

# CHATRA RAMAI PANDIT MAHAVIDYALAYA

## DEPARTMENT OF GEOGRAPHY

TEACHING PLAN

SEMESTER-II

SESSION: 2022-2023

COURSE CODE	COURSE TITLE	COURSE TOPIC	LECT. ALLOTS.	TENTATIVE PERIOD	LECTURER/TEACHER
SHGEO/201 / C-3	Nature and principles of Human Geography	Human Geography: Nature scope and recent trends	2	07.02.23 - 12.02.23	SH
		Approaches to the study of Human Geography: Resource location, landscape, environmental.	3	13.02.23 - 16.02.23	SH
		Concept of Race and Ethnicity	3	18.02.23 - 27.02.23	SH
	Society and Demography	Evolution of Human societies: Hunting and good gathering, pastoral nomadism, subsistence farming. Industrial and urban societies.	3	01.03.23 - 04.03.23	SH
		Population growth and distribution: population composition; Demographic Transition model	4	05.03.23 - 13.03.23	SH
		Population- Resource regions(Ackerman)	2	14.03.23 - 20.03.23	SG
		Trends of population growth	2	21.03.23 - 23.03.23	SG
	Ekistics and Adaptation	Human adaptation to environment: Eskimo and santhals	3	25.03.23 - 27.03.23	SG
		Human population and environment with special reference to development environmental conflict	3	28.03.23 - 04.04.23	SG
		Social morphology and rural house type in India.	2	05.04.23 - 9.04.23	SG
		Types and pattern of Rural Settlements	2	11.04.2023-13.04.2023	SG

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SHGEO /202/C-4P	Cartographic Representation of Geographical Data	Geographical Data: Nature, Characteristics and Management	2	07.02.23 - 12.02.23	BG
		Cartograms: Line Graph, Bar graph, Proportional Circles and Pie	3	13.02.23 - 16.02.23	BG
		Climatic Diagrams: Wind Rose, Ergo Graph, Ombrothermic Diagram	3	18.02.23 - 26.02.23	BG
		Age-Sex Pyramid, Dependency Ratio	2	27.02.2023-28.02.2023	BG
SHGEO/201 / C-3	Mapping Techniques	Population Maps and Diagrams: Choropleth method, Distribution by Dot and Sphere	3	01.03.23 - 04.03.23	AS
		Measures of Inequality: Location Quotient, Gini's Coefficient and Lorenz Curve	4	05.03.23 - 13.03.23	AS
		Measures of Interaction: Nearest Neighbour Analysis, Gravity Model	2	14.03.23 - 20.03.23	AS
		Combinational Analysis: Weaver's Crop Combination	2	21.03.23 - 23.03.23	AS

	Interpretation of Topographical Maps	Principles and Nomenclature of Topographical Map (OSM) of Survey of India	3	25.03.23 - 27.03.23	PM
		Topographic Profile and Broad Physiographic Divisions	2	28.03.23 - 03.04.23	PM
		Drainage Basin Morphometry: Relative Relief (Smith, 1935), Average Slope (Wentworth, 1930), Stream Frequency and Drainage Density (Horton, 1945)	3	04.04.23 - 09.04.23	PM
		Interpretation of Physical and Cultural features with the help of Transect Chart	2	10.04.23-11.04.23	PM

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TEACHING PLAN

SEMESTER-IV  
2022-2023

SESSION:

COURSE CODE	COURSE TITLE	COURSE TOPIC	LECT. ALLOT	TENTATIVE PERIOD	LECTURER/TEACHER	
	Approach towards environmental study	Geographers' approach to environmental studies	02	11.02.23-	AS	
		Perception of environment in different stages of civilization	02	14.02.23- 18.02.23-		
		Concept of holistic environment and system approach	02	26.02.23 05.03.23-	AS	
		Modern environmental concept	02	14.03.23 18.03.23-	AS	
	Ecology and Ecosystem	Concept of Ecosystem	05	28.03.23 08.02.23-	BG BG	
		Structure and function of ecosystem	03	02.03.23 06.03.23-		
		Environmental pollution and degradation	03	22.03.23 25.03.23-	BG	
		Land, water and air pollution	03	13.04.23 18.04.23-	BG	
	Man-Environment conflict	Man Animal Conflict with special reference to Junglemahal area	03	30.04.23 01.04.23-	BG	
		Environmental problems: Local, regional and global	02	18.04.23 22.04.23-	BG	
		Urban environmental issues with special reference to waste management	02	26.04.23 29.04.23-		
		Environmental programmes and policies – Global and national levels	02	02.04.23 06.05.23-	AS	
					16.05.23	AS



