



QP CODE: 25024403



25024403

Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, APRIL 2025

Fourth Semester

M Sc COMPUTER SCIENCE (AIDED)

ELECTIVE - CA820402 - ADVANCED PYTHON PROGRAMMING

2019 ADMISSION ONWARDS

0D32BD3D

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. How to create a constructor in python ?
2. What is inheritance in python?
3. How do you validate a url with a regular expression in python?
4. What do the presence of an asterik(*) mean in regular expressions?
5. List out the disadvantages of exception handling in Python.
6. What is exception wrapping?
7. How delete a record from a table in Python.
8. What is the purpose of showinfo() method in Tkinter framework in Python?
9. Differentiate between thread and process.
10. How to run a python script in CGI?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. How to overload the operators in Python? Explain with an example.
12. Explain different flags in regular expression.
13. What is parsing? Explain the two phases of parsing.
14. Explain any five file operation modes in Python.
15. Explain assertions in Python.





16. How to use python and SQL together?
17. Explain the general steps to create a Python GUI using tkinter.
18. How to create menus in Python?

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. What are regular expressions? How to find whether an email id entered by user is valid or not using Python 're' module?
20. Explain the following. A. Except statement B. Except statement with no exception C. Except statement using with exception variable.
21. Explain various Tkinter widgets.
22. Explain various steps in sending emails using Python.

(2×5=10 weightage)

