



Date: 12-11-2024

Dept. No.

Max. : 100 Marks

Time: 09:00 am-12:00 pm

SECTION A

Answer ANY FOUR of the following

4 x 10 = 40 Marks

1. Explain Graphical Representation.
2. Discuss Random Variable.
3. Comment on the concept of probability.
4. State the principle of Poisson distribution.
5. Write note on Regression.
6. Throw light on simple and multiple linear regression.
7. Differentiate between Type I & Type II error.
8. What is the relationship between standard deviation and variance?

SECTION B

Answer ANY THREE of the following

3 x 20 = 60 Marks

9. Briefly explain the nature and scope of statistics.
10. What is Expected value? Use an example to support.
11. Explain in brief the properties of Binomial Distribution.
12. Bring out the applications of Coefficient Correlation.
13. Discuss the types of scattergrams.
14. Calculate Pearson's Coefficient of correlation from the following data. Take 65 and 70 as the assumed average of the variate X and Y respectively:

X	45	55	56	58	60	65	68	70	75
Y	56	50	48	60	62	64	65	70	74
