

BCAppMN352x-5C
B.C.A Semester - 5 (NEP-2020) Examination
Oct/Nov - 2025
Programming in Python (Minor-5)

Seat No : _____

Time: 2:00 Hours**Marks:50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que.1 Answer the following question. (Any two) (10)
- 1) Explain Python features.
 - 2) Explain Python Loops with example.
 - 3) Explain types of operators supported by Python.
 - 4) Explain data types in Python.
- Que.2 Answer the following question. (Any two) (10)
- 1) Explain Python Dictionary with its methods.
 - 2) Explain file handling functions in Python.
 - 3) What is JSON? Explain JSONEncoder and JSONDecoder class with example.
 - 4) Explain Regular Expression functions with example.
- Que.3 Answer the following question. (Any two) (10)
- 1) What is an Exception? Explain Exception Handling in Python.
 - 2) Write a short note: Inheritance and their types.
 - 3) Explain Linear search algorithm.
 - 4) Give difference between constructor V/s. destructor.
- Que.4 Answer the following question. (Any two) (10)
- 1) Explain Tkinter Message Box with example.
 - 2) Explain Tkinter Radiobutton with example.
 - 3) Explain NumPy Array Iteration with suitable example.
 - 4) Explain Plotly Express function with example.
- Que.5 Answer the following question. (Any two) (10)
- 1) Write a short note on Python Module.
 - 2) Write a Python script which is read data from CSV file.
 - 3) Explain Bubble sort algorithm.
 - 4) Explain Drawing functions with suitable example.
