

**Teaching Plan (2023-24)**  
**Department of Geography**  
**Govt Degree College Jhandutta Distt. Bilaspur H.P.**  
**B.A. /B.Sc. Geography**

Year	CORE COURSES (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Discipline Specific Elective DSE (4)	Generic Elective GE (2)
First	English/MIL-1	(English/MIL Communication) /Environmental Science			
	Physical Geography (GEOGP101CC)				
	DSC- 2 A				
	English/MIL-1	Environment alScience/ (English/MIL Communication)			
	General Cartography (Practical) (GEOGP102 CC)				
	DSC- 2 B				
Second	English/MIL-2		Regional Planning and Development (GEOGP203SEC)		
	Human Geography (GEOGP201CC)				
	DSC- 2 C				
	English/MIL-2		Remote Sensing and GPS (GEOGP204SEC)		
	Environmental Geography (GEOGP202CC)				
	DSC- 2 D				
Third			Geographic Information System (Practical) (GEOGP301SEC)	Geography of India (GEOGP303-1DSE) or Economic Geography (GEOGP303-2DSE)	GE-1 Disaster Risk Reduction (GEOGP305-GE1)
				DSE-2 A	
			Field Techniques and Survey based Project Report (Practical) (GEOGP302SEC)	Disaster Management (GEOGP304-1DSE) or Geography of Tourism (GEOGP304-2DSE)	GE-2 Sustainability and Development (GEOGP306-GE2)
				DSE-2 B	

**B.A. 1<sup>st</sup> CORE COURSES**  
**1. PHYSICAL GEOGRAPHY (GEOGP101CC)**

Unit	Topics	Month
<b>Admission Process, Orientation and counseling,</b>		<b>July 2023</b>
<b>I.</b>	<b>Introduction</b> Definition and Scope Brief Introduction of Solar System, Origin of The Earth: Tidal Theory of Jeans and Jeffreys and Big Bang Theory Rocks: Classification and Their Characteristics.	<b>August 2023</b>
	<b>Class test and Quiz</b>	
<b>II.</b>	<b>Lithosphere</b> Internal Structure of Earth, Theory of Plate Tectonics, Weathering- Definition, factors and types Fluvial Cycle of Erosion – Davis	<b>September 2023</b>
	<b>Class test and Tutorials and Quiz</b>	
<b>III.</b>	<b>Atmosphere</b> Structure and composition of atmosphere, Heat Balance, Pressure and wind systems, Origin of Tropical Cyclones, Monsoon, Climatic Classification (Koppen).	<b>October and November 2023</b>
	<b>Class test and Tutorials and Quiz</b>	
<b>IV.</b>	<b>Hydrosphere</b> Hydrological Cycle, Bottom Relief Features of Pacific Ocean, Tides and Currents.	<b>December 2023 and February 2024</b>
	<b>Mid Term Test Tutorials and Quiz</b>	
	<b>Revision and Remedial Classes</b>	<b>March 2024</b>

## 2. GENERAL CARTOGRAPHY-PRACTICAL (GEOGP102CC)

<b>Unit</b>	<b>Topic</b>	<b>Month</b>
	<b>Admission Process, Orientation and counseling,</b>	<b>July 2023</b>
<b>I.</b>	<b>Introduction</b> Cartography as a Science of Communication Basics of Map Reading Map- Definition, Classification and Significance of Map	<b>August 2023</b>
	<b>Class test and Quiz</b>	
<b>II.</b>	<b>Scale</b> Definition, Importance and Types of Scale Three exercises in practical record each on Plain, Comparative and Diagonal Scale.	<b>September 2023</b>
	<b>Class test and Quiz</b>	
<b>III.</b>	<b>Map projections</b> Criteria for Choice of Projections; Attributes and Properties of: Zenithal Gnomonic Polar Case, Zenithal Stereographic Polar Case, Cylindrical Equal Area, Mercator's Projection and Conical Projection with Two Standard Parallel	<b>October and November 2023</b>
	<b>Class test and Quiz</b>	
<b>IV.</b>	<b>Representation Of Data</b> Line Graph, Bar Diagrams, Isopleth and Choropleth Maps, Dot method, Climograph and Hythergraph	<b>December 2023 and February 2024</b>
	<b>Mid Term Test and Quiz</b>	
	<b>Final Practical and Revision and Remedial Classes</b>	<b>March 2024</b>

