

16PCSCT2A06 - PCS/CT/2A06

M.SC. DEGREE EXAMINATION, APRIL 2018

I YEAR - II SEMESTER

Core Major -VI - PROGRAMMING IN PYTHON

Time : 3 Hours

Max.marks :75

**Section A** ( $10 \times 2 = 20marks$ )

Answer any **TEN** questions

1. What are the features of python?
2. How to define Variables in python?
3. What is a function in python?
4. Define List and Tuple.
5. List the five operation in python.
6. Define Inheritance.
7. List any five python internet modules.
8. What is a socket?
9. What is Simple Mail Transfer Protocol?
10. Define a Thread.
11. Define XML.
12. What is Tkinter?

**Section B** ( $5 \times 5 = 25marks$ )

Answer any **FIVE** questions

13. Discuss about Variables, expressions and statements in python.
14. Write short notes on Looping concepts in python.
15. Demonstrate the use of inheritance in python.
16. Describe the multithreading concept in python.
17. Explain the interaction with MySQL.
18. How the XML processing is carried over in python.
19. Explain the Basic Programming concepts of python.

**Section C** ( $3 \times 10 = 30marks$ )

Answer any **THREE** questions

20. Explain in detail about the operators in python.
21. Discuss about Data Structure in python.
22. Discuss the following: a) Define a class in python b) Create an object in python.
23. Explain in detail about python -sending Email using SMTP.
24. Explain the concepts involved in interacting with databases.