



QP CODE: 25050410



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Reg No :

Name :

MSc DEGREE (CSS) EXAMINATION DECEMBER 2025

First Semester

MSc CYBER FORENSICS

Core Courses - CF010103 - SECURITY ANALYSIS USING PYTHON

2019 Admission Onwards

B7CFA6EA

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What are objects and classes?
2. What is type checking?
3. Explain between operator.
4. What local and global variable?
5. Explain the different parameters in the setup() function in python.py file.
6. Define tuple ([items]).
7. What are cookies?
8. What is wsgiref module?
9. Explain ping sweep.
10. What is struct.pack and struct.unpack?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Briefly describe about variable and Arithmetic expressions in Python with example.
12. Explain about identifiers and reserved words.
13. Explain the operations on sets with example.
14. Explain about Boolean expressions with example.
15. How inheritance implemented in python?





16. Describe about module reloading and unloading.
17. Describe SSI module with its operations.
18. Describe about the scope of pentesting.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain decorator in detail with example.
20. Briefly describe about conditional execution, loops and iterations.
21. Describe in detail about the class statement and class instance with examples.
22. Describe the module which are used to implement asynchronous networking.

(2×5=10 weightage)

