MANGALORE UNIVERSITY
MSc Geography

GYP 557: Research Techniques in Human Geography

Course Learning Outcomes:
CO1: understand network analysis and shortest path matrix in research techniques in human geography.
CO2: understand population potential and Centro graphic analysis in techniques in human geography.
CO3: Analyse the nearest neighbor and functional classification of towns.
CO4: Analyse the crop combination and crop diversification method in research techniques.
CO5: evaluate the crop intensity.

Unit1: Network analysis: Alfa, beta and gamma indices, accessibility matrices: 'C' matrix and shortest path matrix.   - 13

Unit 2: Nearest neighbor analysis, location quotient, rank size relationship, functional classification of towns.   - 14

Unit3: Analysis of crop combination and mapping – J.C. Weaver's, and Doi's. Crop diversification and crop intensity.   -14

Unit 4: Index of diversification, population potential and cento graphic analysis.
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References:
1. Aslam Mohamood (1977) Statistical Methods in Geographical Studies, Rajesh Publications, New Delhi
2. Gupta C.B. (1979) An Introduction to Statistical Methods, Vikas Publishing House Pvt. Ltd. New Delhi.
3. Murray R.
4. Toffee R. Transportation Geography, Prentice Hall Publication, New York.