe the Break and Continue in Python.
13. a) Show the mapping a parameter to a function
(OR)
b) Examine the Mapping functions in a dictionary.
14. a) Sketch the Exception hierarchy in Python
(OR)
b) Dramatize the term Data stream.
15. a) Interpret the term Instance methods.
(OR)
b) Show the way of creating classes in Python.

SECTION – C

(5 X 8 = 40 MARKS)

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

(K4 (Or) K5)

16. a) Outline the execution a python program in command line with an example.
(OR)
b) Investigate a simple input and output in Python code.
17. a) Construct a code in python using Relational operators and for loop.
(OR)
b) Compare the lists, tuples and sets with suitable example.
18. a) Prepare a code using passing parameters to a function in Python.
(OR)
b) Experiment the Math, Time and Dir functions with suitable example.
19. a) Examine handling of multiple exceptions with suitable example.
(OR)
b) Develop a python code for reading and writing data to a file.
20. a) Evaluate the special methods for String representation and Operator overloading
(OR)
b) Measure the concept of Overriding in Inheritance in Python with an example.