



QP CODE: 25047414



25047414

Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, NOVEMBER 2025

Third Semester

M Sc COMPUTER SCIENCE

Core Course - CA010302 - PYTHON PROGRAMMING

2019 ADMISSION ONWARDS

E7808CCD

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. List various decision making statements in python.
2. Explain for loops with a suitable program.
3. What is the use of sys module in python?
4. How will you access value in strings?
5. How will we concatenate two lists?
6. Write any 4 built-in methods we use in dictionaries.
7. Which are the keywords used in functions?
8. Define packages.
9. Discuss any 3 methods in time module.
10. Program to print a logging messages to file using FileHandler method.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. What are the different ways to run python?
12. Give the characteristics of membership operator.
13. Write a python program to sort a group of strings into alphabetical order.
14. What is indexing and negative indexing in Tuple?





15. Define 'turtle' module in Python? What are the different steps in plotting a diagram using turtle? Give an example.
16. What are the various image processings that can be done on a digital image? Explain using examples.
17. Explain write() function with the help of an example.
18. Write a program to a copy a text file to another file.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain the features of python .
20. Explain how will you read/write numbers from/to file with example.
21. Explain recursive function. How do recursive function works? Explain with program.
22. Explain write(), writeline() and writelines() methods with example.

(2×5=10 weightage)

