

Course Code: 24BC3T07

BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY & SCIENCE  
(AUTONOMOUS)

II - BCA I-Semester Regular Examinations (BR24), Jan/Feb - 2026

Python Programming (BCA)

Time: 3 hours

Max. Marks: 70

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*Question Paper consists of Part-A and Part-B*  
*Answer ALL the question in Part-A and Part-B*  
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PART-A (10X2 = 20M)

	Marks	CO	BL
1. a) Write the applications of Python.	(2M)	CO1	L1
b) Describe the history of Python.	(2M)	CO1	L2
c) Describe various data types using in python	(2M)	CO2	L2
d) Explain about break statement in python with example	(2M)	CO2	L2
e) What is tuple? Explain declaration of tuple.	(2M)	CO3	L1
f) Differentiate between List and Tuple.	(2M)	CO3	L4
g) Define Local and Global Variable.	(2M)	CO4	L1
h) Define anonymous function	(2M)	CO4	L1
i) What is PIP? explain it.	(2M)	CO5	L1
j) What is user defined Exception.	(2M)	CO5	L1

PART-B (5X10 = 50M)

2a. Explain Features of Python.	5(M)	CO1	L2
b. Write how to declare input and output statements in python with syntax and example.	5(M)	CO1	L1
(OR)			
3a. Explain Declaration of Variables and assignment of variables with syntax and examples and also explain keywords in python.	5(M)	CO1	L2
b. Explain the procedure for how to running python scripts.	5(M)	CO1	L5
4a. Explain Conditional statements in python with syntax example.	5(M)	CO2	L2
b. Write about While and For Statement in python with syntax and Examples.	5(M)	CO2	L2
(OR)			
5a. Write a Python program to calculate biggest of 3 Numbers.	5(M)	CO2	L1
b. Explain about various Operators using in python with example.	5(M)		L2
		CO2	

6	What is List? Explain how to declare List with Example and also explain various Operations working with a List.	10(M)	CO3	L2
(OR)				
7	What is Dictionary? Explain Various operations working in Dictionary with Example?	10(M)	CO3	L2
8a.	What is Function? Explain how to define Function in python with example.	5(M)	CO4	L1
b.	Explain about variable Length arguments in python with Example.	5(M)	CO4	L2
(OR)				
9	What are the different Function Prototypes? Explain with examples.	10(M)	CO4	L1
10a	What is Module? Explain Different Modules using in python with Example.	5(M)	CO5	L2
b.	What is Package? Explain Various Packages using in python with Example?	5(M)	CO5	L1
(OR)				
11	What is Exception? Explain about try and except block in python with syntax and Example.	10(M)	CO5	L2

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