

(FOR THE CANDIDATES ADMITTED

23UCS411

DURING THE ACADEMIC YEAR 2023 ONLY)

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS : MAY 2025

B.Sc.Computer Science(Aided & Sf)

MAXIMUM MARKS: 75

SEMESTER-IV

TIME : 3 HOURS

PART - III

23UCS411-PYTHON PROGRAMMING

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. Who developed the Python language \_\_\_\_\_
  - a) Niene Stom
  - b) Zim den
  - c) Guido van Rossum
  - d) Wick van Rossum
2. Multiple expression for true can be checked with the help of \_\_\_\_\_.
  - 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. What is Lambda?

(CONT...2)

Ethical Paper

9. Define Exception Model.
10. Interpret the Quantifiers.

**SECTION – B** **(5 X 5 = 25 MARKS)**  
**ANSWER THE FOLLOWING QUESTIONS.** **(K3)**

11. a) Interpret the Command line in Python.  
**(OR)**
b) Describe the Python Reserved Words.
12. a) Examine the While Statement.  
**(OR)**
b) Summarize the Lists, Tuples and Sets with example .
13. a) Discover the Mapping functions in a Dictionary.  
**(OR)**
b) Explain the Built-in Functions.
14. a) Describe the Runtime Errors.  
**(OR)**
b) Summarize IO Exception handling.
15. a) Describe the Polymorphism with example.  
**(OR)**
b) Determine the Matches and its Works.

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

16. a) Interpret the Data types in Python.  
**(OR)**
b) Discuss the various types of operators in Python.
17. a) Summarize the Flow control with example.  
**(OR)**
b) Discuss the Break and Continue Statements.
18. a) Examine the creating, calling and passing to Functions.  
**(OR)**
b) Interpret the Modules and Files.
19. a) Criticize the Multiple Exceptions handling with example  
**(OR)**
b) Discuss the File Handling in Python.
20. a) Elaborate the Principles of Object Orientation.  
**(OR)**
b) Summarize the Inheritance with example.