## Polba Mahavidyalaya

## **Departmental Lesson Plan 2019 – 2020**

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 2019 – 30th June 2020

Academic Period	Class.	Paper	Topic to be covered	ed	No of Lectures/P	Name of the Teachers	Internal Assessm
			Unit	Торіс	ractical		ent
July 2019 to January	SEM 1	CC 1A: Geomorphology	<u>Unit 1:</u> Geotectonics and	Weathering: Types and related landforms.	60	BD	3rd Week of
2020		and Cartography Geor	Geomorphology	Lithosphere – Internal Structure of Earth based on Seismic Evidence,	60	BD	Decemb er 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
				Plate Tectonics and its associated landforms		AB	
				Landform development in arid regions		AB	
				Landform development in glaciated regions.		AB	
				Development of fluvial landforms		AB	
				Fluvial Cycle of Erosion – Davis and Penck		BD	
				Hydrological Cycle and ground water.		BD	
			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			Definition, Nature, Major Subfields, Contemporary Relevance		AB	
				Space and Society: Cultural Regions; Race; Religion and Language		AB	
				Eskimos: Adjustment to the environment and recent development		AB	
				Population: Population Growth and Demographic Transition Theory		AB	

SEM     DSE-     Economic     Geography     Geography     Geography     Geography     Geography     Geography     Geography     AB     er       SEM     DSE-     Economic     Geography     Geography     Geography     Geography     Geography     Geography     Geography     Geography     Geography     AB     Interpretation of Veather maps     BD       SEC 1:     Theory     Theory     Numbering Systems; Binary     AB     AB     AB       COMPUTER     BASICS AND     Data Computation, Storing and     AB     AB       COMPUTER     Formatting in Spreadsheets:     Computation of Carrelation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation.     BD       Diagrams and its     Interpretation: Scatter diagram     AB       SEM     DSE-     Economic     Geography     Geography     Geography       Sem     DSE-     Economic     Scope and Content of Economic     Geo     AB       Geography     Geography     Geography     AB     Deceml     er							
SEC 1:     Theory     Numbering System; Binary     60     AB       COMPUTER     Theory     Numbering System; Binary     60     AB       SEC 1:     Computation, Standard parallel     BD     2 <sup>nd</sup> COMPUTER     Theory     Numbering System; Binary     60     AB       Section of technique and interpretation     Data Computation, Storing and Formatting in Spreadsheets;     BD       COMPUTER     Theory     Numbering System; Binary     60     AB       SEC 1:     Computation, Storing and Formatting in Spreadsheets;     BD     AB       APPLICATION     Derivation of Control of Cont						AB	
SEC 1:     Theory     Number of the sector of the s				and Composition (Age, Gender		AB	
SEM     DSE-     Economic     Economic     Sectional Section     Sectional Construction       SEM     DSE-     Economic     Geography     Construction     Social Construction     BD       SEM     DSE-     Economic     Geography     Science     Science     BD       SEM     DSE-     Economic     Geography     Construction     Science     BD       Settiments     Settiments     Science     BD     Projection     BD       Settiments     Construction     Construction     AB     Projection     BD       Settiments     Interpretation of Topographical maps:     Relation between physiography, drainage and settlement     AB     Projection     AB       SEC 1:     Theory     Numbering Systems; Binary Arithmetic     AB     AB     AB       COMPUTER ASICS AND COMPUTER APPLICATION     Data Computation, Storing and Formating in Spreadsheets: Computation of Cank, Mean, Median, Mode; Standard Deviation, Moving Averages, Derivation of Cancel     AB     AB       Set     DSE-     Economic     Scope and Content of Economic Geography     Go     AB       Set 10:     Economic     Scope and Content of Economic Geography     AB     AB       Theory of Industrial Location - Weeker     AB     Meekor <td></td> <td></td> <td></td> <td></td> <td></td> <td>BD</td>						BD	
SEM       DSE-       Economic       Economic       Scope and Content of Equation       BD       2 <sup>nd</sup> SEM       DSE-       1 A:Economic       Economic       Geography       Scope and Content of Equation       AB       Iterpretation       Iterpretation       BD       2 <sup>nd</sup> Week of Decemmic         SEC 1:       Theory       Theory       Numbering Systems; Binary       60       AB       AB       er         SEC 1:       Theory       Numbering Systems; Binary       60       AB       AB       er       er         SEC 1:       Theory       Numbering Systems; Binary       60       AB       AB       er				Settlements; Functional		BD	
and Map interpretationCylindrical projectionEqual Area projectionBDWeek o DecemdInterpretationInterpretation of Topographical maps: Relation between Physiography, drainage and settlementABerSEC 1: COMPUTER BASICS AND COMPUTER APPLICATIONTheory 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: Selection of Information and extraction of Information erBDSEM SDSE- GeographyEconomic GeographyScope and Content of Economic Geography60ABSEM CeographyDSE- GeographyEconomic GeographyScope and Content of Economic Geography60ABSEM CeographyDSE- GeographyEconomic GeographyScope and Content of Economic Geography60ABSEM CeographyDSE- GeographyEconomic GeographyScope and Content of Economic GeographyABSEM CeographyDSE- GeographyEconomic GeographyScope and Content of Economic GeographyABSEM CeographyDSE- GeographyEconomic Geography<			Simple Conical projection with		BD	2 <sup>nd</sup>	
SEM     DSE- 5     Economic Geography     AB				Cylindrical Equal Area		BD	Week of Decemb er
