Polba Mahavidyalaya

Departmental Lesson Plan 2024–2025

Name of the Department: Geography

Name of the Programme: B.A. /B.Sc. (Honours for CBCS, Major and Minor for CCFUP/ General)

Name of the Course: (Subject) : B.A. /B.Sc. Geography [Honours for CBCS, Major and SEC for CCFUP / General]

Period of the Lesson Plan : 1st July 2024–30th June 2025

Academic Period	Class.	Paper	Topic to be covere	d	No of Lectures	Name of the Teachers	Internal Assessme
			Unit	Торіс	/Practic al		nt
July 2024 – January 2025	SEM- I (UND	Major: GEOG 1011 GEOTECTONI	<u>Unit 1:</u> Concepts in Geotectonic	Earth's crust and interior: Internal structure with seismological evidences	30	BD	3 rd Week
	ER CCF UP)	CS AND GEOMORPHO LOGY		Theories of Isostasy: Airy & Pratt	-	BD	of December
	01)	1001		Continental Drifting: Evidences, criticism and importance		BD	
				Sea floor spreading: Process, evidences (Palaeomagnetism)		RH	
				Plate Tectonics: Mechanism of movements, vulcanism, genesis of earthquake and Mountain building		RH	
				Folds and Faults: Origin and classification		RH	
			<u>Unit II</u> Geomorphology	Fundamental principles of Geomorphology	30	AB	
				Denudational processes and resultant landforms: Weathering and Mass movement		AB	
				Theories of landscape evolution: Time-dependent (Davis, Penck) and Time-independent (Hack)		RD	
			Slope development: Theories of King and Wood		RD		
				Processes and landforms: Fluvial and Coastal	-	AB	
			Drainage development and structure: Uniclinal and folded		RD		
		SEC: GEOG 1051	Practical	Numbering Systems; Binary Arithmetic	90	AB	3 rd Week of
		COMPUTER BASICS AND COMPUTER]	Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean,	1	RH	- December

	APPLICATION S		Median, Mode, Standard Deviation			
			Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation		RD	-
			Preparation of annoted diagrams and its interpretation: Scatter diagram and Histogram	-	RD	
			Internet surfing: generation and extraction of information	-	BD	_
SEM- III	Major: GEOG 3011	<u>Unit 1:</u> Physical Geography	Geological set-up: Archaean, Purana, Dravidian, and Aryan Rock systems	60	BD	2 nd Week of December
(UND	Geography Of	Geography	-	-	BD	December
ER CCF)	India		Physiographic divisions. Drainage Systems: Himalayan and Peninsular		BD	_
			Climate: Types and characteristics; Significance of Indian Monsoon		RH	-
			Soil: Types, Characteristics and Distribution		RH	
			Vegetation: Types and Classification		RH	
		<u>Unit II</u> Economic and Social	Agricultural regions, Green Revolution and its consequences		AB	
		Geography	Industrial development since independence		AB	_
			Distribution of Minerals and Energy Resources: Iron, Bauxite, Coal and Petroleum		AB	
			Water Resources of India; Inter- state conflicts		RD	
			Regionalisation of India: Views of Spate and Bhatt		RD	
			Human Resources: Population Distribution and population policies		RD	
	MAJOR: GEOG 3012	Unit-1: Map Scales and	Concepts of Cartograms and Thematic Maps	60	BD	2 nd Week of
	CARTOGRAPH Y &	Thematic Mapping	Concept of Scale; Reduction and Enlargement of Scale		BD	December
	SURVEYING (PR)		Construction of Scale: Plain, Comparative, Diagonal, and Vernier		BD	
			Diagrammatic representation of data: Star and Age-sex pyramid diagram, Proportional Pie diagram, Ternary diagram.		BD	
			Representation of data on a map by proportional circles, dots and spheres,		RH	
			isolines and Choropleth method, Chorochromatic maps.			

