BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: BCA **SEMESTER : IV**
BRANCH: BCA **SESSION : SP/2025**

SUBJECT: CN223 PYTHON PROGRAMMING

TIME: 3 Hours **FULL MARKS: 50**

INSTRUCTIONS:
1. The question paper contains 5 questions each of 10 marks and total 50 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
***4*. Before attempting the question paper, be sure that you have got the correct question paper.**
5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

			CO	BL
Q.1(a)	What are programming errors in Python? Explain with suitable examples	[5]	1	1
Q.1(b)	Write a Python program to find the roots of a quadratic equation.	[5]	1	3
Q.2(a)	Explain about: string slicing with examples and string comparison with an example.	[5]	2	2
Q.2(b)	Demonstrate the use of break and continue using loop in python.	[5]	2	3
Q.3(a)	Illustrate with suitable examples the following list methods in Python. i) insert() ii) append() iii) pop() iv) extend()	[5]	3	2
Q.3(b)	Explain Positional arguments, Keyword Arguments and Default arguments with suitable examples.	[5]	3	2
Q.4(a)	What are the built-in functions that are used in Tuple? What is indexing and negative indexing in Tuple?	[5]	3	2
Q.4(b)	How to create a dictionary in Python? Describe how to get all the keys and all the values from the dictionary?	[5]	3	3
Q.5(a)	Explain the following class relationships: association aggregation and composition	[5]	4	2
Q.5(b)	Write a small code to illustrate try and except statements in Python.	[5]	1	3

::::::26/04/2025::::::M