

Assignment

Topic: Advance Python

Marks : 35

	Solve the given Problems.	Marks
Q.1	a) Write python code to create two arrays of 9 random number from uniform distribution b) Convert it to (3*3) c) Multiply two reshaped arrays	5
Q.2	list1 = [23, 34, 43, 58, 25] a) Convert list1 to array b) Write a python code to calculate the sum of all elements in the given list using NumPy? c) Subtract 5 from each element of the array.	5
Q.3	Write a python program to solve the following questions. List1 = [i for i in range (1,5)] a) Convert this list to an array. b) Convert array into (2*2) dimension c) Create a diagonal matrix with diagonal elements in list1.	5
Q.4	Write a python code to find even and odd numbers between (1,101)?	5
Q.5	Define a function to check whether a number is in a range (100,1000) or not in range?	5
Q.6	Write a python code to find the factorial of any given number using a user-defined function?	5
Q.7	arr1 = np.array ([[545,421,156], [250,157,166], [640,325,356], [282,570,753]]) Calculate Mean, Minimum, Maximum and SD of given array	5