**B.A. 2<sup>nd</sup> Year**  
**1. HUMAN GEOGRAPHY (GEOGP201CC)**

<b>Unit</b>	<b>Topic</b>	<b>Month</b>
	<b>Admission Process, Orientation and counseling</b>	<b>July 2023</b>
<b>I</b>	<b>Introduction</b> Definition, Nature, Major Subfields, Contemporary Relevance of Human Geography	<b>July 2023</b> <b>August 2023</b>
	<b>Class test and Quiz</b>	
<b>I</b>	<b>Population</b> World Population Distribution, density and growth, Demographic Transition Theory.	<b>September 2023</b>
	<b>Class test and Quiz</b>	
<b>III</b>	<b>Space and Society</b> Human Races: Classification(Griffith Taylor) and world distribution Major Religions of the world and distribution Major languages of the world and distribution	<b>October and</b> <b>November 2023</b>
	<b>Class test and Quiz</b>	
<b>IV</b>	<b>Settlements</b> Types and Patterns of Rural Settlements Classification of Urban settlements Trends and Patterns of World Urbanization	<b>December 2023</b> <b>and February 2024</b>
	<b>Mid Term Test and Quiz</b>	
	<b>Revision and Remedial Classes</b>	<b>March 2024</b>

### 3. ENVIRONMENTAL GEOGRAPHY (GEOGP 202CC)

<b>Unit</b>	<b>Topic</b>	<b>Month</b>
	<b>Admission Process, Orientation and counseling,</b>	<b>July 2023</b>
<b>I.</b>	Definition and Scope of Environmental Geography Meaning and Components of Environment Ecosystem – Concept, components and Functions	<b>July 2023 August 2023</b>
	<b>Class test and Quiz</b>	
<b>II.</b>	Human-Environment Relationship Environmental Determinism and Possibilism Biomes- Definition, Mountain and Desert Regions	<b>September 2023</b>
	<b>Class test and Quiz</b>	
<b>III.</b>	Environmental Problems: Air and water Pollution, Their Causes, Impacts and Management, Biodiversity Loss	<b>October and November 2023</b>
	<b>Class test and Quiz</b>	
<b>IV.</b>	Environmental Management Initiatives in India Environmental Protection Act, 1982, Environmental Policy of India(2006), Chipko Movement	<b>December 2023 and February 2024</b>
	<b>Mid Term Test and Quiz</b>	
	<b>Revision and Remedial Classes</b>	<b>March 2024</b>

## Skill Enhancement Course

### 1. REGIONAL PLANNING AND DEVELOPMENT (GEOGP 203SEC)

Unit	Topic	Month
	<b>Admission Process, Orientation and counseling,</b>	<b>July 2023</b>
<b>I.</b>	INTRODUCTION Concept, Need and Types of regional Planning Characteristics and Delineation of Planning Region	<b>July 2023 August 2023</b>
	<b>Class test and Quiz</b>	
<b>II.</b>	Regionalization: Concept, Hill Region: Case study of Himachal Pradesh(Physical and Cultural aspects)	<b>September 2023</b>
	<b>Class test and Quiz</b>	
<b>III.</b>	MODELS FOR REGIONAL PLANNING: Growth Pole Theory and Core Periphery Model	<b>October and November 2023</b>
	<b>Class test and Quiz</b>	
<b>IV.</b>	Regional Development Initiatives: Case Studies Integrated tribal development programme (ITDP) Damodar Valley Corporation(DVC)	<b>December 2023 and February 2024</b>
	<b>Mid Term Test and Quiz</b>	
	<b>Revision and Remedial Classes</b>	<b>March 2024</b>

## 2. REMOTE SENSING AND GPS (GEOGP 204SEC)

Unit	Topic	Month
	<b>Admission Process, Orientation and counseling,</b>	<b>July 2023</b>
<b>I.</b>	Remote Sensing: Definition, Development, Platforms and Types	<b>July 2023 August 2023</b>
	<b>Class test and Quiz</b>	
<b>II.</b>	Aerial Photography: Definitions, Principles, Types and Geometry	<b>September 2023</b>
	<b>Class test and Quiz</b>	
<b>III.</b>	Satellite Remote Sensing: Principles, EMR Interaction with Atmosphere and Earth Surface; Satellites (Landsat and IRS) and Sensors.	<b>October and November 2023</b>
	<b>Class test and Quiz</b>	
<b>IV.</b>	Bases of Visual Interpretation of Remote Sensing images: Land use/ Land Cover, Fundamentals of Global Positioning System (GPS) – Principles and Uses	<b>December 2023 and February 2024</b>
	<b>Mid Term Test and Quiz</b>	
	<b>Final Practical and Revision and Remedial Classes</b>	<b>March 2024</b>

**Practical Record:** A project file consisting of any five exercises will be done from aerial photos/ satellite images (scale, orientation and interpretation) and GPS field survey.

**B.A. IIIrd Year Skill Enhancement Course**  
**1. GEOGRAPHIC INFORMATION SYSTEM (GEOGP 301SEC)**

Unit	Topic	Month
	<b>Admission Process, Orientation and counseling,</b>	<b>July 2023</b>
<b>I.</b>	<b>Introduction</b> Meaning and Scope of GIS, Components of GIS, History of Geographic Information System(GIS)	<b>July 2023</b> <b>August 2023</b>
	<b>Class test and Quiz</b>	
<b>II.</b>	<b>Data Types</b> GIS Data Structures: Types (spatial and Non-spatial), Raster and Vector Data Structure.	<b>September 2023</b>
	<b>Class test and Quiz</b>	
<b>III.</b>	<b>Spatial referencing system</b> Concept of Georeferencing, Editing and attribute data integration	<b>October and November 2023</b>
	<b>Class test and Quiz</b>	
<b>IV.</b>	<b>GIS based Exercises on</b> Georeferencing, Subsetting, Extraction of Land Use/Land Cover layers of any area and thematic mapping	<b>December 2023 and February 2024</b>
	<b>Mid Term Test and Quiz</b>	
	<b>Final Practical and Revision and Remedial Classes</b>	<b>March 2024</b>

**Practical Record:** The course teacher can use Survey of India toposheets/satellite images/Google images of any area of his/her choice for practical exercises. A project file consisting of any 5 exercises using any GIS Software on above mentioned themes.



