

(FOR THE CANDIDATES ADMITTED

DURING THE ACADEMIC YEAR 2022–2025 ONLY)

(NO. OF PAGES: 2)

SUBJECT CODE **22 UCT 411**

REG.NO. :

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

**END-OF-SEMESTER EXAMINATIONS: MAY – 2024**

**B.Sc. – COMPUTER TECHNOLOGY**

**SEMESTER: IV**

**MAXIMUM MARKS: 50**

**TIME: 3 HOURS**

**PART – III**

**PYTHON PROGRAMMING**

**SECTION – A**

**(10 X 1 = 10 MARKS)**

**ANSWER THE FOLLOWING QUESTIONS.**

**(K1)**

**MULTIPLE CHOICE QUESTIONS.**

1. Is Python case sensitive when dealing with identifiers?  
a) No                      b) Yes      c) machine dependent      d) None of the above
2. Which of the following types of loops are not supported in Python?  
a) For                      b) while                      c) Do while                      d) None of the above
3. Which of the following are valid string manipulation functions in Python?  
a) Count()                      b) Upper()                      c) Strip()                      d) All the above
4. Which mode will right data to a file even if the file does not exist ?  
a) w+                      b) r+                      c) a+                      d) Both w+ and a+
5. Which of the following is correct with respect to OOP concept in Python?  
a) Objects are real world entities while classes are not real.  
b) Classes are real world entities while objects are not real.  
c) Both objects and classes are real world entities.  
d) Both object and classes are not real.

**ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.**

**(K2)**

6. List any two features of python.
7. What are common built in data types in python?
8. What are the functions in python ?
9. How to open a file for reading?
10. What is Polymorphism?

**(CONTD .... 2)**

**SECTION – B****(5 X 3 = 15 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.****(K3)**

11. a) Discuss Numeric data types.

**(OR)**

- b) Explain Simple input .

12. a) Discuss for loop with example.

**(OR)**

- b) Discuss Bitwise operators .

13. a) Explain Dir Function.

**(OR)**

- b) Explain Sis.

14. a) Explain Chdir() and chroot().

**(OR)**

- b) Explain Name Error and Type Error.

15. a) Explain what parent and child class with example.

**(OR)**

- b) Explain the use of supper () with example.

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

16. a) List and explain any ten reserved words.

**(OR)**

- b) Explain Output formatting in python with example.

17. a) Explain if Statement with example.

**(OR)**

- b) Explain relational Operators with example .

18. a) Explain Model Exception.

**(OR)**

- b) Explain Passing Functions to a Function with example.

19. a) How to print the Python Exception/Error Hierarchy.?

**(OR)**

- b) Discuss Data Streams .

20. a) Explain Inheritance.

**(OR)**

- b) Discuss Character Classes .