**Lesson Plan BA 3rd (Geography) Session- 2023-24 (Even)**

**Govt. College Kheri Chopta (Hisar) Department of Geography**

**Teacher’s Name: Anil Paper: Introduction to Remote Sensing, GIS &**

**Quantitative Methods**

Week 1 Basic of Remote Sensing, EMR

Week-2 Remote Sensing Sensor and Platform

Week-3 Sensor Resolution and their Type

Week-4 Development of Remote Sensing Technology; Type of Satellite imageries and its use in Natural

Resources Management in India

Week-5 Introduction of Aerial Photographs and Its type

Week-6 Element of Aerial Photo Interpretation

Week-7 Introduction to Geographical Information System; Definition and Purpose

Week-8 Advantage of GIS, Requirement of Software and Hardware

Week-9 Application of GIS in Various Field of Geography

Week-10 Application of GIS in Various Field of Geography

Week-11 Measurement of Central Tendency- Mean and Median

Week-12 Measurement of Central Tendency; Mode, Measurement of Dispersion; Range and Quartile Deviation

Week-13 Measurement of Dispersion; Mean Deviation, Standard Deviation

Week-14 Measurement of Dispersion; Coefficient of Variation

**Teacher’s Signature**

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| **CLASS: M.Sc. Geography 1st Year 2nd Semester** | |
| Week 1 | 1. Nature, Scope and Significance of Agricultural Geography. |
| Week 2 | 2. Origin and Dispersal of Agriculture. |
| Week 3 | 3. Determinants of Agricultural Patterns: Physical, Technological and Cultural factors |
| Week 4 | 4. Concepts of Land Capability Survey, Landuse and Cropping pattern. |
| Week 5 | 5. Approaches in Agricultural Regionalization: Von Thunen Model of Agricultural Land use, |
| Week 6 | Crop Combination, Concentration and Diversification. |
| Week 7 | 6. Agro-climatic Zonation : Concept and Indian experience. |
| Week 8 | 7. Bases of identification of Agricultural Systems by Whitllesey and Agricultural Typology by Kostrowiki. |
| Week 9 | 8. Measurements of Regional Imbalances in Agricultural Productivity. |
| Week 10 | 9. Green revolution: Its Impacts and Consequences in India. |
| Week11 | 10. Food Production and Security in India. |
| Week 12 | 11. Neo-liberalization and Indian Agriculture. |
| Week 13 | 12. Agriculture and Climate Change: Impacts and Adaptation. |
| Week 14 | REVISION |

***Lesson Plan for Even Semester 2023-24***

**Name of Associate Professor: Sh. Anil**

**Class and Section: M.SC. 2ndSemester**

**Subject: Morphometric Analysis (Practical) *Paper Code: 601***

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| **Week No.** | **Dated** | **Topic to be Taught** |
| **1** | **Week 1** | Interpretation of Toposheets : (a) Physical features  Interpretation of Toposheets : (b) Cultural features |
| **2** | **Week 2** | Delineation of Watershed  Profile Analysis: Transverse and Longitudinal |
| **3** | **Week 3** | Serial Profiles and Superimposed Profiles  Composite Profiles and Projected Profiles  Longitudinal or valley Thalweg Profile |
| **4** | **Week 4** | Linear Aspects of streams :Relationship between stream order and stream Number and Relationship between stream order and Average stream length |
| **5** | **Week 5** | Areal Aspects of streams: Drainage Frequency  Areal Aspects of streams: Drainage Density |
| **6** | **Week 6** | Relief Aspect of Streams: Area Height Curve and Altimetric frequency curve |
| **7** | **Week 7** | Relief Aspect of Streams: Hypsographic Curve, Hypsometric Integral Curve and Clinographic or clinometric curve |
| **8** | **Week 8** | Slope Analysis: Wentworth’s Method of Average Slope |
| **9** | **Week 9** | Slope Analysis : G. H. Smith’s Method of Relative Relief |
| **10** | **Week 10** | Doubt Classes |
| **11** |  | Final Practical Exam |