



B.Tech V Semester Regular/Supplementary Examinations, February 2024
Python Programming
(ECE)

Maximum Marks: 70

Date: 17.02.2024 Duration: 3 hours

- Note:**
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A		CO	Bloom Tx
All the following questions carry equal marks		(10x2M=20 Marks)	
1	List any four features of python programming.	CO1	2
2	Predict the output for the following code snippet <pre>string1 = "Engineering College" print("g" in string1) print("a" in string1).</pre>	CO1	2
3	Write a python program to check whether the number is even or odd using if-else statements.	CO2	3
4	Write a python program to find the factorial of a number using recursive function.	CO2	3
5	Write any four methods of list.	CO3	2
6	What is a negative index in python?	CO3	3
7	What is lambda function in python?	CO4	3
8	How we can modify a string in python?	CO4	3
9	What is NumPy? How to declare arrays using NumPy?	CO5	3
10	Write a Pandas program to get the items of a given series not present in another given series.	CO5	3
Part-B			Bloom Tx level
Answer All the following questions.		(5X10M=50Marks)	
11	Explain different Data types in python with an example. [10M]	CO1	3
OR			
12	List different operators in python, in the order of their precedence. [10M]	CO1	3
13	Write a python program to find whether a number is prime number or not. [10M]	CO2	3

	OR		
14	Good day. Hope you are doing good. Have a great year ahead. Write a python program to count the number of characters, words and lines in the given text. [10M]	CO2	3 3
15	What is meant by tuple and how it is created? What are the built-in functions used in tuple? Explain with suitable example. [10M]	CO3	3
	OR		
16	Explain in detail about dictionaries in Python. list out the operations and methods with example. [10M]	CO3	3
17	Explain the string methods in Python. [10M]	CO4	3
	OR		
18	Define function in python. Write a program to Create a function with variable length of arguments 10M	CO4	3
19	How to Create a 1-D and 2-D NumPy array explain in detail 10M	CO5	3
	OR		
20	Define Pandas. How to Create Pandas DataFrame from Dictionary of numpy array/List 10M	CO5	3