

Polba Mahavidyalaya

Departmental Lesson Plan 2022 – 2023

Name of the Department: Geography

Name of the Programme: B.A. /B.Sc. (~~Honours~~/ General)

Name of the Course: (Subject) : B.A. /B.Sc. Geography [~~Honours~~/ General]

Period of the Lesson Plan : 1st July 2022 – 30th June 2023

Academic Period	Class.	Paper	Topic to be covered		No of Lectures/Practical	Name of the Teachers	Internal Assessment				
			Unit	Topic							
July 2022 to January 2023	SEM 1	CC 1A: Geomorphology and Cartography	Unit I: Geotectonics and Geomorphology	Weathering: Types and related landforms.	60	RD	3rd Week of December				
				Lithosphere – Internal Structure of Earth based on Seismic Evidence,		RD					
				Plate Tectonics and its associated landforms		RH					
				Landform development in arid regions		RH					
				Landform development in glaciated regions.		RH					
				Development of fluvial landforms		RH					
				Fluvial Cycle of Erosion – Davis and Penck		RD					
				Hydrological Cycle and ground water.		RD					
			Unit II: Scale and Cartography	Linear and Comparative scale		BD					
				Proportional diagrams: Circles and squares		BD					
				Composite bar diagram and age-sex pyramid.		BD					
				Taylor's Climograph and Hythergraph		AB					
			SEM 3	CC1C: Human Geography and Map Study		Unit I: Human Geography		Definition, Nature, Major Subfields, Contemporary Relevance	60	RH	2nd Week of December
								Space and Society: Cultural Regions; Race; Religion and Language		RH	
Eskimos: Adjustment to the environment and recent development	RH										
Population: Population Growth and Demographic Transition Theory	RH										

				Types of population migration with reference to India	60	RH	2nd Week of December	
				World Population Distribution and Composition (Age, Gender and Literacy)		RH		
				Settlements: Types and Patterns of Rural Settlements;		RD		
				Classification of Urban Settlements; Functional classification of towns		RD		
				Unit II: Map Projection and Map interpretation		Simple Conical projection with one standard parallel		BD
						Cylindrical Equal Area projection		BD
						Interpretation of Topographical maps: Relation between Physiography, drainage and settlement		AB
						Interpretation of weather maps		RD
			SEC 1: COMPUTER BASICS AND COMPUTER APPLICATION	Theory		Numbering Systems; Binary Arithmetic		AB
						Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation.		AB
Preparation of Annotated Diagrams and its interpretation: Scatter diagram and Histogram	RD							
Internet Surfing: Generation and extraction of information	AB							
SEM 5	DSE-1A:Economic Geography	Economic Geography	Scope and Content of Economic Geography	60	RH	1st Week of December		
			Von Thunen Theory of Land Use		RH			
			Theory of Industrial Location - Weber		RH			
			Types of Farming		RH			
			Intensive Subsistence Farming and Plantation Agriculture		RH			
			Commercial Fishing		BD			
			Mining (iron ore, coal and petroleum)		AB			
			Cotton Textile Industry, Petro-Chemical Industry		RD			
			Field Report		Reort writing based on field survey		AB	
	SEC 3: Field Techniques And Survey Based Project Repor				Significance of Field Work in Geographical Studies		40	RH
Selection of Study Area – Rural or Urban				RH				

				<p>Field Techniques – Merits, Demerits and Selection of the Appropriate Technique; Observation (Participant / Non Participant)</p> <p>Questionnaires (Open/ Closed / Structured / Non-Structured)</p> <p>Interview with Special Focus on Focused Group Discussions</p> <p>Designing the Field Report – Aims and Objectives, Methodology, Analysis, Interpretation and Writing the Report</p> <p>Practical field report</p>		<p>RD</p> <p>BD</p> <p>BD</p> <p>AB</p> <p>AB</p>	
February 2023 to June 2023	SEM 2	CC 1B: Climatology, Soil and Biogeography	Theory	<p>Elements of weather and climate. Thermal and chemical composition and layering of the atmosphere.</p>	60	BD	3 rd Week of May
				<p>Horizontal and vertical distribution of temperature</p>		BD	
				<p>Forms of precipitation and types of rainfall</p>		RH	
				<p>Tropical and Temperate Cyclones, Climatic Classification (Koppen)</p>		RH	
				<p>Definition of soil. Physical and chemical properties of soil (soil texture, colour and pH)</p>		RD	
				<p>Soil forming factors. Soil formation (Podzol and Laterite)</p>		RD	
				<p>Definition of Biosphere and Biogeography. Meaning of Ecology, Ecosystem. Environment, Ecotone, Communities, Habitats and Biotopes</p>		AB	
	<p>Biomes: Rainforest and Temperate Grassland.</p>	AB					
	SEM 4	CC1D: ENVIRONMENTAL GEOGRAPHY	Theory	<p>Concepts and approaches of Environmental Geography:</p>	60	RH	2 nd Week of May
				<p>Concept, Structure and Functions of Ecosystem</p>		RH	
				<p>Human-Environment Relationship in Mountain and Coastal Regions</p>		BD	
				<p>Environmental Problems and Management: Air and Water Pollution</p>		BD	
				<p>Environmental Programmes and Policies: MAB</p>		RD	
				<p>Forest and Wild Life Policy of India</p>		RD	
<p>Environmental Movements in India: Chipko</p>				AB			
<p>Wetlands: Ramsar Sites in India</p>	AB						

			Practical	Questionnaire for Air Pollution and Health Perception Survey		RH	
				Soil Test using Kit : pH and Organic Carbon		AB,RD	
				Mapping of Wetlands from Topographical Sheet		BD	
				Mapping of Forest from Topographical Sheet		BD	
		SEC 2: REGIONAL PLANNING AND DEVELOPMENT		Definition of Region; Types of Regions	40	RD	2nd Week of May
				Regional Planning – Concept and Significance		RD	
				Human Development Index – Concept and Indicators		BD	
				Agricultural Development in India Since 1970s		BD	
				Industrial Development in India Since 1990s		RH	
				Planning Region: DVC		RH	
				Preparation of Questionnaire on Sanitation and Health		AB	
				Preparation of Questionnaire on Waste Management		AB	
SEM 6	DSE-1B: ENVIRONMENTAL GEOGRAPHY	THEORY		Meaning and Classification of Hazards and Disasters.	60	RH	1st Week of May
				Approaches to hazard study: Risk perception and vulnerability assessment		RH	
				Responses to hazards: Preparedness, trauma and aftermath. Resilience and capacity building.		RH	
				Hazard mapping: Data and techniques.		RH	
				Earthquake: Causes, Consequences and Management		AB	
				Landslide: Causes, Consequences and Management		AB	
				Cyclone: Causes, Consequences and Management		AB	
				Flood: Causes, Consequences and Management		AB	
		SEC-4: COLLECTION, MAPING AND INTERRETATION OF PEDALOGICAL DATA	THEORY	Soil Sampling Techniques	40	RD	1st Week of May
				Representation of Soil Texture Data using Ternary Diagram		RD	
				Estimation of Nitrogen using Soil Kit		AB	
				Estimation of Soil pHusing Soil Kit		AB	
				Estimation of Soil Organic Carbonusing Soil Kit		AB	
				Analysis and Mapping – pH and Organic Carbon		AB	

RH- Dr. Rituparna Hajra

RD- Rajesh Das

AB- Ayan Banerjee

BD- Biswajit Dhara