



DCCA – 401

IV Semester B.C.A. Degree Examination, September/October 2023

(NEP – Freshers)

**COMPUTER APPLICATION**  
**CAC10 : Python Programming**

Time : 2½ Hours

Max. Marks : 60

**Instruction :** Answer *all* the Sections.

SECTION – A

I. Answer **any 6** questions. **Each** question carries **2** marks. (6×2=12)

- 1) What is Python ?
- 2) What is type conversion in Python ?
- 3) What is a Recursive Function ?
- 4) What is the use of Raw Strings ?
- 5) What is a nested list ?
- 6) What is a set ? Give example.
- 7) What is text file ? Give example.
- 8) What is Multilevel Inheritance ?
- 9) What is Graphical User Interface ? Give an example.

SECTION – B

II. Answer **any 4** questions. **Each** question carries **6** marks.

- 10) Explain the features of Python.
- 11) Explain types of errors with example.
- 12) Explain any three built-in functions used on List with example.
- 13) Explain Traversing, Concatenation, Slicing operations on Tuples with example.
- 14) Explain file types with example.
- 15) Explain any 6 widgets in Tkinter Module.

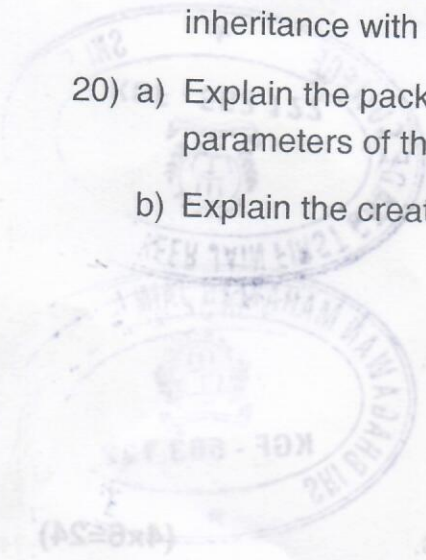


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SECTION – C

- III. Answer **any 3** questions. **Each** question carries **8** marks. **(3×8=24)**
- 16) a) Explain console input and output in Python with example. 4
  - b) Explain nested if statements in Python with example. 4
  - 17) a) Explain passing arguments in Python with example. 4
  - b) Explain any four string methods with examples. 4
  - 18) a) Explain operations on Dictionaries with example. 4
  - b) Explain Tuple methods Count (), index () with example. 4
  - 19) a) How a class is created in Python ? Write syntax with example. 4
  - b) What is an Inheritance ? Explain single inheritance and multilevel inheritance with example. 4
  - 20) a) Explain the pack layout Manager. Write the commonly used parameters of the pack() method. 4
  - b) Explain the creation of Line Chart using Matplotlib Library. 4



SECTION – B