

## CURRICULUM PLAN, 2024-2025

**B.A. (Hons.)**

**Geography**

**Semester – II (NEP)**

**Name of the Teacher: Dr. USHA K. PATHAK**

**Paper Name: STATISTICAL METHODS IN GEOGRAPHY**

<b>Unit No.</b>	<b>Name of Topic</b>	<b>Tutorial/Assignment/ Presentation etc.</b>	<b>Allocation of Lectures</b>	<b>Assessment Tasks</b>	<b>Teaching and Learning Activity</b>
<b>1</b>	<b>Data in Geography: Sources of Data, Scales of Measurements in Geography, Tabulation, Frequency Distribution, Geographical Data Matrix.</b>	<ul style="list-style-type: none"><li>• Sources of Data</li><li>• Scales of Measurements in Geography</li><li>• Tabulation</li><li>• Frequency Distribution</li><li>• Geographical Data Matrix.</li></ul>	<b>(20)</b> <b>17th Jan -20<sup>th</sup> Feb 2025</b>	<b>Assignments, Hands-on Exercise, classroom test.</b>	<b>Classroom Lectures, Practical</b>
<b>2</b>	<b>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</b>	<ul style="list-style-type: none"><li>• Mean, Median, Mode;</li><li>• Quartile, Decile, Percentile;</li><li>• Standard Deviation and Coefficient of Variation;</li><li>• Simple Mean Centre, Median Centre</li></ul>	<b>(30)</b> <b>21th Feb -20 th March 2025</b>	<b>Assignment s, Hands-on exercise, classroom test.</b>	<b>Classroom Lectures, Practical</b>

3	<b>Sampling Methods:</b> Sampling (Simple Random, Systematic, and Stratified); and Non-probability sampling.	<ul style="list-style-type: none"> <li>• Sampling (Simple Random, Systematic, and Stratified);</li> <li>• Non-probability sampling.</li> </ul>	(20) 21 <sup>th</sup> March- 10 <sup>th</sup> April 2025	Assignments, Hands-on exercise,	Classroom Lectures, Practical
4	<b>Theoretical Distribution:</b> Concept of Probability Distribution (Theoretical only), Normal Distribution – Characteristics, Area under Normal Curve.	<ul style="list-style-type: none"> <li>• Concept of Probability Distribution (Theoretical only),</li> <li>• Normal Distribution – Characteristics, Area under Normal Curve.</li> </ul>	(10) 12 <sup>th</sup> April - 22 <sup>th</sup> April 2025	Assignments , Hands-on exercise, classroom test.	Classroom Lectures, Practical
5	<b>Relationship Analysis:</b> Correlation - Spearman's and Karl Pearson's coefficient of correlation; Simple Regression.	<ul style="list-style-type: none"> <li>• Correlation - Spearman's and Karl Pearson's coefficient of correlation;</li> <li>• Simple Regression.</li> </ul>	(20) 23 <sup>th</sup> April - 10 <sup>th</sup> May 2025	Assignments, Hands-on exercise, classroom test,	Classroom Lectures, Practical