

SARALA BIRLA PUBLIC SCHOOL

Birla Knowledge City, Mahilong, Ranchi
CLASS-XII (2020-21)

Sub: INFORMATICS PRACTICE Assignment-1

NumPy

- Q1. WAP to perform basic arithmetic operations on 1D array.
- Q2. WAP to find the maximum, minimum, sum, mean and median on 1D array (use aggregate functions).
- Q3. WAP to compute the variance for the given dataset (use in-built function):

dataset = [2,6,8,12,18,24,28,32]

- Q4. WAP to calculate the covariance matrix and covariance value . The value of x and y are as (use in-built function) .

x = [10,20,30,40,50,60,70,80,90]

y = [90,80,70,60,50,40,30,20,10]