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				Preparation and interpretation of		RH	
				Climograph, Hythergraph,			
				Ergograph			4
			Unit-2: Surveying	Basics of surveying and survey		RD	
			Surveying	equipment: Concepts of Bearing: magnetic and true; whole-circle			
				and reduced.			
				Numerical problems related to		RD	1
				traverse: calculation of Exterior			
				and Interior angles,			
				measurement of area.		4 D	-
				Open and closed traverse survey		AB	
				using Prismatic Compass; Correction for closing error			
				(Bowditch's method).			
				Drawing of the longitudinal		AB	
				profile and Contouring over			
				closed traverse using			
				Dumpy level and Digital levelling			
				instrument Macaurement of Height and		RD	
				Measurement of Height and distance of objects using Transit			
				Theodolite			
				(Accessible and Inaccessible			
				bases) on horizontal plains with			
				the same and			
				different instrument heights. Measurement of ground slope		RD	-
				using Abney level. Determination		iii)	
				of strike and			
			Domoto Construc	dip using Brunton Compass.	100	DII	and XX7 I
		SEC: GEO 3051	Remote Sensing and GIS	Remote Sensing: Definition, Platforms, Types, Sensors and	100	RH	2 nd Week of
		BASICS OF RS		Resolution			December
		& GIS		Satellite Remote Sensing:		AB	
				Principles, EMR Interaction with			
				Atmosphere and Earth Surface;			
				Landsat and IRS Satellites: Sensors and Resolution			
				GIS: Definition, Data Structure		RH	1
				(Vector and Raster), Applications			
				4. Downloading of satellite images and preparation of SFCC		AB	
				Georeferencing of Scanned		RH	
				Maps; Digitization of Point, Line,			
				and Polygon features; Digitization of Administrative			
				Boundaries			
	a=	CC11:	<u>Unit 1:</u>	Defining research problem,	60	RH	1 st Week
	SEM- V	RESEARCH	Research Methodology	objectives and hypothesis. Research materials and methods			of December
	v (UND	METHODOLO	memouology	Techniques of writing scientific		RH	December
	ER	GY AND FIELD		reports: Preparing notes,			
	CBC	WORK		references, bibliography (APA			
	S)			Style), abstract and keywords		חח	-
				Fieldwork in Geographical studies – Role and significance.		RD	
				Selection of study area and			
				*			

			objectives. Pre-field			
			preparations. Ethics of fieldwork			
			Field techniques and tools:	1	RD	1
			Questionnaires (open, closed,			
			structured, non-structured).			
			Interview with special reverence			
			to focused group discussions			
		Unit II	Field techniques and tools:		RH	-
		Field Work	Landscape survey using			
			transects and quadrants,			
			constructing a sketch, photo and			
			video recording.			
			Collection of samples.		RH	-
			Preparation of inventory from			
			field data. Post-field			
			tasks			
			Definition, Concepts and		RD	
			Principles of Remote Sensing			
			(RS): Types of Air Photo, RS			
			satellites, sensors and			
			platforms			4
			EMR Interaction with Atmosphere		RD	
			and Earth Surface, Sensor			
			resolutions and their applications			
			with reference to IRS	<u>(</u>)		
	CC12:	Unit-1:Remote	Principles of False Colour	60	AB	1 st Week
	REMOTE	Sensing	Composites (FCC) from IRS	60		of December
	SENSING AND		LISS-III and Landsat Images (ETM+) data: Image Processing,			December
	GIS		Pre-processing; Enhancement;			
			Classification.			
			Principles of image		AB	
			interpretation for Forest, Water			
			and Soil			
			Definition and Components of		RH	
			Geographical Information			
			System (GIS) and raster and			
			vector data structures		DI	4
			Principles of preparing attribute tables and overlay analysis		RH	
		<u>Unit-2:</u>	Principles of GNSS positioning -		BD	-
		GIS & GNSS	Uses and Waypoint Collection		00	
			Methods			4
			Applications of Geographical		RH	
			Information System in Flood			
			Management and Urban Sprawl			
			Georeferencing of Scanned Maps	1	RH	1
			Preparation of FCC using IRS		AB	1
			LISS-III and/or Landsat (ETM+)			
			data			
		Practical	Preparation of LULC Map by		AB	
			Supervised Image Classification			
			(Maximum Likelihood) using IRS			
			LISS-IIIor Landsat (ETM+) data		DI	4
			Digitisation of Point. Line and		RH	
			Polygon Features and Preparation			
1						
			of Thematic Map (using bar, pie and choropleth method)			