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SHGEO/405/SEC-1	Geographical Information System	G.I.S Basic Concept	02	11.02.23-14.02.23	PM
		Component of G.I.S	02	18.02.23-26.02.23	PM
		Development of G.I.S Technology	02	05.03.23-14.03.23	PM
		G.I.S. Data structure Raster and Vector	02	18.03.23-28.03.23	PM
	Global positioning System	Basic Concept: GPS and GNSS. Segments.PRN CODE. Waypoints and tracks	05	08.02.23-02.03.23	AS
		Distance calculation; Open and closed travers	03	06.03.23-22.03.23	AS
		Plotting in Microsoft Excel	03	25.03.23-13.04.23	AS
		GIS Data downloading in Software and mapping	03	18.04.23-30.04.23	AS
	Mapping in GIS	Geo-referencing Digitization	03	01.04.23-18.04.23	PM
		Attribute data creation And uses	02	22.04.23-26.04.23	PM
		Map composition	02	29.04.23-02.04.23	PM
		Layout	02	06.05.23-16.05.23	PM

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SHGEO /401/C-8	Regional planning	Concept of Regions: Types of Regions and Method of delineation	3	07.02.23-27.02.23	SH
		Types of planning, principles and objectives of Regional planning	3	01.03.23-23.03.23	SH
		Steps of Regional planning need for Regional planning in India, Multi-level planning in India	3	27.03.23-20.04.23	SH
		Planning regions in India	2	24.04.23-27.02.23	SH
	Regional development	Development: Meaning, Growth versus developments	2	11.02.23-27.02.23	SH
		Concept of Growth pole model of perroux; and Growth centers model in Indian context	2	04.03.23-21.03.23	SH
		Theories and models for regional development: cumulative causation(Myrdal), core periphery(Hirschman and fried man)and economic Growth stage model(Rostow)	4	25.03.23-30.04.23	PM
		Indicators of Development: Economic Development, Human Development	2	06.05.23-23.05.23	PM
	Regional planning & Development in India	Concept and strategies of regional development in India	2	12.02.17-27.02.17	PM
		Nature of Regional me qualities and disparities in India	2	05.03.23-20.03.23	PM
		Historical perspective of regional imbalance in India	2	26.03.23-16.04.23	PM
		Need for Regional planning in India	2	23.04.23-11.05.23	PM



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SHGEO/402/C-9	Economic Activity: Agriculture	Agricultural System: Plantation Agriculture & Mixed Farming	3	07.02.23-27.02.23	BG
		Crop Combination and Crop Diversification	3	01.03.23-23.03.23	BG
		Classification of World Agricultural Systems after Whittlessey	3	27.03.23-20.04.23	BG
		Model in Agricultural Geography: Von Thunen Model	2	24.04.23-27.02.23	BG
	Economic Activity: Industry	Location Factors; Role of transport in industrial location	2	11.02.23-27.02.23	BG
		Models of Industrial Location: Weber & Losch	2	04.03.23-21.03.23	BG
		Industrial Regions: Mumbai-Pune; Asansol-Durgapur, Haldia	4	25.03.23-30.04.23	SG
		Impact of Industrial Activities on Environment	2	06.05.23-23.05.23	SG
	Economic Activity: Trade, Transport and Tourism	Role of WTO in International Trade	2	12.02.17-27.02.17	SG
		Transport Network: Accessibility and Connectivity	2	05.03.23-20.03.23	SG
		Tourism Industry and its Components	2	26.03.23-16.04.23	SG
		Tourism Evolution Model: TALC Model of R.W. Butler	2	23.04.23-11.05.23	SG

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## DEPARTMENT OF GEOGRAPHY

TEACHING PLAN

SEMESTER-VI

SESSION: 2022-2023

COURSE CODE	COURSE TITLE	COURSE TOPIC	LECT. ALLOT	TENTATIVE PERIOD	LECTURER/TEACHER
	Disaster Management	Concepts and Approaches	10	05.02.23- 07.03.23	AS
		1. Meaning and concept of hazard and disaster 2. Classification of hazards and disasters 3. Approaches to hazard study: Risk perception and vulnerability assessment.  4. Hazard paradigms Disaster Case Studies	10	13.03.23-	AS
		1. Earthquake: Factors, vulnerability, consequences and management 2. Landslide: Factors, vulnerability, consequences and management 3. Cyclone: Factors, vulnerability, consequences and management 4. Fire: Factors, vulnerability, consequences and management	10	20.04.23 22.04.23- 31.05.23	AS
		Disaster Management in India 1. Disaster of Himalayan belt 2. Disaster in lower Ganges plain 3. Disaster in coastal region 4. Hazard mapping in India			AS





