

Practical Plan

Name of the college: Government College of Arts, Science and Commerce, Sanquelim - Goa

Name of Faculty: Ms. Hema Umesh Sawant

Subject: Geography

Paper code & name: GEC107: Practicals in Regional Planning and Development

Program: T.Y.B.A.

Division:

Academic year: 2024 – 2025

Semester: VII

Total Practicals/Labs: 12

Course Objectives: This is an introductory paper which is intended to acquaint the students with statistics of regional development.

Expected Course Outcome: At the end of this course students will able to gain the knowledge about the potentiality and applicability of statistics.

Student Learning Outcome: Students will learn to analyse spatial data using various methods to identify patterns, measure inequality, and assess regional development. They will understand concepts like weighted index, breaking point analysis, location quotient, Sopher index, HDI, and GDI, and apply them to real-world scenarios.

Month	Practicals/Labs Scheduled Date	No. of Practicals/Labs planned	List of Experiments	Reference books
July	17/07/2024	01	Introduction to Syllabus and Delineation Method	Gopal Singh: Map Works and Practical Geography (2021) R. L. Singh & B.P. Rana Singh Elements of Practical Geography (2015)
	24/07/2024	01	Delineation of Formal Region	Gopal Singh: Map Works and Practical Geography

			by Weighted Index Method	(2021) R. L. Singh & B.P. Rana Singh Elements of Practical Geography (2015)
	31/07/2024	01	Variable Index Method	Gopal Singh: Map Works and Practical Geography (2021) R. L. Singh & B.P. Rana Singh Elements of Practical Geography (2015)
August	07/08/2024	01	Delineation Method of Functional Regions by Breaking Point Analysis	Gopal Singh: Map Works and Practical Geography (2021) R. L. Singh & B.P. Rana Singh Elements of Practical Geography (2015)
	14/08/2024	01	Delineation Method of Functional Regions by Breaking Point Analysis	Gopal Singh: Map Works and Practical Geography (2021) R. L. Singh & B.P. Rana Singh Elements of Practical Geography (2015)
	21/08/2024	01	Measures of Inequality based on Location Quotient	Gopal Singh: Map Works and Practical Geography (2021) R. L. Singh & B.P. Rana Singh Elements of Practical Geography (2015)
	28/08/2024	01	Location Quotient	Gopal Singh: Map Works and Practical Geography (2021) R. L. Singh & B.P. Rana Singh Elements of Practical Geography (2015)
September	04/09/2024	01	Measuring regional disparity by Sopher index	Gopal Singh: Map Works and Practical Geography (2021) R. L. Singh & B.P. Rana Singh Elements of Practical Geography (2015)
	18/09/2024	01	Measures of Inequality: Index of Dissimilarity, Gini Coefficient and Location Quotient	Gopal Singh: Map Works and Practical Geography (2021) R. L. Singh & B.P. Rana Singh Elements of Practical Geography (2015)
	25/09/2024	01	Measures of Inequality: Index	Gopal Singh: Map Works and Practical Geography

October			of Dissimilarity, Gini Coefficient and Location Quotient	(2021) R. L. Singh & B.P. Rana Singh Elements of Practical Geography (2015)
	09/10/2024	01	Measures of Interaction and Spatial Distribution: Nearest Neighbour Analysis, Rank-Size Rule (Zipf, Berry),	Gopal Singh: Map Works and Practical Geography (2021) R. L. Singh & B.P. Rana Singh Elements of Practical Geography (2015)
	16/10/2024	01	Computation of Human Development Index and ranking of countries and Indian states based on HDI and GDI Revision	Gopal Singh: Map Works and Practical Geography (2021) R. L. Singh & B.P. Rana Singh Elements of Practical Geography (2015)