CURRICULUM PLAN, 2025-2026

B.A. (Hons.)

Geography

Semester – II (NEP)

Name of the Teacher: Dr. Usha K. Pathak and

Dr. Geeta Kumari

Paper Name: STATISTICAL METHODS IN GEOGRAPHY

Unit No.	Name of Topic	Tutorial/Assignment/ Presentation etc.	Allocation of Lectures	Assessment Tasks	Teaching and Learning Activity
1	Data in Geography: Sources of Data, Scales of Measurements in Geography, Tabulation, Frequency Distribution, Geographical Data Matrix.	• Sources of Data • Scales of Measurements in Geography • Tabulation • Frequency Distribution • Geographical Data Matrix.	(20) 2ndJan -20th Feb 2026	Assignments, Hands-on Exercise, classroom test.	Classroom Lectures, Practical
2	Descriptive Statistics: Central Tendencies – Mean, Median, Mode; Measures of Partitions - Quartile, Decile, Percentile; Measures of Dispersion- Standard Deviation and Coefficient of Variation; Spatial Centro-graphic Techniques – Simple Mean Centre, Median Centre	• Mean, Median, Mode; • Quartile, Decile, Percentile; • Standard Deviation and Coefficient of Variation; • Simple Mean Centre, Median Centre	(30) 21th Feb -20 th March 2026	Assignment s, Hands-on exercise, classroom test.	Classroom Lectures, Practical

3	**Sampling Methods: Sampling (Simple Random, Systematic, and Stratified); and Non-probability sampling.**	. • **Sampling (Simple Random, Systematic, and Stratified);** • **Non-probability sampling.**	**(20) 21th March- 30 th March 2026**	**Assignments, Hands-on exercise,**	**Classroom Lectures, Practical**
4	**Theoretical Distribution: Concept of Probability Distribution (Theoretical only), Normal Distribution – Characteristics, Area under Normal Curve.**	• **Concept of Probability Distribution (Theoretical only),** • **Normal Distribution – Characteristics, Area under Normal Curve.**	**(10) 1st April – 8 th April 2026**	**Assignments, Hands-on exercise, classroom test.**	**Classroom Lectures, Practical**
5	**Relationship Analysis: Correlation - Spearman's and Karl Pearson's coefficient of correlation; Simple Regression.**	• **Correlation - Spearman's and Karl Pearson's coefficient of correlation;** • **Simple Regression.**	**(20) 10th April - 17 th April 2026**	**Assignments, Hands-on exercise, classroom test,**	**Classroom Lectures, Practical**