Supervised Image Classification (Maximum Likelihood using IRS LISS-IIIOr Landsat (ETM+) data Derinition, Scope and Content of Cultural Geography Development of Cultural Geography RD DSE1: CULTURAL AND SETTLEMENT GEOGRAPHY Linit 1: Cultural Geography Cultural Innovation and Diffusion; Diffusion of Major World Religions Cultural Sergetion, Cultural Distribution and Characteristics Major Races of the World: Distribution and Characteristics BD BD Linit II Settlement Geography Development of Population Geography And Clinana BD BD Unit II Settlement Geography Distribution and Characteristics of Rural Settlements: Site and Stratation Clines: Harris and Nelson BD BD DNE 2: POPULATION GEOGRAPHY Unit I Development of Population Geography and Development of Population Clines: Harris and Nelson 60 AB				Preparation of LULC Map by		RD	
Definition, Scope and Content of Cultural Geography RD 1 st We of DSE1: CULTURAL AND SETTLEMENT GEOGRAPHY Unit 1: Cultural Columnal Geography Concept of Cultural Hearth, Realin; Cultural Innovation and Diffusion; Diffusion of Major World Religions 60 RD 0 st Decemb SETTLEMENT GEOGRAPHY Caltural Caltural Innovation and Diffusion; Diffusion of Major World Religions RD RD 0 st Decemb SETTLEMENT GEOGRAPHY Caltural Segregation, Cultural Diversity, and Acculturation RD RD Nor Mark Rese of the World: Distribution and Characteristics RD RD Major Races of the World: Distribution and Characteristics of Rural Settlement Geography BD BD Unit II Settlement Geography Rural Settlements: Site and Situation BD BD Urban Settlement Geography Urban Settlements: Census Definition, Urban Outproveth, Urban Agglomeration BD BD Diffusion of Characteristics Models of Burgess, Hoyt, Harris and Ulman BD BD BD POPULATION GEOGRAPHY Unit I Development of Population Geography and Demography BD BD POPULATION GEOGRAPHY Unit I Determinants of Population Geography and Demographic AB 1 st We of Decemb				Supervised Image Classification (Maximum Likelihood) using IRS			
DSE1: CULTURAL AND SETTLEMENT GEOGRAPHY Unit 1: Cultural Geography Concept of Cultural Hearth, Ream; Cultural Landscape 60 RD Decemb SETTLEMENT GEOGRAPHY Cultural Cultural Innovation and Diffusion; Diffusion of Major World Religions RD RD SETTLEMENT GEOGRAPHY Cultural Segregation, Cultural Diversity, and Acculturation Major Races of the World: Distribution and Characteristics RD RD Unit 11 Settlement Geography Scope and Content of Settlement Geography BD BD Unit 11 Settlement Geography Rural Settlements: Site and Situation BD Urban Settlements: Site and Situation BD BD Urban Morphology: Classical Models of Burgess, Hoyt, Harris and Ulman Geography BD BD DSE 2: POPULATION GEOGRAPHY Unit 1 Determinants of Population Dynamics; Concept of Optimum Population Geography Functional Classification of Cities: Harris and Nelson 60 AB DSE 2: POPULATION GEOGRAPHY Unit 1 Determinants of Population Dynamics; Concept of Optimum Population Geography: Reation between Population Geography: Reation between Population Geography: Mathusian Theory and Marxian Approach, Demographic Transition Model 60 AB				Definition, Scope and Content of Cultural Geography Development of Cultural		RD	
DSE1: CULTURAL AND SETTLEMENT GEOGRAPHY List Li Cultural Geography SETTLEMENT GEOGRAPHY List Li Cultural Geography Cultural Imnovation and Diffusion: Diffusion of Major World Religions Cultural Segregation, Cultural Diversity, and Acculturation Major Races of the World: Distribution and Characteristics RD RD Unit II Settlement Geography Unit II Settlement Geography Rural Settlements: Site and Situation Urban Morphology: Classical Models of Burgess, Hoyt, Harris and Ulturas BD DSE 2: POPULATION GEOGRAPHY Unit I Unit II Determinants of Population Determinants and Nelson Clines: Harris and Nelson Clines: Harris and Nelson Theories of population growth: Mathusian Theory and Marxian Approach, Demographic Transition Model 60 AB AB				Geography		RD	1 st Week
AND Geography Cultural Innovation and Diffusion; Diffusion of Major RD SETTLEMENT GEOGRAPHY Cultural Minovation and Diffusion; Diffusion of Major RD Outputs Cultural Segregation, Cultural Diversity, and Acculturation Distribution and Characteristics RD Major Races of the World: Distribution and Characteristics RD Unit II Netllement Geography Scope and Content of Settlement Geography BD Unit II Netllement Geography Rarda Settlements: Site and Situation BD Unit II Netllement Geography Rural Settlements: Census Definition, Urban Outgrowth, Urban Settlements: Site and Situation BD Diversity, Radion Delays, Hoy, Harris and Uliman BD BD Proceopment of Population Geography BD BD Diversity and Netson Rural Settlements of Rogulation Geography: Relation between Population Geography and Domegraphy BD Distribution and Character of Optimum Population GEOGRAPHY Determinants of Population Geography Relation between Population Geography Relation between Population GEOGRAPHY BD							
Cultural Segregation, Cultural Diversity, and Acculturation RD Major Races of the World: Distribution and Characteristics RD Major Races of the World: Distribution and Characteristics RD Scope and Content of Settlement Ceography Definition and Characteristics of Rural Settlements: Site and Studion BD Unit II Settlement Geography BD Urban Settlements: Site and Studion BD Urban Settlements: Site and Studion BD Urban Agglomeration BD Urban Agglomeration BD BD BD BD <t< td=""><td></td><td>AND SETTLEMENT</td><td>Geography</td><td>Cultural Innovation and Diffusion; Diffusion of Major</td><td></td><td>RD</td><td></td></t<>		AND SETTLEMENT	Geography	Cultural Innovation and Diffusion; Diffusion of Major		RD	
Major Races of the World: Distribution and Characteristics RD Scope and Content of Settlement Geography BD Definition and Characteristics of Rural Settlement BD Unit II Settlement Geography Rural Settlements: Site and Situation BD Urban Agglomeration BD Evelopment of Population Geography; Relation between Population Geographyand BD DSE 2: Unit I Determinants of Population Geography BD OPULATION GEOGRAPHY Unit I Determinants of Population Theories of population Theories of population Population 60 AB 1 st We of Decemb Approach, Demographic Transition Model AB 1 st We of Decemb				Diversity, and Acculturation Major Races of the World:		RD	
Image: Constraint of the constraint				Major Races of the World:		RD	_
Image: Settlement Geography Rural Settlement: Site and Situation BD Urban Settlements: Census Definition, Urban Outgrowth, Urban Morphology: Classical Models of Burgess, Hoyt, Harris and Ullman BD Image: Urban Morphology: Classical Models of Burgess, Hoyt, Harris and Ullman BD Functional Classification of Cities: Harris and Nelson BD Development of Population Geography; Relation between Population Geography; Relation between Population Geography; Relation between Population Geography and Demography BD DSE 2: Unit I Determinants of Population Geography and Nelson 60 DSE 2: Unit I Determinants of Population Geography and Nelson BD GEOGRAPHY Unit I Determinants of Population Approach, Demographic Transition Model 60 AB				Geography			_
Image: Description of the second s						БЛ	
Image: Construction of the second			Settlement	Rural Settlements: Site and		BD	
Image: Second state of the second s				Definition, Urban Outgrowth,		BD	
Bit Image: Second state of the seco				Urban Morphology: Classical Models of Burgess, Hoyt, Harris		BD	
Development of Population Geography; Relation between Population Geography; Relation between Population Geographyand Demography Functional Classification of Cities: Harris and Nelson AB DSE 2: Unit I Determinants of Population 60 AB J*t Wet of GEOGRAPHY Population Theories of population growth: Malthusian Theory and Marxian Approach, Demographic Transition Model						BD	
DSE 2: Unit I Determinants of Population 60 AB POPULATION Dynamics; Concept of Optimum 30 AB 1 st Wet of Determinants of Population GEOGRAPHY Population Theories of population growth: Malthusian Theory and Marxian AB 1 st Wet of Determinants AB Theories of population Theories of population growth: AB 1 st Wet of Determinants Theories of population Theory and Marxian Approach, Demographic AB 1 st Wet of Determinants				Geography; Relation between Population Geographyand		BD	
POPULATION GEOGRAPHY Dynamics of rophildion 30 AB 1st Wet of Theories of population Theories of population growth: 30 AB 1st Wet of Malthusian Theory and Marxian Approach, Demographic December				Functional Classification of		AB	
GEOGRAPHY Population of December December December Malthusian Theory and Marxian Approach, Demographic Transition Model		DSE 2:	Unit I	Determinants of Population			
Malthusian Theory and Marxian Approach, Demographic Transition Model				Population	30	AB	
				Malthusian Theory and Marxian Approach, Demographic			
Distribution, Density and AB Growth of Population in India AB				Distribution, Density and		AB	

