**Department of Geography Lesson Plan M.sc 1st year 1st Sem. (2025 26)**

**Paper: Statistical Methods in Geography**

**Month of July and August:**

* Statistical Methods in Geography: Concept and Significance.
* Primary and Secondary Data; Levels of data measurement: Nominal, Ordinal, Interval, and Ratio.

# Month of September:

# Descriptive statistics: histogram and frequency curve, Partitioned values: quartiles and deciles, Graphical representation of data

# Measures of Central Tendency and methods of computation of Mean, Median and Mode.

# Month of October:-

# Normal Probability Curve and its characteristics.

# Measures of dispersion: Range, Quartile deviation, Mean deviation, Standard deviation; Relative measure of dispersion: Coefficient of variation.

# Measure of inequality: Location quotient and Lorenz curve.

# Month of November:-

# Sampling: theory, methods, distribution and chance errors.

# Correlation and Regression: Scatter diagram, Rank correlation by Spearman and Product Moment by Karl Pearson, Significance testing of Correlation.

# Regression analysis, Regression equations, Construction of Regression line, Simple Linear Regression, properties of Least square estimate, Coefficient of Determination.

# Month of December:-

* Revision.

**Department of Geography Lesson Plan M.sc 1st year 1st Sem. (2025 26)**

**Paper: Disaster Management**

**Value Added Course (VAC)**

**Month of July and August:-**

* Concept of Hazards, Risk, Vulnerability and Disaster. Types of Hazards: Natural (Tectonic Hazards-Earthquakes and Volcanoes; Hydrological Hazards-Floods and Droughts.

# Month of September:-

# Regional Dimension of Natural Hazards: Occurrence and Trends. (Tectonic Hazards -Earthquakes and Volcanoes; Hydrological Hazards - Floods and Droughts.

# Month of October:-

* Disaster Losses and Impact Displacements, Livelihood. Economy and Infrastructure, and Health.

# Month of November:-

# Mitigation and Management: Plans and Policies. Role of Remote Sensing, GIS and GPS in Disaster Management.

# Month of December:-

* Revision

**Department of Geography Lesson Plan M.sc 1st year 1st Sem. (2025 26)**

**Paper: Social Geography**

**Month of July and August:-**

* Social Geography: Nature, meaning and Development of Social Geography: Relationship of Social Geography with other branches of Social Sciences.
* Distribution of Tribes in Indian and Global Context.

# Month of September:-

# Caste: Origin and Morphology of Settlements; Distribution of Scheduled Castes.

# Month of October:-

# Attributes of spatial distribution of languages and religions.

# Races: origin and spatial distribution of Racial groups.

# Month of November:-

# Concept of Social differentiation, Socio-Cultural Regions of India.

# Month of December:-

* + Revision

**Department of Geography Lesson Plan: M.sc 2nd year 3rd Sem. (2025 26)**

**Paper: Disaster Management**

**Month of july and August:**

# Disasters and hazards: definition, nature and classification.

# Geography and disasters: major disasters of world, disaster profile of India.

# Tectonic disasters: volcanoes, earthquakes, tsunamis, landslides

# Month of September:

# Hydrological disasters: floods and droughts.

# Climatic disasters: cyclones and heavy precipitation events

# Human induced disasters: epidemics, industrial and transport disasters; wars and terrorism induced disasters. COVID-19 (A case study in India)

# Month of October:-

# Approaches to disaster management; Disaster management cycle: Crisis management: quick response and relief, recovery, development;

# Risk management: risk identification and risk assessment, risk reduction preparedness, prevention and mitigation, risk transfer;

# Act and policy: IDNDR, UNISDR, DMA-2005. Early Warning System, India Disaster Resource Network

# Disaster management in India: policy and organizational structure setup. Covid-19 Management in India.

# Month of November:-

# Planning for disaster mitigation measures and preparedness

# Post disaster recovery and rehabilitation. Role of NDRF, Impacts of disaster on society and economy.

# Geospatial technology applications in disaster prevention and monitoring.

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# Month of December:-

* + - Revision

**Department of Geography Lesson Plan B.A.1st year 1st Sem. (2025-26)**

**Paper: Geography of India (DSC)**

**Month of July and August:-**

# Physiology of India: Location, relief, and drainage system.

# Climate, soils, natural vegetation, and natural disasters in India.

# Month of September:-

# Population: distribution, density, growth and composition.

# Green Revolution in India; Production and Distribution of crops: Rice, Wheat, Cotton and Sugarcane.

# Month of October:-

# Energy resources: coal, petroleum, hydroelectricity, solar, and nuclear energy.

# Mineral resources: iron ore, manganese, aluminum, and mica.

# Month of November:-

# Industrial regions of India and Industries- iron and steel, cotton textile, sugar.

# Transport and communication, Modes of transport: Road, Railway, Water.

# Month of December:-

# Revision