

GOVERNMENT COLLEGE FOR WOMEN, HISAR
LESSON PLAN ODD SEMESTER,
SESSION 2025-26
Department of Geography

NAME EXTENSION LECTURER: Mr. Pardeep Sharma

Class:- B.A/B.A II (Hons)

Subject: - Hydrology and Oceanography (Core Course Hons.) (C24GEO303T)

Subject	Month	Syllabus to be covered
Hydrology and Oceanography (Core Course Hons)	AUGUST	UNIT-I Hydrological Cycle , Human Impact on Hydrological Cycle. Precipitation types and World Distribution.
	SEPTEMBER	UNITII Ground Water Characteristics of Stream Flow , Porosity and Permibility, Infiltration, Ground Water Storage, Aquifers Movement and Discharge. Water Pollution Implications and Management, Rain Water Harvesting. ASSIGNMENT I
	OCTOBER	UNIT-III Configuration of Oceanic Floor, Pacific Ocean, Atlantic And Indian Oceans Salinity Resources Controlling Factors and Distribution TEST I
	NOVEMBER	UNIT-IV Temperature of Oceans and Distribution, Process of Heating And Cooling, Heat Budget of Oceans. Oceanic Currents, Currents of Atlantic , Pacific and Indian Ocean ASSIGNMENT II
	DECEMBER	REVISION

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NAME EXTENSION LECTURER: Mr. Pardeep Sharma

Class:- B.A/B.A II (Hons) 3rd Semester

Subject: - Geography in Every Day Life (VAC) (C24VAC316T)

Subject	Month	Syllabus to be covered
Geography in Every Day Life (VAC) (C24VAC316T)	AUGUST	
	SEPTEMBER	UNIT-I Study of Environment, Role of Geography in Planning and Development. ASSIGNMENT I
	OCTOBER	UNIT-I Geography and Disaster, Geography and Cartography UNIT-II Atmosphere Structure and Composition TEST I
	NOVEMBER	UNIT-II Climate Change and Human Beings ASSIGNMENT II
	DECEMBER	REVISION

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NAME EXTENSION LECTURER: Mr. Pardeep Sharma

Class:- B.A/B.A II (Hons)

Subject: - RS/GIS

Subject	Month	Syllabus to be covered
RS/GIS	July 14th, to AUGUST	UNIT-I Introduction to Aerial Photographs, Their Advantages and Types. Elements of Air Photo Interpretation
	SEPTEMBER	UNITII Basic of RS (EMS, Sensors and Plateforms, Resolution and Types) Types of Satellites Indian RS Satellites and their Data Product ASSIGNMENT I
	OCTOBER	UNIT-III Introduction to GIS, Definition Purpose, Advantage, Hardware and Software requirements. Spatial and Non Spatial Data their resource and entering in GIS environment. TEST I
	NOVEMBER	UNIT-IV Application of RS in Agriculture environment and Resource Management. Application of GIS in Urban, Regional and Real time Planning. ASSIGNMENT II
	DECEMBER	REVISION

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NAME EXTENSION LECTURER: Mr. Pardeep Sharma

Class:- B.A/B.A II (Hons)

Subject: - Physical Geography Lab (DSC) (C24GEO301P)

Subject	Month	Syllabus to be covered
Physical Geography Lab (DSC) (C24GEO301P)	AUGUST	UNIT-I Numbering and Nomenclature of Topographical Sheets
	SEPTEMBER	UNITII Conventional Sign and Symbols, Extraction of Physical features from topographical Sheets. Method of representing physical features and landscapes or Relief. ASSIGNMENT I
	OCTOBER	UNIT-III Slops, Valley Ridges Longitudinal Profiles Serial, Superimposed, Projected and Composite TEST I
	NOVEMBER	UNIT-IV Chain and Tape Survey
	DECEMBER	REVISION

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LESSON PLAN ODD SEMESTER,

SESSION 2025-26

Department of Geography

NAME EXTENSION LECTURER: Mrs. Mamta

Class:- B.A/B.AI (Hons)

DAYS: 1,2,3

Subject: - Geography of India (DSC) (C24GEO101T)

Subject	Month	Syllabus to be covered
Geography of India (DSC)	AUGUST	UNIT-I Physiology of India: Location, relief, and drainage system. Climate, soils, natural vegetation, and natural disasters in India.
	SEPTEMBER	UNITII Population: distribution, density, growth and composition. Green Revolution in India: Production and Distribution of crops: Rice, Wheat, Cotton and Sugarcane. ASSIGNMENT I
	OCTOBER	UNIT-II Energy resources: coal, petroleum, hydroelectricity, solar, and nuclear Energy. TEST I
	NOVEMBER	UNIT-III Mineral resources: iron ore, manganese, aluminium, and mica. Industrial regions of India and industries- iron and steel, cotton textile, sugar. ASSIGNMENT II
	DECEMBER	Transport and communication, Modes of transport: Road, railway, water. REVISION

