BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)
II-BCA I-Semester Model Paper (BR24), Jan- 2026
Python Programming (BCA)

Time: 3 hours   Max. Marks: 70

Question Paper consists of Part-A and Part-B
*Answer **ALL** the question in **Part-A and Part-B***

PART–A (10X2 = 20M)

		Marks	CO	BL
1. a)	List Application of python programming	(2M)	CO 1	BL1
b)	How to assign multiple values to variables	(2M)	CO 1	BL1
c)	List various data types in python programming	(2M)	CO 2	BL1
d)	List various operators in python programming	(2M)	CO 2	BL1
e)	Give an example for List comprehension	(2M)	CO 3	BL1
f)	Compare list and tuples	(2M)	CO 3	BL1
g)	Define fruitful functions in Python	(2M)	CO 4	BL1
h)	Define anonymous function	(2M)	CO 4	BL1
i)	Write a brief note on PIP	(2M)	CO 5	BL1
j)	Differentiate between class variables and instance variables.	(2M)	CO 5	BL1

PART–B (5X10 = 50M)

2a.	Example input and output statements in python programming with example.	(5M)	CO 1	BL1
b.	List and explain key features of python programming	(5M)	CO 1	BL4
	(OR)			
3a.	Explain the Identifiers, Keywords, Statements, Expressions, and Variables in Python programming language with examples.	(5M)	CO 1	BL2
b.	Explain the rules for writing identifiers. Write any four keywords in Python	(5M)	CO 1	BL5

4a.	Explain any various string methods in python with example	(5M)	CO 2	BL2
b.	Create a python program to demonstrate the usage of Logical, Membership operators	(5M)	CO 2	BL6
	(OR)			
5a.	Illustrate various conditional statements used in python programming	(5M)	CO 2	BL2
b.	Compare and contrast for loop and while loop with example	(5M)	CO 2	BL2

6a.	List and explain various methods of Dictionary structure.	(10M)	CO 3	BL1
	(OR)			
7a.	List and explain various methods of List structure	(10M)	CO 3	BL4

8a.	Discuss about variable length arguments with suitable program.	(5M)	CO 4	BL6

b.	Discuss about default arguments with suitable program	(5M)	CO 4	BL6
	(OR)			
9a.	What are the different function prototypes? Explain with suitable examples	(10M)	CO 4	BL1

10a	List out the types of Modules and Explain any two types in detail.	(5M)	CO 5	BL4
b.	How to create a user defined exception? Explain.	(5M)	CO 5	BL1
	(OR)			
11a	Explain installing packages via PIP.	(5M)	CO 5	BL5
b.	How to handle an exception using try except block? Explain with the help of a program.	(5M)	CO 5	BL1

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