

TEACHING PLAN, 2022-2023

(January-June)

Department of Geography

Raha College, Nagaon

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Semester	Paper Code	Paper Title	Credit	Unit	Topic to be covered	No. of classes
2ND SEMESTER (Honours) (THEORY)	GGY - HC -2026	Biogeography	4	1,2,3,4&5	<ul style="list-style-type: none">• Meaning, Scope and Significance of biogeography.• Ecology and Ecosystem, Structure and functioning of ecosystem.• Global distribution of major plants and animals.• Biomes and Biodiversity hotspots of the world.• Soil as a component of environment, soil formation process and factors, soil composition and horizon, Soil types and their distribution in India.	16
2ND SEMESTER (Honours) (PRACTICAL)	GGY- HC- 2026	Biogeography	2	5,6,7 &8	<ul style="list-style-type: none">• Mapping of protected areas (National park, biosphere reserve and wildlife sanctuary) of Assam/ N.E. India/India.• Mapping of phyto-geographic and zoogeographic regions of the world.• Mapping of Biodiversity hotspots of the world.• Mapping of Soil types of Assam/N.E. India and Soil horizons.	10
4TH SEMESTER (Honours) (THEORY)	GGY- HC- 4026	Settlement Geography	4	1,2,3 &4	<ul style="list-style-type: none">• Defining the field of settlement of geography: Nature and scope.• Rural and urban settlements: Factors	14

					<p>influencing distribution pattern of settlements; Types of rural settlements; Characteristics of rural and urban settlements.</p> <ul style="list-style-type: none"> • Morphology of rural and urban settlements; Burgess theory of internal structure of a town. • Concept of settlement hierarchy, primate city and urban fringe; Christaller's Central Place Theory.
<p>4TH SEMESTER (Honours) (THEORY)</p>	GGY-HC-4026	Population and Settlement Geography	4	1,2,3, 4,5 & 6	<ul style="list-style-type: none"> • Defining the field of population geography: nature and scope; Its relation with demography. • Sources, characteristics and problems of population data; Perspectives on Census of India publications – Primary Census Abstract, District Census Hand-Book, Sample Registration System, etc. • Distribution and density of population: Factors influencing population distribution and density; global pattern of population distribution; population density regions in the world. • Population Growth: Trend of global population growth; components of population growth–fertility, mortality and migration; factors influencing fertility and mortality; push and pull factors of migration: spatial variations in population growth in the world. • Theories of population growth: Malthusian Theory and Demographic Transition Theory. • Population composition and associated characteristic patterns in global contexts:

					Age-Sex Composition; Rural-Urban Composition; Contemporary population issues – population ageing, declining sex ratio, pandemics.	
4TH SEMESTER (Honours) (PRACTICAL)	GGY- HC- 4026	Population and Settlement Geography	2	1,2,3, 4,5,6, 7 & 8	<ul style="list-style-type: none"> • Trend of population growth in Assam/N.E. India/India through line graph; Calculation and graphical representation of trend of decadal and annual growth rates of population in Assam/N.E. India/India. • Choropleth map to show spatial pattern of decadal variation in population growth in Assam/N.E. India/India. • Choropleth map showing spatial pattern of population density in Assam/India. • Calculation of distribution pattern of settlements in an area using Nearest Neighbour Analysis. • Map showing spatial variation in social/religious/rural-urban composition of population in Assam/N.E. India using pie-graph. • Choropleth map showing spatial pattern of level of urbanization in Assam/N.E. India. • . Map showing distribution of towns and their varied population size with spheres in Assam/N.E. India. • Flow cartogram showing direction and volume of migration into Assam/N.E. India from different parts of India 	
4TH SEMESTER (REGULAR/GE)	GGY- RC/H G- 4016	Geography of India with Reference N.E. India	2	1,2,3, 4&5	<ul style="list-style-type: none"> • Trend of population growth and growth rates in India and N.E. India/Assam since 1901 using Census of India 	

