

A

(20123)

Roll No. RA200100124064

B.Sc.(Hons.) Com. Sc.-V Sem.

NS-3377

B. Sc. (Hons.) Examination, Dec. 2022

COMPUTER SCIENCE

Analytic Programming using Python Concepts

(BHCS-504)



Time : Three Hours]

[Maximum Marks : 75

Note : Attempt questions from all Sections as per instructions.

Section-A

(Very Short Answer Type Questions)

Attempt all the *five* questions. Each question carries 3 marks. Very short answer is required.

$3 \times 5 = 15$

(2)

1. Give a short note on assigning values to variables.
2. Explain syntax of "for-loop".
3. What is method resolution order ?
4. What is the purpose of stamp () method ?
5. Compare and contrast IDLE and Spyder.



Section-B

(Short Answer Type Questions)

Attempt any *two* questions out of the following three questions. Each question carries $7\frac{1}{2}$ marks.

Short answer is required.

$7\frac{1}{2} \times 2 = 15$

6. Give short notes on the following :
 - (a) Python statement
 - (b) Multiline statement
 - (c) Python indentation
 - (d) Python comments.

(3)

7. Write a Python script to find the square root of a number without using built-in functions.
8. Write a note on Python strings.

Section-C

(Detailed Answer Type Questions)

Attempt any *three* questions out of the following five questions. Each question carries 15 marks.

Answer is required in detail.

15×3=45



9. What is Python ? Explain Python libraries.
10. Discuss about Input and Output files in Python.
11. Discuss in detail about Pargas in Python with suitable example.
12. What are CSV and JSON files ? Explain with an example program the usage of JSON module in Python.

(4)

13. Describe about combining and merging data sets in Python.