SEC 1:     Theory     Numbering Systems; Binary     60     AB       COMPUTER     BASICS AND     Data Computation, Storing and     AB       COMPUTER     COMPUTER     Data Computation, Storing and     AB       APPLICATION     Data Computation, Storing and     AB       Derivation of Rank, Mean,     Median, Mode, Standard     Deviation, Germating in Spreadsheets:     AB       OCMPUTER     Operation, Moving Averages,     Derivation of Correlation,     Covariance and regression;       Selection of technique and     interpretation.     Preparation of Annoted     BD       Diagrams and its     interpretation:     Setter diagram     AB       Internet Surfing: Generation     AB     AB       SEM     DSE-     Economic     Scop and Content of Economic     60     AB       SEM     DSE-     Economic     Geography     Geography     Von Thunen Theory of Land     AB       Veher     Theory of Industrial Location -     AB     Iff     Weeken				maps: Relation between Physiography, drainage and		AB	
SEC 1:       Theory       Numbering Systems; Binary       60       AB         COMPUTER       BASICS AND       Data Computation, Storing and       AB         COMPUTER       Data Computation, Storing and       AB         APPLICATION       Formatting in Spreadsheets:       AB         Median, Mode, Standard       Deviation, Moving Averages,       AB         Derivation of Correlation,       Covariance and regression;       Selection of technique and         interpretation:       Selection of taching and       BD         Diagrams and its       interpretation:       Selection of information         SEM       DSE-       Economic       Geography         Seed to the commit       Geography       Geography       Geography         Von Thunen Theory of Land       User       AB         Theory of Industrial Location -       AB       If theory					-	BD	
BASICS AND COMPUTER APPLICATION       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 Annoted Diagrams and its interpretation: Scatter diagram and Histogram       BD         SEM       DSE- 1A:Economic Geography       Economic Geography       Scope and Content of Economic Geography       60       AB       1st Week o December Week         SEM       DSE- 1A:Economic Geography       Economic Geography       Scope and Content of Economic Geography       60       AB       1st Week o December Geography         Theory of Industrial Location - Weber       Types of Farming AB       AB			Theory	Numbering Systems; Binary	60		
SEM       DSE-       Economic       Geography       Scope and Content of Economic       60       AB       1st         SEM       DSE-       Economic       Geography       Geography       Geography       60       AB       1st         Types of Farming       Types of Farming       AB       December       AB         Types of Farming       Types of Farming       AB       AB		BASICS AND COMPUTER	Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean,	-	AB		
SEM       DSE-       Economic       Geography       Scope and Content of Economic       60       AB       1st         5       1A:Economic       Geography       Geography       Von Thunen Theory of Land       Use       Week of the original transition         Theory of Industrial Location - Weber       Types of Farming       AB       AB				Deviation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and			
SEM       DSE-       Economic       Geography       Scope and Content of Economic       60       AB       1st         5       1A:Economic       Geography       Geography       Geography       Von Thunen Theory of Land       AB       December         Use       Theory of Industrial Location -       AB       December       AB         Types of Farming       AB       AB       AB					-	BD	
SEM       DSE-       Economic       Scope and Content of Economic       60       AB         5       1A:Economic       Geography       Geography       60       AB       Week of the theory of Land Use         Theory of Industrial Location -       Weber       Theory of Farming       AB       AB         Types of Farming       AB       AB       AB				-			
Image: Sem of the second se				interpretation: Scatter diagram			
SEM       DSE-       Economic       Scope and Content of Economic       60       AB       1st         5       1A:Economic       Geography       Geography       Von Thunen Theory of Land       AB       December         Use       Theory of Industrial Location -       AB       er       AB         Types of Farming       AB       AB       AB         Intensive Subsistence Farming       AB       AB					-	A D	
SEM       DSE-       Economic       Scope and Content of Economic       60       AB       1st         5       1A:Economic       Geography       Geography       Von Thunen Theory of Land       AB       December         Von Thuren Theory of Industrial Location -       Weber       AB       AB       Provide the second secon						AB	
Geography     Von Thunen Theory of Land     AB     December       Use     Theory of Industrial Location -     AB       Weber     AB       Types of Farming     AB       Intensive Subsistence Farming     AB				Scope and Content of Economic	60	AB	Week of Decemb
Weber       Types of Farming       AB       Intensive Subsistence Farming       AB		Geography		Von Thunen Theory of Land Use		AB	
Intensive Subsistence Farming AB				Weber		AB	
					-		
and Plantation Agriculture						AB	
Commercial Fishing     BD					-	BD	
Mining (iron ore, coal and     AB					-		
petroleum)				petroleum)			
Cotton Textile Industry, Petro- Chemical Industry     BD				Cotton Textile Industry, Petro- Chemical Industry			1 <sup>st</sup> Week of
Field Report     Reort writing based on field survey     AB			Field Report	_		AB	
Techniques And     Geographical Studies		<b>Techniques And</b>			40	AB	
Survey Based     Selection of Study Area – Rural     AB     December       Project Report     Selection of Study Area – Rural     AB     December		Survey Based				AB	Decemb er

