

THIRD SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2022
(Regular/Improvement/Supplementary)

COMPUTER SCIENCE/BCA
GBCS3A01T: PYTHON PROGRAMMING

Time: 2¹/₂Hours

Maximum Marks: 80

SECTION A: Answer the following questions. Each carries 2 marks.
(Ceiling 25 Marks)

1. What are the advantages of Python Programming language?
2. Discuss the sentence 'Tuples are Immutable'.
3. What is Associativity?
4. Draw flowchart of Nested if -else statement.
5. What is Compound Boolean expression?
6. What is the output of type(range(50))?
7. Explain Infinite loop.
8. What is the use of global variable?
9. What is the use of Docstrings?
10. Write a note on Math Constants.
11. What are the advantages of user defined functions?
12. What do you mean by list Index?
13. How to delete an entire string in python?
14. Write an example to access a range of items in tuple by using slicing operator.
15. How to delete tuple elements?

SECTION B: Answer the following questions. Each carries 5 marks.
(Ceiling 35 Marks)

16. Explain arithmetic operators.
17. How to obtain input from the User?
18. Explain break statement with an example.
19. Write a python program to find the sum of natural numbers.
20. Write a python program to find the factorial of a number using recursive function.
21. Explain random number generation in python.
22. What is dictionary? How to create and access the items of a dictionary? Explain with suitable example.
23. Explain the concept of modifying a set in python.

SECTION C: Answer any 2 question. Each carries 10 marks.

24. What is constant? How to define constants in Python? Explain with example.
25. Explain different decision making statements in Python.
26. Briefly explain different Function Arguments in python.
27. What is string? Briefly explain different string operations in python.

(2 x 10 = 20 Marks)