

UG 5th Semester Examination 2021

COMPUTER SCIENCE (Honours)

Paper Code : DSE-1

(Introduction to Python Programming)

[CBCS]

Full Marks: 25

Time: Two Hours

The figures in the margin indicate full marks.

Group-A

1. **Answer any *five* questions:**

$2 \times 5 = 10$

- a) Differentiate between list and tuples in Python.
- b) What is slice operation? Explain briefly.
- c) What does the self argument signify in the class methods?
- d) Explain the significance of super() function.
- e) What are local and global variables in Python?
- f) Differentiate between continue and pass statement.

Group-B

Answer any *three* questions

$5 \times 3 = 15$

- 2. (a) What is default argument in python?
(b) Explain lamda function with suitable example. $2+3=5$
- 3. (a) Write a python program that accepts a string from the user and redisplay the string after removing vowels from it. 5
- 4. (a) How are tuples a useful data structure?
(b) Differentiate between append() and insert() methods of a list. $2+3=5$
- 5. (a) Differentiate between class variable and instance variable.
(b) With the help of an example explain __init__() method. $2+3=5$