				Population Composition and		RH	
				Characteristics: Age-Sex;			
				Female-Male Ratio	_		_
				Measures of Fertility and		RH	
			Unit II	Mortality	_	RH	_
			Unit II	Population Composition of		КП	
				India: Rural and Urban, Occupational Structure asper			
				Census of India			
				Migration: Theories, Causes and		RH	_
				Types	_	DII	_
				Concept of Human Development		RH	
				Index			
				Population and development:		RH	
				population-resource regions,			
				Population policies in Selected		RH	
				Countries: Sweden and China			
				8.Contemporary Issues in Population: Health and			
				Unemployment			
				Population Composition and		RH	
				Characteristics: Age-Sex;			
				Female-Male Ratio	_	4 D	_
				Development of Population		AB	
				Geography; Relation between			
				Population Geography and			
				Demography			
				Determinants of Population		AB	
				Dynamics: Fertility, Mortality			
Fahrmann	CEM		TT	and Migration	20	. –	3 rd Week
February 2025 – June	SEM- 2	MAJOR: GEOG	<u>Unit1:</u> Population	Measures of Fertility and	30 30	AB	of May
2025	(UND	2012 POPULATION	Geography	Mortality Migration: Theories, Causes	-	DII	
	ER CCF	AND		and Types		RH	
	UP)	SETTLEMENT		Theories of population growth:		RH	
		GEOGRAPHY		Malthus and Marx;			
				Demographic Transition	_		_
				Population Composition (Age-		RH	
				Sex; Occupational Structure);			
				Population policies (India and			
				Sweden). Development of Settlement	_	PD	_
				Geography		BD	
				Characteristics of Rural	1	BD	-
				Settlement; Site, Situation,			
				types and Pattern			
			Unit II:	Morphology of rural	30	BD	1
			Settlement	Settlements	45		
			Geography	Urban Settlements: Census		RD	
				Definition, Urban Agglomeration; Urban sprawl,			
1				Rural-urban Continuum,			

