



QP CODE: 25022387



Reg No :

Name :

M.Sc DEGREE (CSS) SPECIAL REAPPEARANCE EXAMINATION, APRIL 2025

Third Semester

CORE - CA010302 - PYTHON PROGRAMMING

M.Sc COMPUTER SCIENCE, M.Sc COMPUTER SCIENCE(Aided)

2019 ADMISSION ONWARDS

44131751

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. How do you initialize a variable in python?
2. What is membership operators?
3. Write a program to read numbers from a file.
4. What is the use of replace() method in string?
5. How can we insert an element in list?
6. Write a Python function that takes a list and returns a new list with unique elements of the first list.
7. What are the advantages and disadvantages of recursive functions in Python?
8. What is time tuple?
9. Write a short note on turtle module.
10. Explain different file modes available in writelines().

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Explain the concept of scope and lifetime of variables in Python
12. Write a program to sort the given words alphabetically and count the vowels.
13. Write a program to insert a substring in a particular position of a string.
14. Explain Python List operations and manipulations with examples.





15. What is meant by Modular Programming? What are the main advantages of modularizing code in a large application? What are the two mechanism used in Python for modular programming?
16. Discuss the methods in image module.
17. With the help of an example, explain logging from multiple modules.
18. Explain how to modify file pointer position in Python.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain conditional statements in python with example.
20. Explain the following file built-in functions and method with clear syntax,description and illustration: a) open() b) remove() c)read() d)write() e) close()
21. Explain in detail about (i) Creating a dictionary (ii) Accessing values in a dictionary (iii) Updating dictionary (iv) Deleting elements from dictionary
22. i) Explain read(), readline() and readlines() ii) Write a Python program to search a word and replace ith another word for all occurences

(2×5=10 weightage)