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SH/GEO/602/C-14	Research Methodology	Research in Geography: Meaning, types and significance	02	11.02.23- 14.02.23	SH
		Literature Review and formulation of research design	02	18.02.23- 26.02.23	SH
		Defining research problem, objectives and hypothesis. Research materials and methods	02	05.03.23- 14.03.23	SH
		Techniques of writing scientific reports: Preparing notes, references, bibliography, abstract and keywords	02	18.03.23- 28.03.23	SH
	Field Work	1. Fieldwork in Geographical studies –Selection of study area and objectives. Pre- field preparations 2. Field Enquiry Techniques and Tools: Observation (participant, non-participant), questionnaires (open, closed, structured, non-structured). Interview with special reference to focused group discussions 3. Field Techniques and Tools: Landscape survey using transects and quadrants, constructing a sketch, photo and video recording 4. Preparation of inventory from field data. Post-field tasks	05	08.02.23- 02.03.23	SG
			03	06.03.23- 22.03.23	SG
			03	25.03.23- 13.04.23	SG
			03	18.04.23- 30.04.23	SG
			03	01.04.23- 18.04.23	SG
			02	22.04.23- 26.04.23	SG
			02	29.04.23- 02.04.23	SG
02	06.05.23- 16.05.23	SG			



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	Soil Geography	Factors of Soil formation. Man as an active agent of soil transformation	3	07.02.23-27.02.23	PM
		Soil profile. Origin and profile characteristics of Lateritic, Podzol and Chernozem soils	3	01.03.23-23.03.23	PM
		Definition and significance of Soil properties: Physical - Texture, Structure and Moisture; Chemical - pH, Organic matter and NPK	3	27.03.23-20.04.23	PM
		Principles of Soil classification: Genetic and USDA. Concept of land capability and its classification	2	24.04.23-27.02.23	PM
	Bio-Geography	Concepts of biosphere, ecosystem, biome, ecotone, community and ecology	2	11.02.23-27.02.23	BG
		Concepts of trophic structure, food chain and food web. Energy flow in ecosystems	2	04.03.23-21.03.23	BG
		Geographical extent and characteristic features of Tropical rain forest, Taiga and Grassland biomes	4	25.03.23-30.04.23	BG
		Bio-geochemical cycles with special reference to carbon dioxide and nitrogen	2	06.05.23-23.05.23	BG
		Soil Erosion and Degradation: Factors, processes and mitigation measures	2	12.02.17-27.02.17	PM
		Deforestation: Causes, consequences and management	2	05.03.23-20.03.23	BG
	Human Behavior and its impact on Soil and Biosphere	Bio-diversity: Definition, types, threats and conservation measures	2	26.03.23-	BG

				16.04.23	
		Response of society to the management	2	23.04.23-11.05.23	BG

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COURSE CODE	COURSE TITLE	COURSE TOPIC	LECT. ALLOT	TENTATIVE PERIOD	LECTURER / TEACHER
		Development of Population Geography as a field of specialization. Relation between Population Geography and Demography	3	07.02.23-27.02.23	S G
		Sources of population data, their level of reliability and problems of mapping	3	01.03.23-23.03.23	SG
		Population distribution: Density and growth. Classical and modern theories in population distribution and growth, Demographic Transition model	3	27.03.23-20.04.23	SG
		World patterns of population distribution and growth. Concept of Optimum Population, population distribution in India	2	24.04.23-27.02.23	SG
		Population Composition and Characteristics– Age, Sex Composition; Rural and Urban Composition; Literacy	2	11.02.23-27.02.23	SH
		Measurements of Fertility and Mortality. Concept of Cohort and Life Table	2	04.03.23-21.03.23	SH
		Population composition of India ( Age, Sex, Rural, Urban and occupational composition)	4	25.03.23-30.04.23	SH
		Migration: Causes and types, international patterns of migration with reference to India	2	06.05.23-23.05.23	SH
		Population and Development: Population-Resource regions. Concept of Human Development Index (HDI) and its components	2	12.02.17-05.03.23	SH
	Population Policies	Population policies in developed and less developed countries	2	20.03.23-26.03.23	SH
		India's population policies, population and environment, implication for the future	2	16.04.23	SH
		Contemporary Issues – Ageing of Population; Declining Sex Ratio; Population and Environment dichotomy, HIV/AIDS	2	23.04.23-11.05.23	SH