

**Teaching Plan Academic Session: 2025-26**  
**Department of Geography**  
**Jagannath Barooah College, Jorhat**

**Name of the Teacher: NAMRATA BORAH**

**Semester: ODD & EVEN Semester of Undergraduate (NEP) and Post Graduate (CBCS)**

Class/Semester	Title & Code of The Paper Allotted (Credit)	Method of Teaching	Teaching Material	Unit	Topic	Period/Hours Required	Details of the Contents	Remarks
Sem I (Odd)	INTRODUCTION TO THE PLANET EARTH Paper I (GGRMJ - 011) Credit-04	Lecture, Discussion & Notes	Textbook, Diagrams, Models	IV	Contemporary global issues	14	1. Population explosion, pollution, climate change, pandemic and epidemics	
Sem I (Odd)	INTRODUCTION TO THE PLANET EARTH Paper I (GGRMU - 011) Credit-04	Lecture, Discussion & Notes	Textbook, Diagrams, Models	I	Meaning of Environmental Management	14	1. Concept of environment and environmental management, need for environmental management 2. Components of environment- biotic and abiotic 3. Environmental ethics and their significance, traditional environmental ethics	
Sem II (Even)	HUMAN GEOGRAPHY (GGRMJ-022) Credit-04	Lecture, Discussion & Notes	Textbook, Diagrams, Models	I	Introduction to Human Geography	14	1. Field of Human Geography: Nature and Scope, Developmental Trends 2. Branches of Human Geography 3. Relation of Human Geography with other social sciences	
Sem II (Even)	INTRODUCTION TO THE PLANET EARTH Paper I (GGRMU - 021) Credit-04	Lecture , Discussion & Notes	Textbook, Diagrams, Models	I	Meaning of Environmental Management	14	1. Concept of environment and environmental management, need for environmental management 2. Components of environment- biotic and abiotic 3. Environmental ethics and their significance, traditional environmental ethics	
Sem III (Odd)	Physical Geography I (Geomorphology + Oceanography) (GGRMI 031) Credit: 4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	V	Ocean Deposits	10	1. Introduction to Coastal landforms and their Development. 2. Coral Reefs & Atolls; Types & Distribution. 3. Marine Resources: Biotic, Mineral and Energy resources.	
Sem III (ODD)	ENVIRONMENTAL GEOGRAPHY (THEORY) (GGRMJ 032) Credit: 4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	I	Environmental geography- Introduction to the subject	10	1. Concept and Scope of Environmental Geography, Relation with other subjects 2. Geography of Environment - Structure and Components 3. Man-Environment relationship, Socio-Cultural aspects of Environment, Environmental Ethics and Resource utilization.	
Sem III (ODD)	MORPHOMETRIC ANALYSIS (PRACTICAL) (GGRMJ 033)	Lecture, demonstration	Instruments, maps, models	II	Linear Aspects of River basin	12	1. Bifurcation Ratio and Stream Ordering based on Horton and Strahler	
Sem IV	GGRMJ 041 Population	Lecture ,	Textbook,	III	Population	12	1. Patterns and factors of Population Distribution	

(Even)	Geography Credit: 4	Discussion & Notes	Diagrams, Models		Distribution and Migration		2. Migration: Types, Trends and Consequences 3. Models in Migration: Ravenstein, Lee's and Gravity and its related models	
Sem IV (Even)	GGRMI 043 Geography of Health and Well-being Credit: 4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	II	Geographical factors affecting human health and diseases:	12	1. Physical factors- relief. climate, soil and vegetation. 2. Social factors- population density, literacy, social customs and poverty. 3. Economic factors- food security, nutrition, occupation and standard of living. factors- overcrowding, congestion, waste disposal and pollution. 4. Environmental Factors- overcrowding, congestion, waste disposal and pollution	

Sem V (Odd)	Physical Geography II - Climatology and Biogeography; (GGRMJ 051) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	II	Humidity and associated atmospheric processes	12	<ol style="list-style-type: none"> <li>1. Concept of atmospheric humidity and precipitation;</li> <li>2. Concept of air mass and fronts;</li> <li>3. Genesis of Frontal and Tropical cyclones and their effects</li> </ol>	
Sem VI (Even)	Geography of Assam (GGRMJ 062) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	IV	Resource and Industries	12	<ol style="list-style-type: none"> <li>1. Minerals and energy Resources: Types, Importance and their distributions.</li> <li>2. Industries: Petroleum, Cement, Polymer.</li> <li>3. Development of Small scale, emerging and household industries in Assam; problems of industrial development in Assam.</li> <li>4. Tourism: Potential zones, development of tourism, ecotourism and its impact on economy of Assam.</li> </ol>	
PG Sem 1 (Odd)	GEOMORPHOLOGY (THEORY) PGGRC-101 Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	IV	Endogenetic processes	12	<ol style="list-style-type: none"> <li>1. Endogenetic forces, forces of crustal instability</li> <li>2. Concept of isostasy, orogenic structure with special reference to evolution of the Himalayas.</li> <li>3. Development of slope, slope forming processes, slope decline, slope replacement and parallel retreat of slope</li> </ol>	
PG Sem 1 (Odd)	PGGRC-102 (Core) Human Geography (Theory)	Lecture , Discussion & Notes	Textbook, Diagrams, Models	V	Cultural Geography	12	<ol style="list-style-type: none"> <li>1. Definition, scope and development of cultural geography</li> <li>2. Concepts of cultural region, cultural ecology, cultural integration and cultural landscape.</li> <li>3. Man, society and culture in regional context.</li> </ol>	
PG Sem 1 (Odd)	PGGRG-101 Regional Geography of India (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	II	Resource Basis of the Country	12	<ol style="list-style-type: none"> <li>1. Mineral and Power resources.</li> <li>2. Agricultural resources-problems and prospects.</li> <li>3. Industries: iron and steel, cotton textile and tea</li> </ol>	
PG Sem 2 (Even)	PGGRC-201 Climatology, Biogeography and Oceanography (Theory) Credit=4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	III	Introduction to Biogeography	12	<ol style="list-style-type: none"> <li>1. Introduction to Biogeography, its nature and scope</li> <li>2. World distribution of plants</li> <li>3. World distribution of animals</li> </ol>	
PG Sem 2 (Even)	PGGRC-202 Economic Geography (Theory) Credit=4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	I	Geography of Resources		<ol style="list-style-type: none"> <li>1. World distribution of resources and their flow across the global surface:</li> <li>2. Natural resources – forest, iron ore and bauxite</li> <li>3. Agricultural resources – food crops and fibres</li> <li>4. Power resources – petroleum and coal</li> </ol>	

