CORE COURSE: GYP-459: Statistical Methods in Geography

Course Learning Outcomes:

CO1. Understand the basic concept of statistical methods.
CO2. Analyze the significance of spatial measures of dispersion in statistics.
CO3. Analyze the measures of central tendency models in the real world with different perspectives.
CO4. Understand the concept of process of data.

Exercise No	Title of the Exercise (Total 52 Hrs.)
1	Processing of Data: Data, Preparation of Frequency Table.
2	Graphical Presentation of Frequency- Histograms.
3	Frequency Polygon and O-give Curves.
4	Measurement of Central Tendency- Meaning, Use.
5	Mean, Median and Mode- Ungrouped data.
6	Mean, Median and Mode- Grouped data.
7	Measures of Dispersion: Mean Deviation- grouped and Ungrouped
8	Standard Deviation- Grouped and Ungrouped
9	Quartile Deviation- Grouped and Ungrouped
10	Co-efficient Variation, Quartiles, Deciles and Percentiles- Ungrouped data.
11	Co-efficient Variation, Quartile, Deciles and Percentiles- grouped data
12	Measures of Association: Correlation- Meaning and Methods
13	Rank Order Correlation
14	Product Moment Correlation
15	Regression Coefficient

References:

1. Haymond and Mccullah (1974): Quantitative techniques in geography, An introduction, Oxford London.
2. Aslam Mohamed (1977): Statistical Methods in Geographical Studies, Rajesh Publications, New Delhi.
3. Gupta C.B. (1979): An introduction to statistical methods, Vikas publishing house pvt. Ltd. New Delhi.
4. Murray R. Spiegal (1972): Theory and problems of statistics, Mc. Grawhill Book co. New York.
5. Singh R.L. (1979): Elements of Practical Geography, Kalyani Publishers, New Delhi