		<u>Unit II</u>	Atmospheric moisture: Vapor pressure, Dew point and		AB	
		Unit II			A D	- !
			depletion			
			of the Ozone layer and			
			Greenhouse effect, importance		RH]
			instability.			
			atmosphere; Types of			
			Stability and Instability of the		RH	
			temperature changes			
			consequences. Adiabatic			
			vertical distribution. Inversion of temperature: types, causes, and			
			Temperature: horizontal and		RH	
			Latitudinal), Heat budget.		DU	_
			Heat balance (Terrestrial and	1	BD	
			within the atmosphere.			
CCF)	Y		variation of solar incidence. Depletion of Solar radiation			
ER	CLIMATOLOG	Aunosphere	Insolation: Latitude-wise		BD	
4 (UND	GEOG 4011	Elements of the Atmosphere	layering of the atmosphere,	40		of May
SEM-	Major:	Unit 1:	Nature, composition, and	60 40	BD	2 nd Week
			Planning			
			and Techniques of Regional			
			Types of Planning; Principles	1	RD	1
			Regions		кD	
			Concept and Classification of	-	RD	-
			Preparation of inventory from field data. Post-field tasks			
			Collection of samples.		RH	
			and video recording		DI	-
			constructing a sketch, photo			
	TECHNIQUES		transects and quadrants,			
	SURVEY		Landscape survey using			
	FIELD		Field techniques and tools:		BD	
	2052	Theory	to focused group discussions	60		of May
	SEC: GEOG		Interview with special reference	45	AB	3 rd Week
			structured)			
			closed, structured, non-			
			and Questionnaires (open,		.10	
			Preparation of Survey Schedule		AB	-
			preparations, Ethics of fieldwork			
			objectives, Pre-field			
			Selection of study area and			
			studies – Role and significance,			
			Fieldwork in Geographical		RD	
			Urban primacy		PP	_
			Hierarchy of settlements;			
			Central place theory and		RD	
			Harris and Ullman			
			Urban Morphology: Classical Models of Burgess, Hoyt,		RD	
			Rurban and Periurban	1	DD	

