

Code No:9FC02

Date: 08-August-2024 (T.N)

**B.Tech II-Year II- Semester External Examination, August-2024 (Regular)**

**PYTHON PROGRAMMING (CSE,IT,ECM,CS,IOT)**

Time: 3 Hours

Max.Marks:60

**Note:** a) No additional answer sheets will be provided.  
b) All sub-parts of a question must be answered at one place only, otherwise it will not be valued.  
c) Missing data can be assumed suitably.

**Bloom's Cognitive Levels of Learning (BCLL)**

Remember	L1	Apply	L3	Evaluate	L5
Understand	L2	Analyze	L4	Create	L6

**Part - A**

Max.Marks: 6x2=12

**ANSWER ALL QUESTIONS, EACH QUESTION CARRIES 2 MARKS.**

	BCLL	CO(s)	Marks
1 List the various Data types in python.	L1	CO1	[2M]
2 Define a function.	L1	CO2	[2M]
3 Define a module.	L1	CO3	[2M]
4 Define Inheritance and its types.	L1	CO4	[2M]
5 Mention the use of chdir() method.	L1	CO5	[2M]
6 Describe few important aspects of Tkinter module.	L2	CO6	[2M]

**Part – B**

Max.Marks: 6x8=48

**ANSWER ALL QUESTIONS. EACH QUESTION CARRIES 8 MARKS.**

	BCLL	CO(s)	Marks
7. Write a python code to find the roots of a quadratic equation. OR	L1	CO1	[8M]
8 Explain the various conditional statements and control statements in python using example code.	L2	CO1	[8M]
9. Explain the concept of strings and its method in detail. OR	L2	CO2	[8M]
10 Write a python code to count the number of occurrences of each number in a given list of numbers.	L3	CO2	[8M]
11 Explain the various keywords used for exception handling with example code. OR	L2	CO3	[8M]
12 Explain few methods in Math module with example code.	L2	CO3	[8M]
13 Explain match function and search function in regular expressions with suitable examples. OR	L2	CO4	[8M]
14 Write a Python code to illustrate concept of over loading and overriding with example.	L1	CO4	[8M]
15 List and Explain file functions in python. OR	L1	CO5	[8M]
16 Write a python code to copy contents of one file to another.	L3	CO5	[8M]
17 Explain in detail the applications of Scipy and plotpy. OR	L2	CO6	[8M]
18 Explain briefly Tkinter widgets with an example.	L2	CO6	[8M]

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