

Lesson Plan

Name of the Assistant/ Associate Professor.....MS..ANKIT.....

Class and Section: B.A - 5<sup>th</sup> Sem..... Session..... Dec 2023.....

Subject: Statistical Techniques and Surveying.....

Month	Topic
July   August	Importance of Statistics in data Analysis. Measures of Central Tendency, Arithmetic Mean, Median, Mode.
September	Measure of Dispersion: Standard deviation and Co-efficient of variability.
October	Scatter Diagram, Correlation: Carl Pearson's Method, Rank Correlation.
November	Revision

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
Lesson Plan

Name of the Assistant/ Associate Professor..... Ms. ANKIT.....

Class and Section: M.Sc. - 4<sup>th</sup> Semester..... Session..... May, 2024.....

Subject:..... Urban Geography.....

Month	Topic
January	<ul style="list-style-type: none"> <li>Urban Geography : nature, scope, approaches and concepts.</li> <li>Origin and evolution of towns and factors of urban growth.</li> <li>The global context of urbanization and cycle of urbanization.</li> <li>Economic base of cities : concepts and scheme of employment ratio.</li> </ul>
February	<ul style="list-style-type: none"> <li>Functional classification of cities : concepts and scheme of classification.</li> <li>Rural Urban Fringe : structural characteristics and its development.</li> <li>City and region : concepts of influence and dominance, methods of delimitation of area of influence and area of dominance.</li> </ul>
March	<ul style="list-style-type: none"> <li>Urban morphology and land use structure : city core, commercial, industrial and residential areas.</li> <li>Models of city structure : concentric zone model by E.W. Burgess, sector model by Homer Hoyt, multiple nuclei model by Harris and Ullman and models of South Asian cities.</li> <li>Central place theory of Christaller and Losch.</li> <li>Rank size rule and law of primate city.</li> </ul>
April	<ul style="list-style-type: none"> <li>Social area analysis.</li> </ul> <p style="text-align: center;">Revision</p>

  
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Name of the Assistant/ Associate Professor..... Ms. ANKIT.....

Class and Section: M.Sc. - 3<sup>rd</sup> Sem..... Session: Dec. 2023.....

Subject: Environment Geography.....

Month	Topic
July/ August	<ul style="list-style-type: none"> <li>• Environment Geography: meaning, nature and scope, fundamental concepts of environment: Approaches and methods in Envi. Geo.; Relationship with other branches of knowledge.</li> <li>• Environment: Definition and meaning; Components of environment - abiotic &amp; biotic types of environment.</li> <li>• Concept of Ecosystem: Types, components and function of ecosystem.</li> </ul>
September	<ul style="list-style-type: none"> <li>• Energy flow in ecosystem: food chain, food web, trophic level, ecological production and ecological pyramids.</li> <li>• Biogeochemical cycles: Hydrological, Carbon, oxygen and nitrogen cycles.</li> <li>• Environment Degradation - Nature, process, types and causes of Envi. degradation, Types of environment pollution, Sources and effects of environment pollution: air, water and land.</li> </ul>
October	<ul style="list-style-type: none"> <li>• Environment Hazard: causes and measures; Global Warming and climate change - Ozone depletion; Green house effect; Acid Rain: Urban smog.</li> <li>• Biodiversity and conservation: preservation and conservation of ecosystem through resource management.</li> <li>• Envi. legislation: The Stockholm Conference, the Earth Summit, Kyoto protocol and Paris declaration, Envi. policy of India.</li> </ul>
November	<ul style="list-style-type: none"> <li>• Environment laws in India: Wild life Act, Water Act, Forest Act, Environment Protection Act and National Environment Tribunal Act.</li> </ul> <p style="text-align: center;"><u>Revision.</u></p>

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Lesson Plan

Name of the Assistant/ Associate Professor..... M.S. ANKIT.....

Class and Section:..... M.Sc. - 3<sup>rd</sup> sem..... Session.....

Subject:..... Regional Development and Planning.....

Month	Topic
July, August	<ul style="list-style-type: none"> <li>■ Concept of Regional Development, Regional Disparities, Balanced Regional Development</li> <li>○ Region and its typology</li> <li>○ Basis of Regionalization in India and their characteristics</li> <li>○ Theories of Regional Development: Trickle Down Theory</li> </ul>
September	<ul style="list-style-type: none"> <li>○ Theories of Growth Pole Theory, Cumulative Causation Model, Core-Periphery Theory</li> <li>○ Development and Disparities In India mainly in Agriculture sector and Industrial Sectors</li> <li>○ Disparities in Poverty, education and Health Sector</li> <li>○ India Through Planned Era:- TADP, HADP, DDP.</li> </ul>
October	<p>Niti Ayog: Aims and objectives</p> <p>Urban Planning in India with special reference to National Capital region.</p>
November	Revision

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Name of the Assistant/ Associate Professor..... Ms. ANKIT.....  
 Class and Section:..... M.Sc. - Ist. Sem..... Session..... Dec. 2023.....  
 Subject:..... Climatology.....

