**CURRICULUM PLAN 2023-24**

**B.A. (H) Geography**

**Semester – II (NEP)**

**Name of the Teacher: Prof. Seema Sahdev**

**Paper Name & Paper Code: Statistical Methods in Geography**

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| **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 | Test | 2 weeks (19th Jan ,2024– 30th Jan 2024) | Assignments, Hands-on Practice | Classroom Lectures, PPTs, documentaries, discussions and tutorials |
| 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 – Mean Centre, Median Centre. | Test | 5 weeks (1st Feb 2024 – 5th March 2024) | Assignments, Hands-on Practice | Classroom Lectures, PPTs, documentaries, discussions and tutorials. |
| 3 | Sampling Methods: Sampling (Simple Random, Systematic, and Stratified); and Nonprobability sampling. | Test | 6 weeks (6th March 2024 – 19th April 2024  ) | Assignments, Hands-on Practice | Classroom Lectures, PPTs, documentaries, discussions, fieldworks and tutorials. |
| 4 | Theoretical Distribution: Concept of Probability Distribution (Theoretical only), Normal Distribution – Characteristics, Area under Normal Curve. | Test | 1 weeks (22 April 2024- 30th April 2024) | Assignments, Hands-on Practice | Classroom Lectures, PPTs, documentaries, discussions and tutorials. |
| 5 | Relationship Analysis: Correlation - Spearman’s and Karl Pearson’s coefficient of correlation; Simple Regression. | Test | 2 weeks (1st May 2024- 12th may 2024) | Assignments, Hands-on Practice | Classroom Lectures, PPTs, documentaries, discussions and tutorials. |