GOVERNMENT COLLEGE FOR WOMEN, HISAR

LESSON PLAN ODD SEMESTER,

SESSION 2025-26

Department of Geography

NAME EXTENSION LECTURER: Mrs. Mamta

Class:- B.A III (Hons)

DAYS: 1,2,3

Subject: - Geography of Haryana (GEGH306)

Subject	Month	Syllabus to be covered
Geography of Haryana	JULY	UNIT-I Haryana: Location, size, shape and administrative division: physical and drainage system. Climate: Characteristics and factors: seasons: distribution of rainfall and climatic regions.
	AUGUST	UNIT II Soil and natural vegetation: Soil types-their distribution and characteristics; vegetation types, distribution and importance. Human resources; Distribution and density, growth and urbanization. ASSIGNMENT I
	SEPTEMBER	UNIT-II Agricultural resources: Major crops; irrigation new trends in agriculture: problems pertaining to agricultural development and strategy for its advancement. Manufacturing Industries: Major Industries: Industrial policy. TEST I
	OCTOBER	UNIT-III Mineral resources: iron ore, manganese, aluminium, and mica. Industrial regions of India and industries- iron and steel, cotton textile, sugar. ASSIGNMENT II
	NOVEMBER	Transport and communication, Modes of transport: Road, railway, water. REVISION

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LESSON PLAN ODD SEMESTER,

SESSION 2025-26

Department of Geography

NAME EXTENSION LECTURER: Mrs. Mamta

Class:- B.A II , BA II (Hons)

DAYS: 1,2

Subject: - Cartography Techniques (C24SEC309T)

Subject	Month	Syllabus to be covered
Cartography Techniques	JULY	UNIT-I Introduction to Cartography: Definition, Nature, Scope, Significance, Historical Development.
	AUGUST	UNITII Maps: Definitions, Elements, Classification, Map Design, Significance of Maps in Geographical Studies. ASSIGNMENT I
	SEPTEMBER	UNIT-II Scale: Meaning, Types, Source, importance in Geographical Studies. Data: Meaning, Types, Source, importance in Geographical Studies. TEST I
	OCTOBER	UNIT-III Relief Representation: Contours, Form Line, Hachures, Hill Shading, Spot Height, Bench Mark. ASSIGNMENT II
	NOVEMBER	Introduction to Digital Cartography, Comparison of Digital and Manual Cartographic Techniques. REVISION

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LESSON PLAN ODD SEMESTER,

SESSION 2025-26

Department of Geography

NAME EXTENSION LECTURER: Mrs. Mamta

Class:- B.A II (Hons)

DAYS: 5,6

Subject: - Map ,Scale and Projection (C24GEO302T)

Subject	Month	Syllabus to be covered
Map ,Scale and Projection	JULY	UNIT-I Maps: Meaning, types, characteristics and importance. Scale: Types, characteristics and importance
	AUGUST	UNITII Map Projection: Meaning Classification and importance. Properties of Cylindrical Projection: Simple, equal Area and Mercator's. ASSIGNMENT I
	SEPTEMBER	UNIT-II Properties of Conical Projection: Simple with One Standard Parallel, With Two Standard and Bonne's. TEST I
	OCTOBER	UNIT-III Relief Representation: Contours, Form Line, Hachures, Hill Shading, Spot Height, Bench Mark. ASSIGNMENT II
	NOVEMBER	Properties of Zenithal Projection: Gnomonic, Stereographic and Orthographic. Conventional Projection(Mollweide's Projection) REVISION

LESSON PLAN
Paper: Geography of Ecosystem
Class: B.A Hons 3rd (2025-2026)
Name of the Assistant /Associate Professor: Kavita Saini

Month , Week	
July, Week 3	Introduction of Ecosystem
July, Week 4	Ecosystem Geographic classification, Human Ecology, Importance of Human Ecology
August, Week 1	Ecosystem Concept, Structure And Functions
August, Week 2	Human- Environment Relationship
August, Week 3	Historical Progression and Adaptation, Test
August, Week 4	Ecology function: food chain ,food web,
September, Week 1	Ecological pyramids and types of pyramids
September, Week 2	Cycles(geo-chemical: carbon)
September, Week 3	nitrogen and oxygen
September Week 4	Biomes and habitat: classification of biomes
October,Week 1	tropical rainforest biomes Assignment 1 st
October,Week 2	Grassland biomes, monsoon biomes ,marine biomes
October ,Week 3	Environmental problems :global warming, urban heat island,
October ,Week 5	water pollution with special reference to indian water resoures
November, week 1	Environmental programmes and polices, national and local level Assignment 2 nd
November, Week 2	Brundtland commison ,Kyoto protocol ,agenda 21,sustainable development goals

