

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

Name of the Teacher: Mr. SADIQUR RAHMAN

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 (GGRMI - 011) Credit-04	Lecture , Discussion & Notes	Textbook, Diagrams, Models	IV	Contemporary global issues	12	Population explosion, pollution, climate change, pandemic and epidemics	
Sem II (Even)	HUMAN GEOGRAPHY GGRMI 022 Credit-04	Lecture , Discussion & Notes	Textbook, Diagrams, Models	III	Global Population Study from Geographical Perspective	12	1) Population Growth: Components and Determinants 2) Factors & Patterns of Population distribution. 3) Concept of Optimum Population, Under Population and Over Population; Demographic Transition Theory. 4) Migration: Factors and Types	
Sem III (Odd)	GGRMJ 032 ENVIRONMENTAL GEOGRAPHY (Theory) Credit: 4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	IV	Unit IV: Climate Change & Environmental dynamics:	12	1. Understanding Climate Change, Green House gases & sources; Global Warming. 2. Natural & Anthropogenic causes of Climate Change; Evidences of Climate Changes, Impact of Climate Change on Flora, Fauna, Soil and Water. 3. Climate Change and Sustainability, Mitigation and Adaptation strategies; Global Change Initiatives, UNFCCC, Kyoto Protocol	
Sem III (ODD)	GGRMI 031 Physical Geography I (Geomorphology + Oceanography) Credit: 4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	IV	Unit IV: Introduction to Oceano-graphy.	12	1. Oceanography: Meaning, Nature and Scope. 2. Submarine Relief of the Ocean. 3. Ocean Salinity, Temperature and their distribution; 4. Causes & Types of Ocean currents; Currents of Pacific, Atlantic & Indian Ocean. 5. Tides – Causes, Types and Effects.	
Sem IV (Even)	GGRMJ 041 Population Geography Credit: 4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	V	Unit-5: Population Planning and policies:	15	1. Economic composition of population with special reference to India 2. Population as a factor in Development Planning & Sustainable Development 3. Population Policies of India, Singapore and China.	
Sem IV (Even)	GGRMI 041 Population Geography Credit: 4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	IV	Unit IV: Population Theories and Resource Relationship:	12	1. Theories of Population Growth: Malthusian Theory, Thomas Sadler's theory and Karl Marx theory of population. 2. Demographic Transition Theory of Thompson and Notestein 3. Population resource relationship & Impact of Population Growth on Environment	

