

SHIVAJI COLLEGE, UNIVERSITY OF DELHI
DEPARTMENT OF ECONOMICS
INTERNAL TEST (Academic Year 2023-24)

Name of the Course : B.A.(P) Semester: 2
Name of the Paper : Basic Statistics for Economics Faculty Name : Nikita Gupta
Duration : 50 minutes Maximum Marks: 15
Date : 07.05.2024

Instructor Name-Ms. Nikita Gupta

Attempt all Questions.

Q1 Calculate range, variance and standard deviation of the following sample data: (4)
7, 0, -5, -1, 11, 25

Q2 What percentage of observations would lie in (4)
i) $\bar{x} \pm s$ ii) $\bar{x} \pm 2s$.
according to Chebyshev and empirical rule.

Q3

X	P(X)
0	0.2
1	0.2
2	0.2
3	0.2
4	0.2

- a) Calculate expected value.
b) Calculate standard deviation. (4)

Q4 What is a random variable? Describe the types of random variables. (3)

[Type here]

Nikita

Faculty Signature: Nikita Gupta