

UG 5th Semester Examination 2021

COMPUTER SCIENCE (General)

Paper Code : SEC-3

(Introduction to Python Programming)

[CBCS]

Full Marks: 32

Time: 2 hours

Group- A

(Answer any Six questions. Each question carries two marks)

[2 × 6 = 12]

1. a) What is tuple?
- b) State the Logical operators available in Python language.
- c) Define recursive function with example.
- d) What is command line argument?
- e) What is global variable?
- f) Why are functions needed?
- g) Explain `__init__()` function.

Group- B

(Answer any Two questions)

[10 × 2 = 20]

- 2) a. Explain different types of decision control statements available in Python with example.
- b. Explain different string formats available in Python with examples. 6+4=10
- 3) a. Mention the different types of iterative structure allowed in Python with example.
- b. Write a Python program that finds GCD of two positive numbers recursively. 5+5=10
- 4) a. Explain the following list methods with an example. a) `append()` b) `extend()` c) `insert()`
- d) `index()` e) `sort()` . 2 × 5=10