

**GOVERNMENT COLLEGE FOR WOMEN(AUTONOMOUS),SRIKAKULAM
REACCREDITED WITH NAAC 'A' GRADE**

**B.Sc (Regular) / Semester-I
(w.e.f.2020-2021 Admitted Batch)**

PAPER : FUNDAMENTALS OF COMPUTERS ,WEB & PYTHON PROGRAMMING

Marks : 75

TIME : 3 Hrs

Date : 17-08-2021



Section A

I. Answer the following questions (5 X 10 = 50 marks)

1. (a) Explain Digital Computer with a Block Diagram.
(or)
(b) Explain various Input & Output Devices.
2. (a) Discuss various looping statements available in Python.
(or)
(b) Discuss various Operators available in Python with examples.
3. (a) Explain various String formatting techniques available in Python.
(or)
(b) Explain different operations available on List in Python
4. (a) Discuss various Lambda functions available in Python with examples.
(or)
(b) How to create a module and use it in a Python with example.
5. (a) Define Exception & How to handle Exceptions in Python? Discuss with examples.
(or)
(b) Explain various Object-Oriented features available in Python.

II. Answer any FIVE questions (5 X 5 = 25 marks)

1. Differentiate between Web and Desktop Applications.
2. Write note on Computer Virus and Cryptology
3. Find the Area and Perimeter of a circle using functions.
4. Write about IF statement in python.
5. Write about Set in Python
6. Compare Set & Tuple in Python
7. Write about anonymous functions in Python
8. Explain about namespace in Python.
9. Explain Constructors in Python
10. Differentiate between Error and Exception.