

Exam. Code : 105703
Subject Code : 1434

B.Sc. Information Technology 3rd Semester
(Batch 2020-23)

INTRODUCTION TO PYTHON

Paper—I

Time Allowed—3 Hours] [Maximum Marks—75

Note :— Attempt *five* questions in all, selecting at least *one* question from each section. The **fifth question may be attempted from any section. All questions carry equal marks.**

SECTION—A

1. Write down the steps to create and run a program in Python. Is a python program compiler or interpreted ? 10,5
2. Discuss the different data types supported in a Python program. 15

SECTION—B

3. Write a program to print all the leap years from 1947 to 2020. 15
4. How is a function defined and called in a Python program ? Give an example. 6,9

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(Contd.)

SECTION—C

5. What is the structure of for loop ? Discuss the different variations of for loop. 9,6
6. What is exception handling ? Why is it used ? Give an example. 5,5,5

SECTION—D

7. What is object oriented programming ? What are its advantages and disadvantages ? 9,6
8. How does a Python program connect with a database ? Explain with the help of an example. 5,10

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