

Enroll No

Q. P. Code
UF 3025

Unit Test -I (2025-26)

S.Y. B. Tech.- Electronics & Telecommunication Engineering

Course Code: MGB2054 **Course Name:** Core Python Programming

Day & Date: Wednesday, 13/08/2025

Time: 01:00 pm to 02.00 pm

Max Marks- 25

- Instructions:**
- 1) All questions are compulsory.
 - 2) Figures in rounded () brackets within the question indicate the scheme of marking for the respective part of the question, whereas figures in the first right column indicate total marks for that whole question.
 - 3) CO is the index number of the Course Outcome statement.
 - 4) The Bloom's taxonomy level (BL) for 1,2,3,4,5, and 6 is remember, understand, apply, analyze, evaluate, and create, respectively.
 - 5) Assume suitable data if necessary.
 - 6) Use of non-programmable calculators is allowed

			Marks	BT Level	COs
Q.1	A	Elaborate on Python's development history, highlighting the major milestones.	08	2	CO1
	B	Write a Python program to calculate the area of a rectangle using arithmetic operators.	08	3	CO1

OR

Write a Python program that takes two numbers and performs all arithmetic operations on them, and displays the result.

Q.2	A	State the syntax of a simple if statement in Python and discuss it with a suitable example.	09	3	CO2
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OR

Write a Python program using if-else to check whether a student is PASS or FAIL. (marks \geq 40 PASS, otherwise FAIL)

