

**THIRD SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2023**

**(Regular/Improvement/Supplementary)**

**B.Sc. COMPUTER SCIENCE/BCA**

**GBCS3A01T: PYTHON PROGRAMMING**

**Time: 2 ½ Hours**

**Maximum Marks: 80**

**SECTION A: Answer the following questions. Each carries *two* marks.**

**(Ceiling 25 Marks)**

1. What is the use of flush parameter in print() function.
2. What are Keywords?
3. How to assign values to variables in python.
4. Why list is called mutable.
5. What do you mean by Multiway decisions?
6. Draw flowchart of Nested if - else statement.
7. What is Loop?
8. List the rules of global keyword.
9. Point out the use of return statement in function.
10. What is the use of len()?
11. What you mean by indexing in tuple.
12. Differentiate the use of add() and update() function in set.
13. What is the use of del keyword.
14. Explain Negative Indexing in list.
15. Mention the use of random() function.

**SECTION B: Answer the following questions. Each carries *five* marks.**

**(Ceiling 35 Marks)**

16. What is eval()function? Explain eval() function with example.
17. List out and explain various features of python language.
18. Write a python program to add two numbers.
19. Differentiate between break and continue statements.
20. Explain different date-time functions in python.
21. Explain recursive function with suitable example.
22. How to remove elements from the list? Explain with suitable examples.
23. Write a note on concatenation of strings.

**SECTION C: Answer any *two* questions. Each carries *ten* marks.**

24. What is an operator? Briefly explain different types of Python Operators.
25. Explain different looping statement in python.
26. Discuss the different Function Arguments in python.
27. Explain different set operations in python.

**(2 x 10 = 20 Marks)**