## 2. FIELD TECHNIQUES & SURVEY BASED PROJECT REPORT (GEOGP 302SEC)

Unit	Topic	Month
	<b>Admission Process, Orientation and counseling,</b>	<b>July 2023</b>
<b>I.</b>	<b>Introduction</b> Field Work in Geographical Studies – Role, Value and Ethics of Field-Work, Defining the Field and Identifying the Case Study – Rural / Urban / Physical / Human / Environmental.	<b>July 2023 August 2023</b>
	<b>Class test and Quiz</b>	
<b>II.</b>	<b>Field Techniques</b> Merits, Demerits and Selection of the Appropriate Technique; Observation (Participant / Non Participant).	<b>September 2023</b>
	<b>Class test and Quiz</b>	
<b>III.</b>	<b>Questionnaires</b> (Open/ Closed / Structured / Non-Structured); Interview with Special Focus on Focused Group Discussions; Space Survey (Transects and Quadrants, Constructing a Sketch).	<b>October and November 2023</b>
	<b>Class test and Quiz</b>	
<b>IV.</b>	<b>Designing the Field Report</b> Aims and Objectives, Methodology, Analysis, Interpretation and Writing the Report.	<b>December 2023 and February 2024</b>
	<b>Mid Term Test and Quiz</b>	
	<b>Final Practical and Revision and Remedial Classes</b>	<b>March 2024</b>

### Practical Record

1. Each student will prepare an individual report based on primary and secondary data collected during field work.
2. The duration of the field work should not exceed 10 days.
3. The word count of the report should be about **8000 to 12,000** excluding figures, tables, photographs, maps, references and appendices.
4. One copy of the report on A 4 size paper should be submitted in soft binding.

**(DSE) Discipline Specific Elective Papers**  
**1. GEOGRAPHY OF INDIA (GEOGP 303-1DSE)**

<b>Unit</b>	<b>Topic</b>	<b>Month</b>
	<b>Admission Process, Orientation and counseling,</b>	<b>July 2023</b>
<b>I</b>	<b>Physical Setting</b> Location, Major physiographic region of India Climate – Factors, Characteristics, Soils of India	<b>July 2023 August 2023</b>
	<b>Class test and Quiz</b>	
<b>II</b>	<b>Population</b> Size and Growth since 1901, Population Distribution and Density, Literacy, Sex Ratio	<b>September 2023</b>
	<b>Class test and Quiz</b>	
<b>III</b>	<b>Settlement System</b> Rural Settlement Types and Patterns, Urban Settlement Types and Pattern.	<b>October and November 2023</b>
	<b>Class test and Quiz</b>	
<b>IV</b>	<b>Resource Base</b> Power (Coal and hydroelectricity), Minerals (iron ore and bauxite). Economy – Agriculture (Rice, Wheat) Industries(Cotton Textile, Iron-Steel)	<b>December 2023 and February 2024</b>
	<b>Mid Term Test and Quiz</b>	
	<b>Revision and Remedial Classes</b>	<b>March 2024</b>

## 2. DISASTER MANAGEMENT (GEOGP 304-1DSE)

Unit	Topic	Month
	<b>Admission Process, Orientation and counseling,</b>	<b>July 2023</b>
<b>I.</b>	<b>Introduction</b> Definition and Concepts.: Hazards, Risk, Vulnerability and Disasters	<b>July 2023</b> <b>August 2023</b>
	<b>Class test and Quiz</b>	
<b>II.</b>	<b>Disasters in India:</b> Causes, Impact, Distribution: Landslide, Earthquake, and Cyclone	<b>September 2023</b>
	<b>Class test and Quiz</b>	
<b>III.</b>	<b>Human Induced Disasters:</b> Causes, Impact, Distribution: Forest Fire, Road Accidents	<b>October and November 2023</b>
	<b>Class test and Quiz</b>	
<b>IV.</b>	<b>Response and Mitigation to Disasters:</b> Mitigation and Preparedness, NDMA and NIDM Community Based Disaster Management Do's and Don'ts During Disasters	<b>December 2023</b> <b>and February 2024</b>
	<b>Mid Term Test and Quiz</b>	
	<b>Revision and Remedial Classes and Remedial Classes</b>	<b>March 2024</b>

**Note: For Remedial Classes student have to contact the Department.**

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