	Atmospheric	Saturation;			
	Phenomena	Condensation: Processes and			
		forms. Types of clouds.			
		Mechanism of Precipitation:		AB	
		Bergeron-Findeisen theory,			
		Collision and			
		Coalescence. Forms of			
		Precipitation. Air mass: Typology, origin,		AB	_
		characteristics, and modification.		AD	
		Circulation in the		RD	_
		atmosphere: Planetary winds,			
		Tri-Cellular model, Jet			
		Stream			
		Monsoons: Origin and		RD	
		Mechanisms; Theories of			
		Monsoon:			
		Koteswaram, Jet Stream			
		Tropical and mid-latitude	1	RD	7
		cyclones; Thunderstorm		_	
MAJOR: GEOG	Unit 1:	Concepts and Approaches to	60	RH	2 nd Week
4012	Concepts and	Economic Geography	40		of May
ECONOMIC	Approaches	Concepts of Goods, Services,		RH	
		Production, and Consumption			
GEOGRAPHY		in Economic Geography			
		Resource: Concepts,		AB	
		significance and classification Factors Influencing Location		AB	_
		of Economic Activity and		AD	
		Forces of Agglomeration			
		Location Theories: Von		AB	
		Thünen and Alfred Weber			
		Resource depletion and		AB	
		Conservation, Limits to			
	T T 1 / T T	growth			
	<u>Unit II:</u> Economic	Concept and Classification of Economic Activities		BD	
	Activities			BD	_
	Activities	Marketplace theories: Losch		BD	
		and Palander			
				BD	
		Primary Activities: Subsistence			
		and Commercial Agriculture;			
		Forestry; Fishing			
		Secondary Activities:		BD	—
		-			
		Manufacturing (Iron and			
		Steel in India and Japan,			
		Petrochemical in India and			
		USA)			_
		Highways: Roles in Economic		RD	
		Development of India since 1990s			
		International Trade Blocs:		RD	-
				KD	
		WTO and OPEC		пп	-
		Tertiary Activities: Types of Trade and Services		RD	
		International Trade Blocs:		RD	-
		international Fraue Blocs:		KD	

			WTO and OPEC. SAARC, BRICKS.			
	Major: GEOG 4013 MAR	Unit 1: Map projection	Coordinate Systems: Polar and Rectangular. Concept of Geoid and Spheroid.	100	AB	2 nd Week of May
	MAP PROJECTION & MAP ANALYSIS (PR)		Map Projections: Classification, Properties, and Uses. Concept and Significance of UTM Projection		AB	
			Concept of Generating Globe, Grids: Angular and Linear Systems of Measurement.		BD	
			Construction of Projections: Polar Zenithal Stereographic, Simple Conical with two Standard Parallels, Bonne's, Cylindrical Equal Area, and Mercator's.		BD	
		Unit 2: 5 Topographical Maps and Geological Map	Survey of India Topographical Maps: Reference scheme of Old and Open series		RH	
			Delineation of Drainage Basin from Survey of India Topographical Map. Concept of Relief, Slope, and Stream Order.		RH	
			Construction and Interpretation of Relief Profiles (Superimposed, Projected and Composite),		RH	
			Preparation of Maps for Relative Relief, Dissection Index, Slope map (Wentworth), Drainage Density and Stream Ordering (Strahler) on a Drainage Basin.		AB	
			Elements of Geological map: Bedding Plane, Unconformity and Non- conformity, thickness of Bed, Dip, Throw, Hade, Heave.		RD	
			Drawing of geological cross sections: Problems related to Horizontal, Uniclinal, Folded and Faulted structures.		RD	
			Determination of True and apparent dip, identification of dip direction, thickness, and displacement (for faulted structures).		RD	

