

**DEPARTMENT OF GEOGRAPHY**  
**Govt P.G.College, Berinag**  
**TEACHING PLAN**  
**Year-2023-24**  
**B.A.V Semester**

<b>Paper –I</b> <b>Evolution of Geographical Thoughts</b> <b>Name of Teacher-Mrs. Meenakshi Goswami</b>			
S.N.	Unit	Topic	No. of Lectures Planned
1	I	Definition and purpose of Geography, Different branches of Geography,	01
2		Science and philosophy of Geography, The basic concepts of Geography,	02
3		The basic concepts of Geography,	01
4		Aspects of study and Relationship with other Sciences.	01
5	II	Geography in classical times: Greek and Roman Geographers,	02
6		Contribution by Arab Geographers,	02
7		Contribution by Renaissance,	02
8		Eighteenth century Geography,	02
9		Classical period of Geography.	02
10	III	Formulation of scientific Geography,	02
11		Schools of Thought: German,	02
12		Schools of Thought: French	02
13		Environmental determinism,	02
14		possibilism,	01
15		Neo-determinism	01
16		probabilism,	01
17		British,	02
18		American	02
19		former Soviet Union	02
20	IV	Dualism in Geography,	02
21		Dichotomism of scientific	01
22		regional Geography: Unity in Geography	01
23		Recent Trends in Geography.	02

<b>Paper –II</b> <b>Oceanography</b> <b>Name of Teacher-Mrs. Vinita</b>			
S.N.	Unit	Topic	No. of Lectures Planned
1		Definition, scope and development of Oceanography,	02
2		Distribution of water over the globe.	02
3		Relief of the ocean floor,	02
4		Continental drift and ocean floor spreading,	03
5		Composition of sea water,	02
6		Temperature in oceans,	02



7		Salinity, in oceans,	02
8		density in oceans,	02
9		water masses in ocean,	02
10		Marine deposits,	02
11		Coral landforms,	03
12		Waves and tides,	01
13		ocean currents,	04
14		Marin life,	02

Practical (Projections)			
Name of Teacher- <i>Dr. Meenakshi Goswami</i>			
S.N.	Unit	Topic	No. of Lectures Planned
1	I	Definition of map Projection,	02
2		Necessity of map Projections,	02
3		Mathematical method of drawing projection,	02
4		Classification of map- Projections.	02
5	II	Construction of map Projections: Simple conical Projection with one and two standard parallels	03
6		Construction of map Projections: Bonne's projection.	03
7		Construction of map Projections: Polyconic Projection.	02
8	III	Cylindrical projections: Equidistant	02
9		Equal Area Cylindrical Projections,	02
10		Mercator's stereographic Projection.	03
11		Gall's stereographic Projection.	03
12	IV	Zenithal Projections: Polar zenithal equidistant,	02
13		Equatorial Zenithal equidistant,	02
14		Polar zenithal equal- area,	02
15		Equatorial zenithal equal area.	02

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**B.A.VI Semester**

Paper –I Economic Geography			
Name of Teacher-Mrs. Meenakshi Goswami			
S.N.	Unit	Topic	No. of Lectures Planned
1	I	Meaning, aim and scope of Economic Geography	01
2		Resources: meaning, classification,	02
3		conservation and concepts	01
4		Economic landscapes.	01
5		Primary production,	01
6		Vegetation & forest economy	02

7	II	Soil resources,	01
8		Mineral resources (Iron ore )	01
9		Mineral resources (Bauxite)	01
10		Power resources (Coal, ),	01
11		Power resources (Petroleum),	01
12		Power resources (Hydro-electricity),	01
12	III	Resources conservation.	01
14		Agricultural regions (Derwent Whittlesey),	01
15		Principle crops: Wheat,	01
16		Principle crops: paddy,	01
17		Principle crops: sugarcane	01
18		Principle crops: tea,	01
19	IV	Theory of agriculture location (Van Thunen)	02
20		Theory of industrial location (Weber)	02
21		industrial regions,	02
22		Major industries: Iron & steel,	01
23		Major industries: textiles,.	01
24		Major industries: petro-chemical	01
25	V	Major industries: sugar.	01
26		World transportation	02
27		Major trans- continental railways	01
28		sea and air routes,	01
29		International trade, patterns and trends	01
30		Major trade blocks: NAFTA	01
31		Major trade blocks: EEC,	01
32		Major trade blocks: ASEAN	01
33		Globalization and developing countries.	02