LESSON PLAN
Paper: Economic Geography Lab
Class: B.A 2nd (2025-2026)
Name of the Assistant /Associate Professor: Kavita Saini

August, Week 1	Choropleth Mapping of Country-wise variation in GDP
August, Week 2	Choropleth Mapping of Country-wise variation in PCI
August, Week 3	Time Series analysis of World food, commercial, and Plantation crops production using polygraph method
August, Week 4	Test
September, Week 1	Time Series analysis of World food, commercial, and Plantation crops trade using polygraph method
September, Week 2	Representation of major crops of India using Compound Bar Diagramme
September, Week 3	Test
September, Week 4	Representation of decadal production of petroleum of India using Compound Bar Diagramme
October, Week 1	Representation of decadal production of Iron-ore of India using Compound Bar Diagramme
October ,Week 2	Test

LESSON PLAN
Paper: Economic Geography
Class: B.A3rd (2025-2026)
Name of the Assistant /Associate Professor: Kavita Saini

July, Week 2	Nature and scope of Economic Geography Classification of Economic Geography: Primary activity

July, Week 3	Secondary activity, tertiary activity, Quarterly activity
August, Week 1	Quinary Activity, Green House Effect
August, Week 2	World Natural Resources, Biotic resources: Vegetation Resources
August, Week 3	Animal, Water (Oceanic and Surface Water, Underground water) Resources
August, Week 4	Mineral Resources and Conservation of resources Test1
September, Week 1	Agricultural Resources(Rice, Wheat, Coffee, Tea,
September, Week 2	Cotton, Sugarcane and Rubber)
September, Week 3	Mineral Resources(Coal, Iron-ore,)
September, Week 4	Petroleum and Natural Gas
October, Week 1	Manufacturing Industries(Location and Charterstics, Classification) Iron and Steel Industries
October, Week 2	Cotton textiles, Major industrial complexes of the world Assignment1
October, Week 3	Transport and Communication: Surface (highway, railways),
October, Week 5	Water transport, Air transport
November, Week 1	,Communication, International Trade Assignment 2
November , Week 2	Von Thunnen Theory, Alfred Weber Theory

LESSON PLAN

Paper: Geography of India

Class: B.A 1st Geography of India (2025-2026)

Name of the Assistant /Associate Professor: Kavita Saini

August, Week 1	India: origin, size location and boundaries. Physical landscape of india(Himalayan range,northern plains)
August, Week 2	Peninsular plateau, coastal areas and island , indian desert Drainage system(Sindhu, Ganga, Bramputra ,Southern Systems Of River
August, Week 3	Climate Meaning , Factors, Monsoon, Seasons Climatic Region Test1
August, Week 4	Soil Meaning, Soil Profile, types and distribution of Soil Natural vegetation types and Distribution In India
September, Week 1	Natural Disaster In India Assignment1
September, Week 2	Population of India:distribution, density, Growth and Composition
September, Week 3	Green Revolution in India, Crops: Rice, Wheat, Cotton, Sugarcane
September, Week 4	Coal, Petroleum, Hydroelectricity,
October, Week 1	solar and nuclear energy
October ,Week 2	Iron-ore, Manganese, Aluminum,, Mica
October ,Week 3	Industrial Regions of India Iron And Steel Industry
October ,Week 5	Cotton Industries Assignment 2
November, Week 1	Transport and Communication Modes of Transport: Road
November, Week 2	Railway, Water Revision

LESSON PLAN

Paper: Geography of India
Class: B.A 2nd Hons. (2025-2026)
Map, Scale and Projection(Practical)

Name of the Assistant /Associate Professor: Kavita Saini

August, Week 1	Introduction of map and Scale Types of scale
August, Week 2	Conversion of statement of Scale into R.F and Vice Versa and
August, Week 3	Plain scale(miles and Kilometres)
August, Week 4	Comparative Scale (miles and Kilometres)
September, Week 1	Time Scale Revolution Scale
September, Week 2	Pace Scale Diagonal Scale
September, Week 3	Introduction Of Projection Classification of Projection
September, Week 4	Simple Cylindrical projection Cylindrical Equal Area Projection
October, Week 1	Mercator Projection Simple Conical Projection with one Standard Parallel
October, Week 3	Simple Conical Projection with two Standard Parallel Bonne projection
October, Week 5	Gnomonic Projection
November, Week 1	Mollweide Projection

