



QP CODE: 26019136



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026
Fourth Semester
M Sc COMPUTER SCIENCE (AIDED)
ELECTIVE - CA820402 - ADVANCED PYTHON PROGRAMMING

2019 Admission Onwards

D2F2BBF6

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Explain the concept of class and object in Python.
2. What is Operator Overloading in Python?
3. List out the special characters that Re module used to handle the repetitions in patterns.
4. How does regex match an email format?
5. Every syntax error is an exception but every exception cannot be a syntax error. Justify the statement.
6. Write down the syntax of raise statement.
7. Define the commit operation.
8. What are Widgets in Python?
9. How to run a python script in CGI?
10. What is the use of socket module in Python?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. How to achieve Inheritance in Python?
12. Explain the functions in regular expression module.
13. Discuss the quantifiers used for building a regular expression in python with example.





14. Explain wrapping exceptions with example.
15. Explain try... except...else clauses.
16. Explain various read operations to fetch information from the Database.
17. Explain color attribute tkinter.
18. Explain thread handling methods in Python.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. What are the special characters used for building a regular expression in Python? Explain with a suitable Python program
20. How to combine try except and finally? Explain with an example program?
21. What is meant by event driven programming? Explain.
22. Explain various steps in sending emails using Python.

(2×5=10 weightage)