Paper –II Geography of Tourism			
Name of Teacher-Mrs. Vinita			
S.N.	Unit	Topic	No. of Lectures Planned
1	I	Concept of leisure and Tourism: Types of Tourism, Definition, Scope and Significance of Geography of Tourism,	03
2		Geographical Basis of Tourism, Resources and Infrastructure for Tourism:	02
3		Transportation,	01
4		Accommodation	02
5		Basic Infrastructure	02
6		Impact of Tourism: Physical, Economical and Social Cultural Impacts,	01
7	II	Concept of Ecotourism,	02
8		New Emerging Trends in Tourism	01
9		Tourism Marketing: Marketing Concepts and Marketing in Tourism,	02
10	III	The Tourist Products,	01
11		Segmentation- A Priori Segmentation,	02

*Dr. S. K. Sharma*

*Chambers*  
*Teena K. S.*

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12		Tourism Circuits,	02
13		Tour Agencies	02
14	IV	Globalization and Tourism;	02
15		Tourism in India; Resource and Growth,	03
16		National Tourism Policy in India	02
17		Tourism Organizations	03
18		Tourism in Uttarakhand Policies and Planning.	

Practical (Statistical Techniques and Geoinformatics)			
Name of Teacher-Mrs. Vinita			
S.N.	Unit	Topic	No. of Lectures Planned
			02
1	I	Types of data, Collection of data,	02
2		Methods of sampling,	03
3		Measures of central tendency.	04
4	II	Measures of dispersion,	04
5		Correlation Coefficient.	03
6	III	Remote sensing: Components of remote sensing, Remote sensing systems, Platform and sensors,	02
7		optical mechanical sensors, Thermal imaging system, Radar imagery, Ground truth,	02
8		Elements of image interpretation, Image processing techniques,	01
9		Visual and Digital, Geometric & Radiometric corrections,	02
10		Restoration, Enhancement and Classification, supervised and unsupervised.	02
11	IV	Datum and Georeferencing, Geographic Data types: Spatial and Non- spatial data, Raster and Vector models for geographic data representation,	01
12		Linkages and Matching, Principal Functions of GIS. Data Capture,	02
13		Geographic analysis, Scanning System, Data Conversion, Data Based management system (DBMS),	01
14		Data base and Spatial data Management, Geo- Relational Data Model,	01
15		Topological data Structure, Attribute data Management,	02
16		Relational Database- concepts & Model, Digital Elevation Model (DEM) process,	01
17		derivatives and applications	

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**DEPARTMENT OF GEOGRAPHY**  
**Govt P.G.College, Berinag**  
**TEACHING PLAN**  
**Year-2023-24**  
**B.A.I Semester (NEP)**

Paper -I			
Physical Geography			
Name of Teacher-Mrs. Vinita & Dr Meenakshi Goswami			No. of Lectures Planned
S.N.	Unit	Topic	
		Meaning, Scope and Branches of Physical Geography,	01
1	I	Origin of the Earth,	02
2		Solar system and Earth.	01
3		Geological Time Scale	02
4		Interior of the Earth	02
5		Theories of Laplace, Chamberlin, James Jeans, Jeffreys, and Hoyle & Lyttleton	02
6		Rocks: origin and Classification.	02
7	II	Origin of Continents and Ocean Basins	02
8		Continental drift and convectional current theories	01
9		Plate Tectonics,	01
10		Isostasy,	01
11		Earth movements,	01
12		Endogenetic forces	01
13		Major Landforms: Plateau	01
14		Major Landforms: Plains,	01
15		Gradational Processes.	01
16		Weathering	01
17		Erosion, normal cycle of erosion.	01
18		Arid, Glacial,	01
19		Marine and Karst topographies,	01
20		Vulcanicity and Earthquakes.	01
21	III	Soil as a basic component of environment, Soil profile (Soil horizon): Characteristics and Significance, Processes and factors of soil formation.	03
22		Biodiversity and Biosphere, Biotic succession, Biomes and their types,	04
23		Zoogeographical regions of the world. Biodiversity conservation	03
24		Composition and structure of atmosphere,	02
25	IV	Insolation, Vertical and Horizontal Distribution of temperature	02
26		Pressure and pressure belts	03
27		Winds: Planetary, Periodic and Local.	03
28		Humidity, Clouds and Precipitation	02
29		Cyclones and Anticyclones.	02
30		Ocean bottom Topography,	01
31	V	Ocean deposits,	01
32		Ocean Salinity,	01
33		Ocean Temperature,	03
34		Ocean Currents,	02
35		Tides & Coral reefs	
36			

