BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION MO/2023)

CLASS: BCA   SEMESTER : III
BRANCH: BCA   SESSION : MO/2023

SUBJECT: CA309 INTRODUCTION TO PYTHON PROGRAMMING
TIME: 02 Hours   FULL MARKS: 25

INSTRUCTIONS:
1. The question paper contains 5 questions each of 5 marks and total 25 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. **Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates**

			CO	BL
Q.1(a)	Explain the difference between eval(), int() and float() functions.	[2]	1	1
Q.1(b)	Explain the various features of python programming language.	[3]	1	1
Q.2(a)	Explain the working of logical operators (and, or, not) with suitable example.	[2]	1	1
Q.2(b)	Explain the various data types available in python with suitable example.	[3]	1	1
Q.3(a)	Explain the working of following built-in functions 1) round() 2) abs() 3) format() 4) type()	[2]	2	2
Q.3(b)	Write a program to ensure a 4 digit year generated randomly is a leap year or not.	[3]	2	3
Q.4(a)	Write a program of your choice to show the working of break and continue statement.	[2]	2	3
Q.4(b)	Write a program to count the words and characters in a given input line.	[3]	2	3
Q.5(a)	Explain the difference between positional and keyword arguments with suitable example.	[2]	3	2
Q.5(b)	Write a program to implement a function to find the LCM of two numbers. Taking the input and show the result also.	[3]	3	3

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