

**(FOR THE CANDIDATES ADMITTED  
DURING THE ACADEMIC YEAR 2022 ONLY)**

**22UBC515**

**REG.NO. :**

**N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI  
END-OF-SEMESTER EXAMINATIONS: NOVEMBER - 2024  
COURSE NAME: B.C.A  
SEMESTER: V**

**MAXIMUM MARKS: 50  
TIME: 3 HOURS**

**PART - III**

**PYTHON PROGRAMMING**

**SECTION - A (10 X 1 = 10 MARKS)**

**ANSWER THE FOLLOWING QUESTIONS.**

**MULTIPLE CHOICE QUESTIONS.**

**(K1)**

1. Which of the following is character set?
  - (a) Alphabets
  - (b) Digits
  - (c) White space
  - (d) All of these
2. Which of the following are sequence of character data?
  - (a) List
  - (b) Tuples
  - (c) String
  - (d) Dictionaries
3. The python recognizes these kinds of tokens\_\_\_\_\_.
  - (a) identifier
  - (b) keyword
  - (c) operator
  - (d) All of these
4. The operators work on single operand\_\_\_\_\_.
  - (a) Binary
  - (b) Unary
  - (c) Ternary
  - (d) none of these
5. Index of \_\_\_\_\_ refers to first element.
  - (a) 1
  - (b) -1
  - (c) 0
  - (d) n+1

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

**(K2)**

6. Name two types of conversion in python.
7. Define reserved word.
8. Why is break statement used in while or for loop?
9. Define any two operation on data structure.
10. What is the condition of Stack underflow?

**SECTION – B (5 X 3 = 15 MARKS)**

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

11. a) Write a note on Data types in python.  
**(OR)**  
b) Explain the history of python and advantages.
- 12 a) Discuss Tuple assignment.  
**(OR)**  
b) Write the uses of break and continue in python.
- 13 a) Give the idea of Higher order function.  
**(OR)**  
b) What is function? Describe communication with function.

- 14.a) Give the importance of local and global shell variable.  
**(OR)**  
b) What is inheritance? Explain all types of inheritance in python.

- 15.a) Difference between syntax error and exception.  
**(OR)**  
b) Infer the run time errors.

**SECTION - C (5 X 5 = 25 MARKS)**

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

**(K4 (Or) K5)**

16. a) Articulate the logical operators with suitable examples.  
**(OR)**

- b) Discuss in detail classes and object.

- 17.a) With a neat syntax and example, discuss if statement in python.  
**(OR)**

- b) Discuss managing directories in python.

- 18.a) Write about built in functions in python.  
**(OR)**

- b) Give the details about types of Arguments

- 19.a) Explain Polymorphism in python.  
**(OR)**

- b) Illustrate the operator overloading in python.

- 20.a) How do you need data from a file?  
**(OR)**

- b) Describe in detail working in file directories.

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