

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

END-OF-SEMESTER EXAMINATIONS : MAY 2026

BSC COMPUTER SCIENCE(AIDED & SF)
SEMESTER-IV

MAXIMUM MARKS: 75

TIME : 3 HOURS

PART - III

24UCS411-PYHTON PROGRAMMING

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. Who developed Python language _____?
a) Niene Stom b) Zim den c) Guido van Rossum d) Wick van Rossum
2. Multiple condition that evaluate to true can be checked using _____.
a) if b) if-else c) if-else-if d) if elif else
3. _____ is the use of the return statement.
a) null value b) initiate a function c) exit a function d) None of them
4. _____ keyword is used to generate an exception.
a) throw b) raise c) try d) generate
5. _____ represents an entity in the real world with its identity and behaviour.
a) A method b) An object c) A class d) An operator

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Define Variable.
7. What is a Dictionary?.
8. Write about Lambda function.
9. Define Exception.
10. Mention any two Quantifiers used in Python.

SECTION – B

(5 X 5 = 25 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K3)

11. a) Interpret the use of Command line arguments in Python.
b) List and explain Python Reserved words.

(OR)

(CONT...2)

12. a) Explain the While Statement in Python.
(OR)
b) Discuss on Lists with example .
13. a) Discover the Mapping functions in a Dictionary.
(OR)
b) List and Explain the Built-in Functions in Python.
14. a) What is a Runtime Error Explain?
(OR)
b) Summarize on IO Exception handling.
15. a) Describe Polymorphism with an example.
(OR)
b) Describe how pattern matching works in Python.

SECTION – C**(5 X 8 = 40 MARKS)****ANSWER THE FOLLOWING QUESTIONS.****(K4 (Or) K5)**

16. a) Elaborate on Data types in Python.
(OR)
b) Discuss the various types of operators in Python.
17. a) Summarize the Flow control with an example.
(OR)
b) Discuss the break and Continue Statements.
18. a) Explain the creation, calling and passing of arguments to Functions.
(OR)
b) Elucidate the Modules and Files in Python.
19. a) Describe how multiple exceptions are handled with an example.
(OR)
b) Discuss File Handling in Python.
20. a) List and Explain the Principles of Object Oriented Programming.
(OR)
b) Summarize Inheritance with an example.