PG Sem 2 (Even)	PGGRD-201 Environmental Geography (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	I	Environmental Geography in a Historical Perspective	12	<ol style="list-style-type: none"> <li>1. Emergence of Environmental geography as a branch of Geography</li> <li>2. Incorporation of the concepts into the Environmental Geography – ecosystem, environmental management, disasters and their mitigation, biodiversity and their conservation, environmental pollution and environmental accounting.</li> </ol>	
PG Sem 2 (Even)	PGGRG-201 (GE) Regional Geography of the World (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	I	Regional Geography of Asia	12	<ol style="list-style-type: none"> <li>1. Physiography of Asia</li> <li>2. Vegetation of Asia</li> <li>3. Climate of Asia</li> <li>4. Population distribution of Asia and</li> <li>5. Economy of Asia</li> </ol>	
PG Sem 3 (Odd)	PGGRC-301 Geographical Thought (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	II	Expansion of geographical horizon during the medieval period	12	<ol style="list-style-type: none"> <li>1. Views of medieval Arab scholars towards the development of Geography,</li> <li>2. Contribution of the voyagers of the medieval period and consequent modification of the world map,</li> <li>3. Cartographic development during the medieval period</li> </ol>	
PG Sem 4 (Even)	PGGRC-401 (Core) Population Geography (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	II	Population Dynamics	12	<ol style="list-style-type: none"> <li>1. Components of population change and its determinants</li> <li>2. Measures of population change and geographic factors influencing them</li> <li>3. Demographic Transition Theory and population momentum in developing countries – Brazil, China and India</li> </ol>	

PG Sem 1 (Odd)	PGGRD-301(C) Political Geography Special paper (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	II & III	Unit-II: Geographic and Geopolitical elements of State	12	<u>Unit-II: Geographic and Geopolitical elements of State</u> Physical, Human and Economic elements of state; Geopolitical elements- population, resource and military; Geopolitical today- Geo-economics, Trade routes, Trade flow. <u>Unit-III: Themes in Political Geography</u> Colonialism, Imperialism, Decolonization, Post Colonization, Neo-Colonization, Neo-Liberalism and Globalization; Federalism and forms of governments; Regional Multinational Association- AASEAN, EU, BRICS & BIMSTEC- their objectives and significance.	
PG Sem 1 (Odd)	PGGRC-303 (C) Political Geography (Practical) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	III	UNIT-III: Federal structure and evolutionary process study	12	<u>UNIT-III: Federal structure and evolutionary process study</u> a) Historical Evolution Of India's Federal Structure: Political Subdivisions- 1941, 1951, 2000 and 2014. b) Reorganisation of North Eastern States. c) Autonomous Council Study: Assam or Northeast India.	
PG Sem 1 (Odd)	PGGRC-401 Population Geography (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	IV	Unit-4: Population Policies	12	<u>Unit-4: Population Policies</u> 1. Population projection- its meaning, significance and methods 2. Population policies and programs in the pro-natalist (France and USA) and anti-natalist (China and Egypt) countries 3. Introduction to population policies of India, their prospects and challenges	
PG Sem 1 (Odd)	PGGRC-402 Geography of Rural Development (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	V	Unit-V: Rural Development in North East India	12	<u>Unit-5: Rural Development in North East India</u> 1. Rural infrastructure planning: education, health, connectivity and markets 2. Decentralized planning for rural areas: Autonomous Hill Development Council, Village Council, Sixth Schedule provisions in North East India 3. Common Property Resources and development	
PG Sem 1 (Odd)	PGGRD-401(C) Political Geography Special Paper (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	III & V	Unit III: Political Geography of India & Unit V: Political Geography of North East India	12	<u>Unit III: Political Geography of India</u> a) Historical evolution of Indian politico-geographic structure; Demands for new states. b) Federalism in India; Patterns of Ethnicity and Languages in India c) Electoral Studies of India: Electoral structures, pattern of political parties of Lok Sabha elections. <u>Unit V: Political Geography of North East India</u> a) Politico-geographic evolution of North eastern states; ethnicity and autonomy movements. b) Border disputes in North-Eastern States; migration & associated issues; underdevelopment and growth of extremism. c) North East India as a hub of regional cooperation.	
PG Sem 1 (Odd)	PGGRD-401(C) Political Geography-Special Paper (Dissertation) Credit :4	Research guidance	Relevant study materials		Dissertation	45	Dissertation Guidance of students of Special Paper on Political Geography	