

# **GEOG-510 QUANTITATIVE TECHNIQUES IN GEOGRAPHY**

## **BLOCK-1 STATISTICAL METHODS**

Unit-1 Measure of dispersion: variability, Range, mean deviation, Quartile deviation, Standard deviation

Unit-2 Sampling theory: Basic concepts of probability, test & significance ‘t’ test & ‘chi square’ test, central tendency, mean, median, mode, central tendency,

Unit-3 Correlation: Karl Pearson & Spearman’s Regression analyses Cartography & representation of socio-economic data: dots, proportional squares, circles, spheres, choropleth, star & scatter diagrams, Ergographs, flow line diagrams.

Unit-4 Contouring and Determination of Heights with Indian Pattern Clinometer.

**Lab Work**          60-Marks

**Practical work**    40-Marks

### **Distribution of Marks of Practical Work**

1-Record work.....20 Marks

2-Viva-voice.....20 Marks