



QP CODE: 26019305



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M.Sc STATISTICS (APPLIED)

Core Courses - ST030401 - PROGRAMMING USING PYTHON

2019 Admission Onwards

7F2F0291

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. How can you check whether Python is installed in a computer or not?
2. What is the use of left shift operator?
3. What is the advantage of providing *args in a function definition?
4. What does the 'except' block statements do?
5. How to remove an item from a list?
6. What are class attributes?
7. How methods in a class are invoked?
8. Which are the two parameters of open() function in Python?
9. Which is the property used for retrieving year from date?
10. How can we remove a database table?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Write an example for type conversion mechanism in Python.
12. Write a program that reads Name, Phone no, E-mail id from keyboard and display these as the output using Python input/output functions.





13. Write note with example range() function with different arguments.
14. Demonstrate unpacking a tuple with an example.
15. Demonstrate the use of super() function with a suitable program.
16. Explain slice() function with an example.
17. Discuss on the use of SQLite DB browser controls.
18. Explain with example how records can be retrieved from a table based on two conditions.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Write detailed note on data types in Python.
20. Explain different forms of conditional if statements in python.
21. "Polymorphism allows accessing the overridden methods and attributes that have the same name as the parent class". Justify this statement with an example.
22. Create a database "Company.db" with a table "Employee" having attributes Id, Name, Age, Address and Salary. Insert two new records to the above table.

(2×5=10 weightage)