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				Field Techniques – Merits, Demerits and Selection of the Appropriate Technique; Observation (Participant / Non Participant)		BD	
February 2020 to June 2020				Questionnaires (Open/ Closed / Structured / Non-Structured)	-	BD	
				Interview with Special Focus on Focused Group Discussions		BD	-
				Designing the Field Report – Aims and Objectives, Methodology, Analysis, Interpretation and Writing the Report		AB	
				Practical field report		AB	-
	SEM 2	CC 1B: Climatology, Soil and Biogeography	Theory	Elements of weather and climate. Thermal and chemical composition and layering of the atmosphere.	60	BD	3rd Week of May
				Horizontal and vertical distribution of temperature		BD	
				Forms of precipitation and types of rainfall		AB	
				Tropical and Temperate Cyclones, Climatic Classification (Koppen)		AB	
				Definition of soil. Physical and chemical properties of soil (soil texture, colour and pH)		BD	
				Soil forming factors. Soil formation (Podzol and Laterite)		BD	
				Definition of Biosphere and Biogeography. Meaning of Ecology, Ecosystem. Environment,Ecotone, Communities, Habitats and Biotopes	-	AB	
				Biomes: Rainforest and Temperate Grassland.	-	AB	
	4 ENV TAL	CC1D: ENVIRONMEN TAL GEOGRAPHY	Theory	Concepts and approaches of Environmental Geography:	60	AB	2 <sup>nd</sup> Week of May
				Concept, Structure and Functions of Ecosystem		AB	
				Human-Environment Relationship in Mountain and Coastal Regions		BD	
				Environmental Problems and Management: Air and Water Pollution		BD	
				Environmental Programmes and Policies: MAB	-	BD	
				Forest and Wild Life Policy of India		BD	
				Environmental Movements in India: Chipko		AB	
				Wetlands: Ramsar Sites in India		AB	

			Practical	Questionnaire for Air Pollution and Health Perception Survey		AB	
				Soil Test using Kit : pH and		AB,BD	-
				Organic Carbon			
				Mapping of Wetlands from	1	BD	-
				Topographical Sheet		50	
				Mapping of Forest from	1	BD	-
				Topographical Sheet			
		SEC 2:		Definition of Region; Types of	40	BD	2 <sup>nd</sup>
	REGIONAL	REGIONAL		Regions			Week of
		PLANNING		Regional Planning – Concept		BD	May
		AND		and Significance			
		DEVELOPMEN		Human Development Index –		BD	
		Т		<b>Concept and Indicators</b>			
				Agricultural Development in		BD	
				India Since 1970s			_
				Industrial Development in India		AB	
				Since 1990s			_
				Planning Region: DVC		AB	_
				Preparation of Questionnaire		AB	
	SEM 6			on Sanitation and Health			_
				Preparation of Questionnaire on Waste Management		AB	
		DSE-1B:	THEORY	Meaning and Classification of	60	AB	1 <sup>st</sup>
		ENVIRONMEN TAL GEOGRAPHY	ENVIRONMEN TAL	Hazards and Disasters.			Week of
				Approaches to hazard study:	-	AB	May
				Risk perception and			J
				vulnerability assessment			
				Responses to hazards:		AB	
				Preparedness, trauma and			
				aftermath. Resilience and			
				capacity building.			
				Hazard mapping: Data and		AB	_
				techniques.			
				Earthquake: Causes,		AB	
				Consequences and Management	AB AB AB AB 40 BD BD BD AB AB AB AB		
				Landslide: Causes,		AB	
			COLLECTION, MAPING AND NTERRETATI DN OF PEDALOGICA	Consequences and Management			-
				Cyclone: Causes, Consequences		AB	
				and Management		4.5	-
				Flood: Causes, Consequences		AB	
	MAPING A	COLLECTION, MAPING AND		and Management		DD	1.4
				Soil Sampling Techniques		RD	1st Wook of
				Representation of Soil Texture		BD	Week of May
				Data using Ternary Diagram			
				Estimation of Nitrogen using		AB	7
				Soil Kit			_
		PEDALOGICA L DATA		Estimation of Soil pHusing Soil		AB	
				Kit			
				Estimation of Soil Organic		AB	
				Carbonusing Soil Kit			
				Analysis and Mapping – pH		AB	
				and Organic Carbon			

AB- Ayan Banerjee

BD- Biswajit Dhara