

U.G. 5th Semester Examination 2021

Computer Application (B.C.A)

(Honours)

Paper Code : DSE-1 (E2-a)

(Introduction to Python Programming)

[CBCS]

Full Marks: 25

Time: 2 hours

The figures in the margin indicate full marks.

Group-A

1. **Answer any *five* questions:** 2×5=10
- a) Differentiate between scripting language and programming language.
 - b) What are literals in python? Explain different literals.
 - c) What is the difference between .py and .pyc files?
 - d) What are python modules? Name some commonly used built-in modules in Python?
 - e) Does python support multiple inheritances?
 - f) Is indentation required in python?

Group-B

- Answer any *three* questions** 5×3=15
2. (a) What are the key features of python?
(b) How does break, continue and pass work? 2+3=5
3. Write a program in Python that creates a tuple from set of elements given by the user and then searches for a given element. 5
4. (a) What is a map function in Python?
(b) Is python case sensitive?
(c) What is variable length argument? 2+1+2=5
5. (a) Write a Python program that checks for prime numbers in an given interval.
(b) Explain lamda function. 3+2=5