

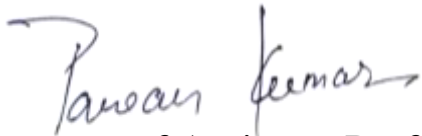
**GOVERNMENT COLLEGE BIROHAR (JHAJJAR)**  
**Summary of Lesson Plans of College Faculty for Academic Session**  
**2025- 2026**

**Name of Assistant Professor: Pawan Kumar**

**Class & Sem.: B.A 2<sup>nd</sup> 3<sup>rd</sup> Sem.**

**Subject: Geography (Major)**

<b>Months</b>	<b>Topics/Chapters to be Covered</b>
<b>July 2025</b>	Unit 1: The atmosphere: origin, composition and structure; insolation and heat budget; weather and climate: elements and controlling factors; distribution of temperature and atmospheric pressure; local and planetary winds.
<b>August 2025</b>	Unit 2: Atmospheric humidity: types and distribution; evaporation, condensation and precipitation; Indian monsoon: origin, characteristics, mechanism and significance.
<b>September 2025</b>	Unit 3: Clouds, air masses, fronts, cyclones and anticyclones: meaning, origin, types and characteristics.
<b>Oct/Nov 2025</b>	Unit 4: Ocean floor profile: continental shelf, slope, ridge, deeps, abyssal plains; ocean currents: types and characteristics; salinity in oceans; coral reefs: origin, types and distribution.

  
Signature of Assistant Professor

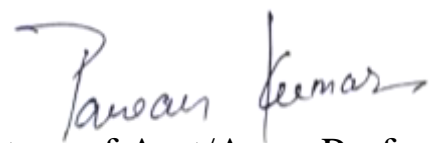
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**Class & Sem.: B.A 2<sup>nd</sup> 3<sup>rd</sup> Sem.**

**Subject: Geography (MDC)**

<b>Months</b>	<b>Topics/Chapters to be Covered</b>
<b>July 2025</b>	Unit 1: India: location and extent; India and its neighbouring countries: issues and challenges (Border dispute and water sharing); major physiographic divisions of India; India: climate and rainfall distribution.
<b>August 2025</b>	Unit 2: Population in India: distribution and density; cultivation and production of crops (wheat, rice, tea) in India; green revolution and Indian agriculture: challenges and opportunities.
<b>Sept/Oct 2025</b>	Unit 3: Historical development of industries in India; major industries in India: iron & steel and cotton textile; challenges of industrial development in India.
<b>November 2025</b>	Unit 4: Modes of transportation in India: road and railways; international trade of India: export and import of major commodities; geopolitical significance of Indian ocean.

  
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**Class & Sem.: B.A 2<sup>nd</sup> 3<sup>rd</sup> Sem.**

**Subject: Geography (Skill)**

<b>Months</b>	<b>Topics/Chapters to be Covered</b>
<b>July/Aug 2025</b>	Unit 1: Understanding land use/land cover; land use planning: meaning and significance; mapping of forest cover; built up area; transport routes; water bodies from topographical sheet/aerial photograph/ satellite image.
<b>Sept/Oct 2025</b>	Unit 2: Concepts of land use change and its management; spatio-temporal change analysis in land use/land cover through statistical diagrams; preparation and interpretation of existing/proposed land use/land cover map/plan of institution/locality/ area.



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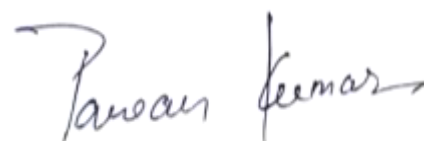
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**Name of Assistant Professor: Pawan Kumar**

**Class & Sem.: M.A. 1<sup>st</sup> (1<sup>st</sup> Sem.)**

**Subject: Foundations in Geography**

<b>Months</b>	<b>Topics/Chapters to be Covered</b>
<b>July 2025</b>	Unit 1: Definition, Nature, Scope and Relevance of Geography as a Discipline; Place of Geography in the Classification of Knowledge; Relations with Other
<b>August 2025</b>	Unit 2: Environmental Determinism and Possibilism; Environmentalism; Geography as Science of Relationships; Geography as Integrated Science.
<b>Sep/Oct. 2025</b>	Unit 3: Geography as the study of Landscape, Natural & Cultural Landscapes, The Concept of Area, Space and Region, Genetic and Specific, Formal and Functional, Natural and Cultural Regions.
<b>November 2025</b>	Unit 4: Defining Space, Place and Locality; Absolute and Relative Space; Spatial Distribution and Spatial Organisation. Time in Geography, Spatial Relations; Spatial Diffusion.



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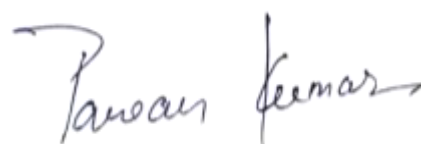
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**Name of Assistant Professor: Pawan Kumar**

**Class & Sem.: M.A. 1<sup>st</sup> (1<sup>st</sup> Sem.)**

**Subject: Climatology**

<b>Months</b>	<b>Topics/Chapters to be Covered</b>
<b>July 2025</b>	Unit 1: Nature and Scope of Climatology; Climatic elements atmospheric temperature, pressure, moisture, general atmospheric circulations, jet stream.
<b>August 2025</b>	Unit 2: Weather system and disturbances–air-mass, fronts, cyclones, tornadoes; Oceanatmospheric interaction – El Nino, Monsoon winds.
<b>Sept.Oct 2025</b>	Unit 3: Global climate system - Approaches to climatic classification; Classification of Koppen, and Thornthwaite; Major Climates of the world-tropical and polar.
<b>November 2025</b>	Unit 4: Climatic changes-evidences, possible causes, global warming acid rain and problems of acid rain.



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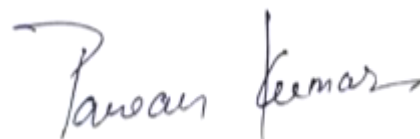
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**Name of Assistant Professor: Pawan Kumar**

**Class & Sem.: M.A. 1<sup>st</sup> (1<sup>st</sup> Sem.)**

**Subject: Topographical Sheets and Morphometric Analysis (Practical)**

<b>Months</b>	<b>Topics/Chapters to be Covered</b>
<b>July 2025</b>	Unit 1: Introduction to Maps: Definition and Types of Maps, Map scale, Conventional map symbols, Importance and uses of maps; Interpretation of Topographical maps: Topographical maps and their types.
<b>August 2025</b>	Unit 2: Basic information on Topographical sheets, Conventional Signs, Identification of Physical and Cultural details on Survey of India Toposheets.
<b>Sept.Oct 2025</b>	Unit 3: Morphometric Analysis of Drainage Basin- Types and its Geographical Significance, Linear Aspects: Stream Ordering Based on Horton and Strahler, Area Aspects: Stream Frequency and Drainage Density.
<b>November 2025</b>	Unit 4: Relief Aspects: Hypsometric Curve and Integral Hypsometric Curve, Clinographic Curve, Slope Analysis- Average Slope (Wentworth's method), Relative Relief (Smith's method), Profile Analysis – Longitudinal profile.



Signature of Assistant Professor