

CBCS SCHEME

USN

18A124MT415

BMT306C

Third Semester B.E./B.Tech. Degree Examination, June/July 2025 Python Programming

Time: 3 hrs.

Max. Marks: 100

*Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.*

Module – 1			M	L	C
Q.1	a.	Explain the architecture of computer hardware with a neat block diagram.	10	L2	CO1
	b.	List and explain the building blocks of Python program with an example.	10	L2	CO1
OR					
Q.2	a.	Outline the steps involved in debugging process in python program execution.	10	L2	CO1
	b.	Explain the operations available and their procedure of execution with a python program.	10	L2	CO1
Module – 2					
Q.3	a.	Illustrate logical operator available in python with its type and example.	10	L2	CO2
	b.	Demonstrate a code segment for catching exception using try and except.	10	L2	CO2
OR					
Q.4	a.	Explain the indentation error in python for conditional exception.	10	L2	CO2
	b.	Explain any five built-in functions with code segment.	10	L2	CO2
Module – 3					
Q.5	a.	Illustrate while loop with suitable code in python.	10	L2	CO3
	b.	Illustrate for loop with suitable code in python.	10	L2	CO3
OR					
Q.6	a.	List any five string methods and demonstrate the same with python program.	10	L2	CO3
	b.	Write a Python program to show strings are immutable and give an example.	10	L2	CO3
Module – 4					
Q.7	a.	Write a python program to print all the lines in a file when a line match with a specific substring.	10	L2	CO4
	b.	Write a program to demonstrate open, try and except from user input file in python.	10	L2	CO4
OR					
Q.8	a.	Write a program to show character matching using regular expression.	10	L2	CO4
	b.	Write a program to show search and extract from the input file using regular expression.	10	L2	CO4
Module – 5					
Q.9	a.	Explain the concept of traversing a list in python with example.	10	L2	CO5
	b.	Illustrate a python program to show list arguments with example.	10	L2	CO5
OR					
Q.10	a.	Outline various ways to count in a dictionary.	10	L2	CO5
	b.	Illustrate the tuple assignment with an example.	10	L2	CO5
