



**B.C.A. IV Semester Degree Examination, Sept./Oct. - 2024**

**COMPUTER SCIENCE**

**DSC 10 : Python Programming**

**(NEP)**

Time : 2 Hours

Maximum Marks : 60

**SECTION - A**

**I.** Answer **all** the questions, each question carries **one** mark. **10x1=10**

1. (a) Who developed python programming ?
- (b) Which symbol is used to represent comments in python programming ?
- (c) What do you mean by function in python ?
- (d) Define string slicing in python.
- (e) What is Dictionary ?
- (f) Define Tuple.
- (g) What is polymorphism ?
- (h) Define File.
- (i) Why tkinter module is used in python GUI ?
- (j) What do you mean by data visualisation in python ?

**SECTION - B**

**II.** Answer **any four** of the following questions, each question carries **five** marks.

2. Explain while loop statement with Syntax and example. **4x5=20**
3. Explain any three string methods in python.
4. What is list ? Explain different built in functions of lists.
5. Explain creating class and objects in python with syntax and example.
6. Write a short note on Pandas.
7. Write a python program to implement stack.



**SECTION - C**

**III.** Answer **any three** of the following questions, each question carries **ten** marks.

**3x10=30**

8. Explain features of python.
9. What is an error ? Explain exception handling using try, except and finally in python.
10. What is sets in Python ? Explain different set methods with example.
11. What is inheritance ? Explain different types of inheritance with suitable example.
12. Explain the following operations on table using SQLite.
  - (a) create
  - (b) insert
  - (c) delete

- o o o -

