

Tau Devi Lal Govt. Post Graduate College for Women, Murthal (Sonapat)

Lesson Plan

Name of the Faculty MRS. ANKIT
Class and Section: M.Sc. - Ist Year Ist Sem
Session 2025-26
Subject: Cartographic Techniques

Month	Topic
August	1. Nature, Scope and Recent Advancement in Cartography 2. Distribution maps: Chorochromatic, Choroschematic, choropleth, Dot and Diagrammatic 3. Statistical Diagram:- one, Two and Three dimensional
September	1. Time Series Analysis: Rainfall and Temperature 2. Poly and Trend graph: Line and Bar graph; Rainfall Deviation, wheel Diagram.
October	1. Climograph, Hythograph, Ergograph, wind Rose Diagram, Isopleth 2. Dot method, choropleth, Age and sex Pyramid
November	1. Triangle Diagram 2. Cartogram (Traffic, flow, Rectangular 3. Preparation for practical
December	Practical Exam

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Lesson Plan

Name of the Faculty MRS. ANKIT

Class and Section: M.Sc. - IInd Year 3rd Sem

Session 2025-26

Subject: Environmental Pollution

Month	Topic
July	1. Air Pollution - Natural and Anthropogenic Sources of Pollution, Primary and Secondary Pollutants 2. Transport and Diffusion of Pollutants
August	1. Gas laws Governing the Behaviour of Pollutants 2. Methods of Monitoring and Control of Air Pollution, SO ₂ , NO _x , CO, SPM
September	Water Pollution: Types, Sources and Consequences of water pollution, Physico-chemical and Bacteriological Sampling, Analysis of water quality
October	1. water quality Standard, Sewage and Wastewater Treatment and Recycling, 2. water quality and Standard.
November	Revision for final Exam

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Name of the Faculty Mx. ANKIT
Class and Section: B.A. Gea. Hons. - Ist Sem.
Session 2025-26
Subject: Physical Geography of India

Month	Topic
July	◦ Geological History of India ◦ Regions of India 1st order and 2nd order ◦ Physiographic structure and divisions.
August	◦ Drainage system of India - Himalayan River system and Peninsular River system. ◦ Climatic Zones of India (Koppen)
September	◦ Natural Vegetation: Classification and Distribution ◦ Biosphere Reserves of India and Policies.
October	◦ Soils: Classification, types and distribution and Inter-Relationship ◦ Geological and Climatological Disasters
November	Revision for final exam

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Lesson Plan

Name of the Faculty Mrs: ANKIT
 Class and Section: M.Sc. - 1st Year
 Session 2025-26
 Subject: Quantitative Methods In Geography

Month	Topic
July	1. Data Collection: Sources, Types and methods, 2. Classification and Tabulation of Data 3. Graphical Presentation of Data 4. Ogives and Histogram.
August	1. levels of Data measurement: Nominal, ordinal, Interval, Ratio. 2. Significance of quantitative methods in Geography 3. Measures of Central Tendency: Mean, Median, Mode, Quartile, Decile
September	1. Measures of Dispersion: Range, Q.D, m. D, S.D., Co-efficient of Variation. 2. Normal Curve as a probability distribution 3. Measures of Inequality: location quotient, Lorenz curve 4. Hypothesis: Meaning, testing and Utility
October	1. Bivariate Analysis: Scatter Diagram, Correlation Analysis, Spearman's Rank Correlation and Carl Pearson's Correlation Coefficient, t-test. 2. Simple linear Regression, Sampling and its types
November	Revision for final Exam

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Lesson Plan

Name of the Faculty Mrs. ANKIT
Class and Section: M.Sc. - IInd Year, 3rd Sem.
Session 2025-26
Subject: Regional Planning and Development

Month	Topic
July	1. Concept of Regional Development : Regional Disparities, Balanced Regional Development. 2. Region and its typology
August	1. Basis of Regionalization in India and their characteristics 2. Trickle Down Theory 3. Growth Pole Theory 4. Cumulative Causation model 5. Core-periphery Theory
September	1. Development and Regional Disparities in India 2. Disparity in Agricultural Development 3. Disparities in Industrial Development 4. Disparity in Human Resource Development
October	India Through Planned Era (i) TADP (ii) HADP (iii) DDP, BADP Niti Aayog, Urban Planning and NCR Region
November	Revision for final Exam

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