LESSON PLAN

Paper: Geography of India
Class: B.A 1st Hons. (2025-2026)
Geography of India (Practical)

Name of the Assistant /Associate Professor: Kavita Saini

August, Week 1	Introduction of Isopleth Types of isopleth
August, Week 2	Interpolation of isotherms in India
August, Week 3	Interpolation of isobars in India
August, Week 4	Distribution of Population- Dot Method
September, Week 1	Density of Population- choropleth method
September, Week 2	Age and sex pyramid diagramme
September, Week 3	Rainfall deviation in India
September, Week 4	Production of crops, minerals and energy resources- graphical method
October, Week 1	Distribution of crops, minerals and energy resources- Map
October, Week 2	Mapping of mode of transport in India- 1 Exercise
October, Week 3	Mapping of mode of transport in India- 1 Exercise
October, Week 5	test

LESSON PLAN

Paper: Geography of India
Class: B.A 1st Hons. (2025-2026)
Population Geography(Practical)

Name of the Assistant /Associate Professor: Kavita Saini

August, Week 1	Distribution of Population- Dot Method
August, Week 2	Density of Population- choropleth method
August, Week 3	Literacy of Population- choropleth method
August, Week 4	Distribution of Population- Dot Method
September, Week 1	Age and sex pyramid diagramme
September, Week 2	Test
September, Week 3	Dominance of male and Female Population- Snail Diagramme
September, Week 4	Dominance of male and Female Population- Snail Diagramme
October, Week 1	Trend of population in developed countries- trend graph
October, Week 2	Pie Digramme
October, Week 3	Pie Digramme
October, Week 4	test

Subject: General Geography of India (Semester I) **Minor Course (MIC)**

Course Code: C24MIC109T

Sr No.	Month	Topic	Remarks
1.	July/August	India: Origin, Size, Location and Boundaries. Physical landscape of India. Drainage system	
2.	September	Climate. Soil and Natural vegetation. Population of India: Distribution, Density,	Assignment-1
3.	October	Population of India: Growth, Age and Sex Composition Urbanization in India Industrial regions of India	Assignment-2 & Test
4.	November	Industries- iron and steel, cotton textile, sugar. Important Topics, Short Notes and Revision .	

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Subject: Geography of India (Semester V) Geography (Hons.) Pass Course

Course Code: GEGH305

Sr No.	Month	Topic	Remarks
1.	July/August	India: Location, size and shape, physiographic structure and division; drainage system of India and their importance. Climate: Regional and seasonal variations of climate in India, Indian monsoon (mechanism and characteristics); Climatic regions of India.	
2.	September	Soils and natural vegetation: Soil types-their distribution and characteristics, vegetation types, distribution and importance. Population characteristics (spatial pattern of distribution), growth and composition (rural-urban, age, sex, occupation, educational, ethnic, and religious)	Assignment-1
3.	October	Agriculture: Role of agriculture in Indian Economy, regional variations in cropping pattern, Role of Irrigation in agriculture, problems pertaining to Green Revolution and mitigation strategies. Minerals and power resources: Production and distribution of the following: (1) Iron-ore (2) Mica (3) Coal (4) Petroleum (5) Hydropower	Assignment-2 & Test
4.	November	Industries: Factors affecting location of industries, production and distribution of iron and steel industries, cotton-textile industry and Sugar industry, Industrial Complexes of India. Trade: Factors affecting India's trade, Major exports and imports of India, Balance of payments of India's trade. Important Topics, Short Notes and Revision.	

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Subject:Physical Geography(Semester III) Discipline Specific Course (DSC),
Course Code: C24GEO301T

Sr No.	Month	Topic	Remarks
1.	July/August	Physical Geography: Definition, Nature and Scope: Meaning and Significance of Geomorphology. Interior Structure of the Earth; Journey of Earth or Geological Time Scale; Rocks.	
2.	September	Earth Movements: Folds and Faults, Earthquakes and Volcanoes. Theory of Isostasy; Continental Drift Theory by Wegner; Plate Tectonic Theory.	Assignment-1
3.	October	Weathering: Meaning, Processes and Types. Mass Wasting or Downslope Movement: Meaning, Types and Significance. Geographic Cycle: Cycle of Erosion by W.M. Davis and Penk.	Assignment-2 & Test
4.	November	Landforms Generated by: River, Wind, Glacier and Underground Water (Karst Topography). Important Topics, Short Notes and Revision.	

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