

	DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE Regular and Supplementary – Summer 2024 Course: B. Tech. Branch: Electronics & Computer Engineering / Electronics and Computer Science Engineering Semester :IV Subject Code & Name: BTECPC401 Python Programming Max Marks: 60 Date:12/06/2024 Duration: 3 Hrs.			
	Instructions to the Students: 1. All the questions are compulsory. 2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question. 3. Use of non-programmable scientific calculators is allowed. 4. Assume suitable data wherever necessary and mention it clearly.			
		(Level/CO)		Marks
Q. 1	Solve Any Two of the following.			12
A)	Explain history of python.	CO1		6
B)	State and explain different features of python	CO2		6
C)	State atleast six differences between python programming language and 'C' programming.	CO4		6
Q.2	Solve Any Two of the following.			12
A)	Enlist different datatypes in python. Explain how to declare and initialize each datatypes with example.	CO4		6
B)	What is the output of following code in python? <pre> a=2 b=1 print('a+b =',a+b) print('a-b =',a-b) print('a**b =',a**b) print('a%b =',a%b) </pre>	CO4		6
C)	What do you mean by Slicing? If given list is List=[1, 2, 3, 4, 5, 6, 7, 8, 9] How to print only even numbers from above list using slicing?	CO4		6
Q. 3	Solve Any Two of the following.			12
A)	What do you mean by Function in python? Explain importance of user defined function.	CO1		6
B)	What are different types of arguments explain in brief.	CO1		6
C)	Explain How to install PANDAs and NUMPY packages in python?	CO3		6
Q.4	Solve Any Two of the following.			12
A)	What is OOPs? Explain different features of OOPs.	CO1		6

B)	Explain important Exception handling Classes in python?	CO1	6
C)	Explain following Exceptions. a) IO Error b) EOF Error c)Import Error	CO4	6
Q. 5	Solve Any Two of the following.		12
A)	Explain the advantages of storing data in files.	CO1	6
B)	Explain in steps how to open, close and Save the files in python	CO4	6
C)	Write a short note on Zipping and unzipping files.	CO4	6
	*** End ***		