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.   (4×6=24)

   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.

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

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