**Practical (NEP)**  
**Basic Cartographic Techniques and Map Readings**  
**Name of Teacher-Mrs. Vinita & Dr Meenakshi Goswami**

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18	IV	Impact of environment on man	01
19		Impact of man on environment	01
20		Environmental problems: pollution, natural hazards and climate change	05
21		Evolution of man: Classification of races,	02
22		Characteristics of Races and their world distribution	01
23		Human adaptation to the environment: Eskimo,	02
24		Bushman,	01
25		Masai	01
26		Tribes of India: habitat, economy, and culture	01
27		Naga	01
28		bhil	01
29		Santhal	01
30		Gaddi	01
31		Bhotia	03
32		Tharu	02
33		Human settlement: Origin, types and patterns, characteristics	02
34		Urban settlement: patterns, characteristics	02
35		Rural settlement: patterns, characteristics	03
36		Houses types and their distribution in India	

Practical (NEP) PRACTICAL (SURVEYING)			No. of Lectures Planned
Name of Teacher-Mrs. Vinita & Dr Meenakshi Goswami			
S.N.	Unit	Topic	
1		Fundamentals of Surveying: Objects, Primary divisions of survey, Classification	02
2		Plane Table Surveying: Radiation,	02
3		Plane Table Surveying: Intesection,	02
4		Plane Table Surveying: Close Traverse	02
5		Plane Table Surveying: Open Traverse,	01
6		Resection by two point and three point problems.	02
7		Surveying by Prismatic Compass: Radiation	02
8		Surveying by Prismatic Compass: Intesection	02
9		Surveying by Prismatic Compass: Close Traverse,	01
10		Surveying by Prismatic Compass:, Open Traverse,	03
11		Correction of bearing.	02
12		Measurement of height by Indian Pattern Clinometer.	05
13		Measurement of depth by Indian Pattern Clinometer	
14		Use of applications og GPS in surveying	

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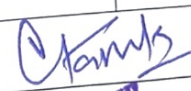
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**Year-2023-24**  
**B.A.III Semester (NEP)**

Paper –I Geography of Tourism Name of Teacher-Mrs. Vinita & Dr Meenakshi Goswami			
S.N.	Unit	Topic	No. of Lectures Planned
1	I	Concept of leisure and Tourism: development of tourism Types of Tourism,	03
2		Definition, Scope and Significance of Geography of Tourism,	02
3		Geographical Basis of Tourism, Resources and Infrastructure for Tourism:	02
4		Transportation,	01
5		Accommodation	02
6		Basic Infrastructure	02
7	II	Impact of Tourism: Physical, Economical and Social Cultural Impacts,	04
8		Concept of Ecotourism,	02
9		New Emerging Trends in Tourism	03
10		Statistics of tourism and data collection	03
11	III	Tourism Marketing: Marketing Concepts and Marketing in Tourism,	02
12		The Tourist Products,	01
13		Segmentation- A Priori Segmentation,	02
14		Tourism Circuits,	02
15		Tour Agencies	02
16		Components of a tourism plan	02
17		The tourism planning process	01
18		Globalization and Tourism:;	01
19	IV	Tourism in India; Resource and Growth,	02
20		National Tourism Policy in India	03
21		Tourism Organizations	02
22		Role of WTO,IATA, UPTAA, AI, IATO etc in promotion and development of tourism	04
23		Sustainable Tourism development in Uttarakhand	02
24		Policies and Planning for Tourism development	02
25		Tourism carrying capacity and limits of acceptable change	02
26		Pro-poor tourism PPT	02
27		Environmental, cultural, social and historical attractions with special reference to uttarakhand himalaya	02
28		Framework for monitoring Sustainability of Tourism in Uttarakhand	02
29			

