

**CURRICULUM PLAN, 2023-2024**

**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>
1	<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>	(20) 17th Jan -20 <sup>th</sup> Feb 2024	Assignments, Hands-on Exercise, classroom test.	Classroom Lectures, Practical
2	<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>	(30) 21th Feb -20 th March 2024	Assignment s, Hands-on exercise, classroom test.	Classroom Lectures, Practical

3	<b>Sampling Methods: Sampling (Simple Random, Systematic, and Stratified); and Non-probability sampling.</b>	<ul style="list-style-type: none"> <li>• <b>Sampling (Simple Random, Systematic, and Stratified);</b></li> <li>• <b>Non-probability sampling.</b></li> </ul>	<b>(20) 21th March- 10 th April 2024</b>	<b>Assignments, Hands-on exercise,</b>	<b>Classroom Lectures, Practical</b>
4	<b>Theoretical Distribution: Concept of Probability Distribution (Theoretical only), Normal Distribution – Characteristics, Area under Normal Curve.</b>	<ul style="list-style-type: none"> <li>• <b>Concept of Probability Distribution (Theoretical only),</b></li> <li>• <b>Normal Distribution – Characteristics , Area under Normal Curve.</b></li> </ul>	<b>(10) 12th April - 22th April 2024</b>	<b>Assignments , Hands-on exercise, classroom test.</b>	<b>Classroom Lectures, Practical</b>
5	<b>Relationship Analysis: Correlation - Spearman's and Karl Pearson's coefficient of correlation; Simple Regression.</b>	<ul style="list-style-type: none"> <li>• <b>Correlation - Spearman's and Karl Pearson's coefficient of correlation;</b></li> <li>• <b>Simple Regression.</b></li> </ul>	<b>(20) 23th April - 10 th May 2024</b>	<b>Assignments, Hands-on exercise, classroom test,</b>	<b>Classroom Lectures, Practical</b>