Month	Topic
July August	<ul style="list-style-type: none"> <li>• Nature and scope of climatology.</li> <li>• Climatic elements - Atmospheric temperature, Pressure, moisture,</li> <li>• General Atmospheric circulation with Jetstream, Walker circulation, General wind circulation.</li> </ul>
September	<ul style="list-style-type: none"> <li>• Weather system and disturbances like - Airmasses</li> <li>fronts: Types of fronts, origin of fronts</li> <li>Cyclones:- Types and distribution of cyclones</li> <li>Tornado: origin and destruction by tornadoes.</li> <li>El Nino: origin and effects, Monsoonal winds</li> </ul>
October	<ul style="list-style-type: none"> <li>• climatic classification of Koppen and Thornthwaite</li> <li>• Major climates of the world: Tropical and Polar.</li> <li>• Climatic changes:- evidences, possible causes, global warming, Acid Rain and Problems of Acid Rain.</li> </ul>
November	Revision

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Lesson Plan

Name of the Assistant/ Associate Professor..... Ms. ANKIT.....  
 Class and Section:.... B.A. Geo. Hons. 6<sup>th</sup> Sem. Session..... May, 2024.....  
 Subject:..... Regional Geography.....

Month	Topic
January	<p>Concept of region : types of region; Methods of delineation of region; growth and development; Concept of regional development.</p> <p>Growth and development theories : growth Pole Theory; Spatial diffusion theory.</p>
February	<p>Cumulative - Causation model; Polarization and Trickle down effects; Human Development Index and its Indicators.</p> <p>Regional Patterns of development and Imbalances in India; Planning for regional development;</p>
March	<p>Role of agriculture, industry and infrastructure in regional development.</p> <p>Five year Plans in India, Features, Objectives and assessment : Programmes on poverty alleviation and unemployment with special references to the Post economic reform period.</p>
April	Revision


Lesson Plan

Name of the Assistant/ Associate Professor..... MS. ANKIT.....

Class and Section: M.Sc - 1st 2nd sem..... Session..... May, 2024.....

Subject:..... Morphometric and Hypsometric Analysis.....

Month	Topic
January	Morphometric Analysis of Drainage basin : Types and its geographical significance ; Linear Aspects : Stream Ordering based on Horton and Strahler, Bifurcation ratio.
February	Areal Aspects : Geometry of basin shape, Basin Perimeter, Length and Area, Stream frequency and Drainage density.
March	Relief Aspects : Hypsometric analysis - Hypsometric Curve & Integral Hypsometric Curve. Clinographic analysis, Altimetric analysis.
April	Slope Analysis - Average slope (Wentworth's method), Relative Relief (Smith's method) Dissection Index. Profile Analysis - Longitudinal Profile.  Revision.

  
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Lesson Plan

Name of the Assistant/ Associate Professor..... Ms. ANKIT.....  
 Class and Section:..... B.A. Geology..... 5<sup>th</sup> Sem..... Session..... Dec. 2023.....  
 Subject:..... Agriculture Geography (503).....

Month	Topic
July/ August	Nature and Scope of Agricultural geography, Different approaches to agricultural geography, factors affecting agriculture like Physical, Cultural and Institutional factors. World farming systems like subsistence, commercial, Plantation, Dairying and Mixed Farming.
September	<ul style="list-style-type: none"> <li>• Crop concentration methods and Crop Diversification</li> <li>• Methods, Delineation methods of Crop Combination of Weaver's, Doi and Ahmad</li> <li>• Agriculture In India: land use and cropping patterns</li> <li>• Development of Irrigation and Agriculture.</li> </ul>
October	<ul style="list-style-type: none"> <li>• Agricultural efficiency and agricultural productivity.</li> <li>• Agricultural Planning and Policies in India.</li> <li>• Agro climatic Regions of India by Planning Commission</li> <li>• Green Revolution In India</li> <li>• Second Generation Reforms in Indian agriculture</li> <li>• Land and Institutional Reforms, Sustainable Agriculture</li> </ul>
Nov	Revision

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Lesson PlanName of the Assistant/ Associate Professor..... Ms. ANKITClass and Section:..... M.Sc. - Ind. Sem. Session..... May, 2024Subject:..... Agriculture Geography

Month	Topic
January	Agriculture Geography : Nature & scope , Significance & development. Approaches to the Study of Agricultural Geography : Commodity Systematic & regional & Systems. Origin & dispersal of agriculture. Sources of agricultural data.
February	Theories of agricultural location - Von Thunen Theory of agricultural location & its recent modifications. Agricultural Productivity : Concept, determinants & methods of its measurement ; Regional imbalances in agricultural productivity in India.
March	Agricultural system : whittlessey classification - Shifting, Plantation, Mediterranean, Commercial grain. Concept & Techniques. Specific Problems in Indian Agr. Agriculture planning regions. Agricultural Policy in India. Green Revolution, White Revolution, Food deficit & Food Surplus regions.
April	Revision.

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