

GOVERNMENT COLLEGE BIROHAR (JHAJJAR)

Summary of Lesson Plans of College Faculty for Academic Session 2025-26

Name of Assistant Professor: Pardeep Kumar

Class & Sem.: M.A.Tst Sem: 2nd Subject: Geography (Environmental Geo.)

Months	Topics/Chapters to be covered
Jan 2026	<p><u>Unit - Ist</u></p> <p>Environmental Geography, Nature and Scope of environmental Geography, fundamental concept of environmental geography.</p> <p>Approaches and methods of environmental Geography</p> <p>Relationship with other branches of knowledge, Environment and Ecology, meaning, structure and type of environment, Ecology, - meaning, scope, concept, Substratum of Ecology.</p>
Feb 2026	<p><u>Unit IInd</u></p> <p>Ecosystem, meaning and concept of ecosystem, classification and components of eco-system; topic structure:</p> <p>Ecological Pyramid; energy flow and biogeochemical cycle.</p> <p>Ecological Regions of India</p>
March 2026	<p><u>Unit - IIIrd</u></p> <p>Environmental Pollution, meaning, types, sources Cause and impacts: Air, water and land pollution</p> <p>Environmental degradation - Nature, process, types and causes of environmental degradation.</p> <p>Greenhouse effect Global warming ozone depletion and desertification.</p>
April 2026	<p><u>Unit IVth</u></p> <p>Environmental management: Concept, methods and approaches; management of soil, forest and mineral Resources.</p> <p>Disaster management: Conservation of Natural Resources: Emerging environmental problem and issues in India.</p> <p>Environmental policies, Programme awareness and movements in India.</p>

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Summary of Lesson Plans of College Faculty for Academic Session 2025-26

Name of Assistant Professor: PARDEEP KUMAR

Class & Sem.: B.A. 2nd Sem (Major) Subject: Introduction to Human Geography, Thematic Geography

Months	Topics/Chapters to be covered
Jan 2026	<u>Unit 1</u> Human Geography: Meaning, Nature and scope. changing man-environment relationship: determinism, possibilism, neo-determinism, Human Ecology and Recent perspective. Evolution of mankind: Hunting food gathering pastoral nomadism, subsistence farming.
	<u>Practical</u> Cartography: An introduction. technique data presentation, Bar, line and circle diagram.
Feb 2026	<u>Unit 2nd</u> Human adaptation to Environment: Eskimo and Bushman, Primitive people of Gondia, Bhil and Naga. Racial Classification, Griffith Taylor and G.S. Guha.
	<u>Practical</u> Climograph and biogeograph.
March 2026	<u>Unit 3rd</u> Demographic attributes: Composition, growth and distribution, human migration cause, types and trends, human settlement: types distribution and affecting factors.
	<u>Practical</u> Techniques of thematic mapping: choropleth, dot method, chorochromatic, choroschematic.
April 2026	<u>Unit 4th</u> Dynamics of population Resources Relationship; Population Resources Regions (Akelman) development and environment conflicts.
	<u>Practical</u> Generalization methods: isopleth mapping.

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Name of Assistant Professor: PARDEEP KUMAR

Class & Sem.: B.A. 2nd Sem. (SEC) Subject: Geospatial Data : open data Sources

Months	Topics/Chapters to be covered
Jan 2026	<u>Unit 1st</u> Geospatial data: definition and concept ; types of Geospatial data. Bhuvan, USGS/GLCF, Google earth engine and Survey of India Toposheet open series, Geological Survey of India. NATMO.
Feb 2026	<u>Unit 2nd</u> Downloading open data from Bhuvan, USGS/GLCF, Google earth engine and Survey of India topsheet open series, Geological Survey of India, SATM and NATMO open street map.
March 2026	<u>Unit 3rd</u> Application of open data sources : mapping, land use / land cover, land surveying, urban planning, stubble burning, flood mapping, deforestation.
April 2026	<u>Unit 4th</u> Application of open data sources, Urban planning, stubble burning, flood mapping, deforestation.

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Name of Assistant Professor: PARDEEP KUMAR

Class & Sem.: B.A. 2nd Sem. Subject: Geography and Environment (MOC)

Months	Topics/Chapters to be covered
Jan 2026	<u>Unit I</u> Environment: meaning, definition and components, approaches of man-environment Relationship. Ecology and Eco-system.
Feb 2026	<u>Unit 2nd</u> Environmental pollution. Air, water, Noise pollution.
March 2026	<u>Unit 3rd</u> Land degradation, depletion of ozone layer, desertification. Green house effect and climate change.
April 2026	<u>Unit 4th</u> Conservation and Management of Environment: Concept, methods and approaches, Environment policies and Programme. awareness and movements in India.

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GOVERNMENT COLLEGE BIROHAR (JHAJJAR)

Summary of Lesson Plans of College Faculty for Academic Session 2024-2025

Name of Assistant/Associate Professor: PARDEEP KUMAR

Class & Sem.: B.A. Ist Year Subject: Env. Environmental Studies 23 Env Xol A/Col
BSc. 1st Sem.

Months	Topics/Chapters to be Covered
August FEB 2025	<p style="text-align: center;">JAN EXAM GONING ON</p> <p><u>Unit - I</u> Introduction to Environmental Studies, multidisciplinary nature of environmental studies, scope and importance Concept of Sustainability and Sustainable development</p> <p><u>Ecosystems:-</u> Introduction, types, characteristics features, structure and function :- forest, grass, desert, aquatic ponds, streams, lakes, river, ocean, estuaries.</p>
February MARCH 2025	<p><u>Unit - II</u> Renewable and non-renewable resources, Natural resources, associated problems, Natural resources, forest deforestation, Timber extraction, mining laws and their effect on forest and tribal people. water resources: Use and over utilization of surface and ground water flood, drought. mineral resources world food problem. energy resources. land resources: land as a resource. Sustainable use of resources for sustainable livelihood.</p>
March APRIL 2025	<p><u>Unit - III</u> Bio diversity and its Conservation: Biodiversity definition, genetic, species and ecosystem diversity. Bio-geographical classification of India. value of Bio diversity: Consumptive use, productive use, social, ethical, aesthetic and option values Biodiversity at global. Hot spots of Bio diversity Habitat loss, poaching of wildlife man wildlife conflicts on situ and ex situ.</p>
April MAY 2025	<p><u>Unit 4</u> Environmental pollution: defining cause, effect and Control measures of Air pollution, water pollution. Soil pollution, Noise pollution, Thermal and nuclear hazards. Soil waste. Role of an individual in prevention of pollution Disaster management, flood, earthquake, cyclone, landslides, water conservation and its strategies climate change green house gas, acid rain, global warming</p>


 Signature of Asst/Asso. Professor