<p>NERIC) (PRACTICAL)</p>					<p>data (Source: censusindia.gov.in).</p> <ul style="list-style-type: none"> • Choropleth mapping to show spatial variation in decennial population growth rate in India /N E India/Assam. • Spatial variation in the patterns of religious composition of population in India and Social composition of population (SC, ST and General) in N.E. India using pie-graph. • Trend of food grains production (rice, wheat, maize, barley, jowar and bajra) in India since 1950-51 using band-graph. • Map showing distribution of major tribal groups in North-East India 	<p>20</p>
<p>6TH SEMESTER (Honours) (THEORY)</p>	<p>GGY - HE - 6036</p>	<p>Geography of Health</p>	<p>4</p>	<p>1,2,3, 4,5&6</p>	<ul style="list-style-type: none"> • Geography of Health: Definition and significance; approaches of study: ecological, social and spatial; dualism between medical geography and geography of health. • Disease ecology: ecology and human health; geographical factors affecting human health; factors influencing disease transmission (pathological, physical, environmental, social, cultural and economic); Diffusion of diseases and their causes in varied biotic, physical and cultural environments. • Classification of diseases: genetic, zoonotic, communicable, non-communicable, occupational, deficiency diseases and malnutrition. • Disease occurrence: emergence, re-emergence 	<p>40</p>

					<p>and persistence; modes of transmission of major diseases (Malaria, Japanese encephalitis, tuberculosis, hepatitis, AIDS and COVID-19) and their broad global distribution</p> <ul style="list-style-type: none"> • Healthcare systems: Meaning and components; Universal government-funded health system; Role of WHO and UNICEF in global health care; SDG3 for good health and Well-being; Healthcare services in India: family welfare, immunization, National Health Mission and its programmes, health for all programmes, challenges to health care system during pandemic situation like COVID-19. • Environment, human habit and health: Basic concept and ideas relating to food habit and health, occupation and health, environmental degradation and health, lifestyle and human health. 	
6TH SEMESTER (Honours) (THEORY)	GGY - HE - 6036	Geography of Health	2	9,10,11,12,13,14,15&16	<ul style="list-style-type: none"> • Mapping of health status indicators (hospital beds, primary health centres, doctors, para-medics, etc.) in Assam/N.E. India using Z-score method. • Trend of infant mortality and maternal mortality rates in India in relation to selected developed and developing countries using line graph. • Choropleth mapping of infant mortality in India at state level. • Correlation analysis between any physical determinants (monthly rainfall/monthly average temperature) and 	20

					<p>epidemiological incidence of a disease (monthly malaria cases) in any district of Assam.</p> <ul style="list-style-type: none"> • Map showing spatial variation of disease incidence rate in India/N.E. India at state level • Mapping of seasonal variation in the occurrence of Covid-19 cases in Assam at district level using pie graph. • Preparation of questionnaire for healthcare and health status survey. • Computation of distribution pattern of hospitals, health centres, etc. using nearest neighbour analysis. 	
<p>6TH SEMESTER (RE) (THEORY)</p>	GGY-RE-6016	Social and Political Geography	4	1,2,3, 4, 5&6 And 1,2,3 &4	<ul style="list-style-type: none"> • Social Geography: Meaning, Scope and approaches of study. • Concept and types of social space and social groups. • Social Well-being: Concept and components: Housing, health and education; Concept of human development and its measurements. • Contribution of race, religion, language and ethnicity in promoting diversity in India. • Social geographies of inclusion and exclusion: Basic concept and characteristics of caste system, slums, social crime and gender identity. • Political Geography: Nature, scope and approaches to its study. • Concept of state, nation, and nation-state; Attributes of state. • Concept of frontiers and boundaries; boundary 	40

					<p>problems with reference to India and NorthEast India; Concept of buffer zones.</p> <ul style="list-style-type: none"> • Concept of Geopolitics; Mackinder’s Heartland Theory. • Reorganization of states of North-East India during Pre and Post Independence periods (up to the present). 	
<p>6TH SEMESTER (RE) (PRACTICAL)</p>	GGY-RE-6016	Social and Political Geography	2	1,2,3,4,5&6	<ul style="list-style-type: none"> • Mapping the patterns of human development in India and Assam using HDI • Construction of Ternary diagram representing social composition of population in India /North- East India • Sex disparity in literacy in India /North-East India using a simple Index. • 4.Computation of Shape Index for selected states and countries • Construction of a map of India/North-East India highlighting the major inter-state boundary conflict zones. 	20