			Interpretation of geological structures: correlation with		RD				
			topography, geological history.						
SEM- 6	CC13: EVOLUTION	Unit 1	Development of Geography in Medieval period:Arabian	60 60	RD	1 st Week of May			
(UND ER CBC S)	OF GEOGRAPHIC AL THOUGHTS		Development of Mapping and Knowledge about the World Regional Geography in the Age of Explorations		RD				
			Classical Geography in19th Century:Humboldt,Ritter		RD				
			Quantitative Revolution and its Critique		RD				
			German School of Thought		BD				
			French School of Thought	1	BD	1			
		Unit 2	American School of Thought	1	BD	1			
			Indian Contribution to Geography		BD				
			Concept of Determinism, Possibilism and Neo- Determinism		BD	_			
			Approaches to the study of Geography:Systematic and Regional		BD				
			Classification of hazards and disasters		RH				
			Approaches to hazard study:Risk perception and vulnerability assessment. Hazard paradigms		RH				
	CC14: DISASTER MANAGEMEN T	Unit-I	Responses to hazards:Preparedness, trauma and aftermath. Resilience and capacity building	60 60	RH	1 st Week of May			
			Hazards mapping:Data and techniques.		RH				
			Earthquake:Factors, vulnerability, consequences and management		AB				
			Landslide: Factors, vulnerability, consequences and management		AB				
		Unit-II	Cyclone:Factors,vulnerability, consequences and management	-	AB				
			Fire:Factors,vulnerability,conse quences and management	1	AB				
			Resource Geography: Its Importance and relation with other sub-disciplines		RD				
			Resource: Concept and Classification	1	RD	1			
	DSE 3:	Unit-I	Functional Theory of Resource	60	RD	1 st Week			
	DSE 3: RESOURCE GEOGRAPHY	RESOURCE	RESOURCE	RESOURCE		Problems of Resource Depletion with Special Reference to Forest, Water and Fossil Fuels	60	AB	of May

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		Resource Conservation: Principles and Methods	$ $ \top	AB	
		Concept of Limits to Growth'	1 F	AB	1
		Distribution and Utilisation of	1 +	BD	1
		Metallic Mineral Resources in			
		Indian Context: Ironore,			
		Bauxite	l l]
		Distribution and Utilisation of	I l	BD	
		Non-Metallic Mineral Resource			
		sin			
		Indian Context: Mica,			
	TL-'4 TT	Limestone	┨┝		4
	Unit-II	Distribution, Problems and		BD	
		Management of Energy Resource sin			
		Indian Context: Conventional			
		(Coal) and Non-Conventional			
		(Solar)			
		Power resources and problems		RH	1
		with reference to Petroleum		-	
			┨ ┣	RH	
		Contemporary Energy Crisis			
		and Future Scenario	┨┝	DU	4
		Sustainable Resource Development		RH	
		Soil: Definition, Factors of		RH	
		Formation			
		Development and	[RH	
		Characteristics of an ideal Soil			
		Profile			1 at
DSE 4:	Unit 1:	Physical and Chemical	60	AB	1 st Week
SOIL AND BIO	Soil	Properties of Soil with special reference to			of May
GEOGRAPHY	Geography	Texture, Structure, Organic			
		Carbon and pH			
		Concept of Zonal, A zonal and		AB	1
		Intra zonal Soil; Formation and			
		Profile			
		Characteristics of Laterite and			
		Podsol			4
		Classification of Soil: Russian		AB	
		and Indian(ICAR)			
		Soil Degradation and		BD	
		Management			
		Definition and Scope of Bio-		BD	1
		geography, Meaning of		_	
		Biosphere, Ecology, Ecosystem,			
		Environment, Communities,			
		Habitats, Niche, Ecotone and			
		Biotopes			4
		Biosphere and Energy: Laws of		BD	
		Energy Exchange, Food Chain, Food Web and Energy Flow			
	Unit 2:	Food Web and Energy Flow	┥┝	RD	
	Bio	Bio-Geo Chemical Cycle:		NI/	
	Geography	Carbon,Nitrogen	┥╴┝		
		Factors of Plant Growth:		RD	
		Light, Heat, Moisture, Wind,			
		Soil andTopography			
		Soil andTopography Biomes–Concept and		RD	-

		Classification; Tropical Rain forest &Temperate Grassland Threat to Biodiversity-Causes, Consequences and Conservation	RD	

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