Practical

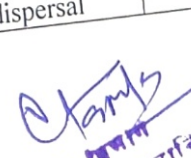
  
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(Cartographic Representative of Geographical Data)			
Name of Teacher-Mrs. Vinita & Dr Meenakshi Goswami			
S.N.	Unit	Topic	No. of Lectures Planned
1	I	Cartography: Meaning, Rules and Methods of Geographical data representation,	02
2		Types of Diagrams, Graph, Distribution maps and cartogram.	02
3		Isopleth choropleth maps.	02
4		Cartographic representation of geographical data by (a) dot method	01
5		Cartographic representation of geographical data by proportional sphere method	01
6		Cartographic representation of geographical data by circle method,	01
7		Representation of economic data: Agriculture production	01
8		Representation of economic data: industrial data	02
9	III	Representation of population data: Growth, distribution	03
10		Representation of population data: employment.	03
11			02
12	III	Representation of climatic data: Climatograph,	02
13		Climograph	02
14		Hythergraph,	03
15	IV	Drainage ordering,	03
16		Slope analysis, Wentworth's and Smith's methods.	

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**B.A.IV Semester (NEP)**

Paper -I			
Regional Planning and Development			
Name of Teacher-Mrs. Vinita & Dr Meenakshi Goswami			
S.N.	Unit	Topic	No. of Lectures Planned
1	I	Regional concept in geography: Concept, Scope & purpose of regional planning	05
2		Types of regions: Formal and functional; uniform and nodal, single purpose and composite region.	05
3	II	Regional Planning: Planning process - sectoral, temporal and spatial dimensions; short-term and long-term perspective planning,	03
4		Indicators of development and their data sources, measuring levels for regional	03
5		development and disparities	03
6		Planning for regional development and multiregional planning in national context	02
7		Regional development strategies: Concentration vs. dispersal	03
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9	III	Case studies for plans of developed and developing countries	02
10		Regional planning and development in India through Five year plans	03
11		problems and prospects	02
12		Regional disparities: causes and consequences	03
13	IV	Concept of Multi-level planning: Decentralized planning;	03
14		peoples participation in the planning process	02
15		Concept and approaches of urban development	03
16		Landscape ecology and sustainable urban development,	02
17		Application of remote sensing and Geographic Information System in	03
18		Development Planning	03
19		Theories and Models for Regional Planning:	03
20		Growth Pole Model of Perroux;	04
21		Myrdal, Hirschman, Rostow and Friedmann.	

Practical ( Quantitative Techniques and Map Projections)			
Name of Teacher-Mrs. Vinita & Dr Meenakshi Goswami			No. of Lectures Planned
S.N.	Unit	Topic	
1	I	Data: Meaning, and Types, Collection of data, Sampling Techniques and Methods,	03
2		Measures of central tendency: Mean,.	02
3		Mode, and Median	02
4		Measures of dispersion; Mean Deviation,	01
5		Quartile Deviation and	01
6		Standard deviation,	01
7		Correlation: Karl Pearson's	01
8		Correlation: Spearman's methods	01
9	III	Definition, Necessity and Classification of map projection, .	01
10		Mathematical method of drawing projections	01
11		Construction of map projections: Simple conical projection with one and two standard parallels	02
12		,Bonne's projection	02
13	III	Polyconic projection	02
14		Cylindrical projections: Equidistant and Equal area cylindrical Projections,	02
15		Mercator's, projection	02
16		Gall's stereographic projection	01
17	IV	Zenithal Projections: Polar zenithal equidistant,	01
18		Equatorial zenithal equidistant, ,	01
19		Polar zenithal equal-area	02
20		Equatorial zenithal equal-area.	
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