Sem IV (Even)	GGRMJ 042 Quantitative Techniques in Geography Credit: 4	Lecture , Demonstration & Notes	Textbook, Diagrams, Models	III	Concept of bi- variate analysis (Correlation and Regression):	12	Correlation study using geographical data, introduction to regression study, estimation of data using regression, concept of regression residual; significance and types of correlation and regression study in geography.	
Sem IV (Even)	GGRMJ 043 Geography of Health and Well Being Credit: 4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	III	Unit IV: Health and Disease pattern	15	1. Classification of diseases: communicable and non- communicable, occupational and deficiency diseases. 2. Types of Diseases and their regional pattern (Communicable and Lifestyle related diseases).	
Sem V (Odd)	GGRMJ 052 Geography of India Credit: 4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	IV	INDUSTRY, TRADE AND TRANSPORT.	12	1. Industrial Development: Factors influencing industrial location, Industrial region, Distribution of Iron & Steel, Petrochemical and Information Technology, Emerging industries in globalised environment 2. Transport and Communication: Road, Railways, Waterways; Oil and gas pipelines. Factors associated with development of transport system; physical, economic, social cultural and institutional. 3. Trade: Salient features and Trends of India's Foreign Trade, Composition of Import and Export trade. 4. Industrial policy of India and North East India after 1990.	
Sem V (Odd)	GGRMJ 051 Physical Geography II - Climatology and Biogeography; Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	V	Soil Geography	12	Soil Geography: Definition of soil and its various types; introduction to the soil forming processes, geographical distribution of soils, physical and chemical properties of soil.	
Sem VI (Even)	SEMESTER - VI: PAPER CODE: GGRMJ 061 Evolution of Geographical Thought Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	II	Unit II: Summaries of Key contributors to modern Geography:	12	1. Contribution of the German School: Kant, Humboldt, Ritter and Ratzel 2. Contribution of the French School: Paul Vidal de la Blache, Jean Brunhes, Reclus. 3. Contribution of other Europeans: Darwin, Hettner, Penck, Kropotkin. 4. Contribution of American School: Semple, Davis, Hartshorne and Sauer.	
Sem VI (Even)	GGRMJ 062 Geography of Assam Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	V	Unit V- Population	12	1. Population distribution with special reference to rural and urban population, density, sex ratio and literacy. 2. Components of population change in Assam incorporating fertility, mortality and mobility. 3. The ethnic composition of the population.	
Sem VI (Even)	GGRMI 061 Geography of Assam Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	VII & VIII	Unit IV- Resource and Industries:	12	1. Minerals and energy Resources: Types, Importance and their distributions. 2. Industries: Petroleum, Cement, Polymer. 3. Development of Small scale, emerging and household industries in Assam; problems of industrial development in Assam. 4. Tourism: Potential zones, development of tourism, ecotourism and its impact on economy of Assam.	
PG Sem 1 (Odd)	PGGRD-101 Social, Political and Regional Concepts (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	I	Unit-I: Theoretical Basis of Social Geography.	12	a) Definition, nature and scope of Social Geography b) Influence of environment on society, influence of society on environment c) Classification of earth's environment, types of space. d) Concept of social formation, Modernization and socio-cultural changes.	

PG Sem 1 (Odd)	PGGRD-101 Social, Political and Regional Concepts (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	II	Unit-II: Social characteristics	12	a) Concept of space, types of space, concept of social space b) Influence of geographical factors on religion and language. c) Concept of social evolution, social structure and social differentiation	
PG Sem 1 (Odd)	PGGRG-101 Regional Geography of India (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	V	Unit-V: Economic Development in North East India	12	a) Resources of Northeast India-mineral and power resources and their distribution. b) Agricultural-shifting cultivation in northeast India. c) Level of economic development in northeast-India and interstate disparities.	
PG Sem 2 (Even)	PGGRC-201 Climatology, Biogeography and Oceanography (Theory) Credit=4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	II	Unit-II: Climate change	12	a) History of climate change in the world and evidences of recent climate change. b) Causes of climate change with special reference to the recent change. c) Consequences of climate change currently observed	
PG Sem 2 (Even)	PGGRD-201 Environmental Geography (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	Unit-V:	Environmental Programmes & Policies and healthy practices in Indian context	12	a) Environmental laws in India after independence b) Conservation and preservation programmes c) Healthy practices with reference to protection of environment-Sacred grooves, water harvesting and worshipping of animals and trees.	
PG Sem 2 (Even)	PGGRG-201 (GE) Regional Geography of the World (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models		Unit-III: Regional Geography of Africa	12	a) Physiography of Africa b) Vegetation of Africa c) Climate of Africa d) Population distribution of Africa and e) Economy of Africa	
PG Sem 1 (Odd)	PGGRC-301 Geographical Thought (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	V	UNIT-V: Approaches to the study of Geography	12	1. Positivism, 2. Behaviouralism, 3. Radicalism & 4. Functionalism in geography; 5. Concept of Modernism and Post-Modernism.	
PG Sem 1 (Odd)	PGGRC-302 Research Methodology (Theory) Credit :4	Lecture , Discussion & Notes	Textbook, Diagrams, Models	IV	UNIT-IV: Roots to research	12	Inductive and deductive approaches in geographical studies, concept of development,model building and hypothesis testing.	

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	