

TEACHING PLAN, 2021-2022
(July-December)

Department of Geography
Raha College, Nagaon

Name of the faculty –**PARAG DAS,**
Assistant Professor.

Semester	Paper Code	Paper Title	Credit	Unit	Topic to be covered	No. of classes
IST SEMESTER (Honours) (THEORY)	GGY - HC – 1016	Geomorphology	4	1,2,3 & 4	<ul style="list-style-type: none"> • Geomorphology: Nature, Scope and Significance. • Structure and characteristics of the earth's crust and interior • Forces of landform development: Endogenetic forces and Exogenetic forces • Earth Movements: Isostasy 	17
	GGY- HC- 1026	Cartographic Techniques	4	2,3	<ul style="list-style-type: none"> • Thematic mapping: Concept and types 	6
IST SEMESTER (Honours) (PRACTICAL)	GGY – HC – 1016	Geomorphology	2	2,3 & 4	<ul style="list-style-type: none"> • Profile drawing (serial, superimposed, projected and composite). • Preparation of Slope Map / Relative Relief Map: Wentworth's method and Smith's method. • Delineation of drainage basin and drainage network, construction of cross and long profiles, stream ordering by Horton and Strahler's method 	12
1ST SEMESTER	GGY-	Physical	4	1 & 3	<ul style="list-style-type: none"> • .Physical Geography– 	8+8=16

(HONOURS GENRIC & REGULAR) (THEORY)	HG/R C-1036	Geography			Definition and Scope, Components of Earths System. <ul style="list-style-type: none"> • Lithosphere–Internal Structure of Earth based on Seismic Evidence 	
3RD SEMESTER (HONOURS) (THEORY)	GGY-HC-3016	Economic Geography	4	1,2,3,4,5 & 6	<ul style="list-style-type: none"> • Meaning, scope and approaches of Economic Geography. • Economic activity: meaning and classification; Production system: Role of land, labour and capital. • Agriculture: Factors influencing agriculture; types of agriculture; Von Thunen’s model of agricultural location; Factors influencing cultivation of wheat, rice, coffee and tea, and their distribution and production indifferent parts of the world. • Manufacturing: Factors influencing industrial location; Classification of industry; Weber’s theory of industrial location; Factors, distribution and production of iron and steel, cotton textile and IT industries in the world; Special economic zones and technology parks. • Transport system: Modes of transport, factors influencing transport development and role 	

					<p>of transport in resource mobilization and economic development.</p> <ul style="list-style-type: none"> • Trade: Factors influencing trade in different countries of the world; Trade relations of India with the countries like USA, Russia and Japan.. 	
<p>3rd SEMESTER (Honours) (PRACTICA</p>	GGY-HC-3016	Economic Geography	.2	1,2,3,4&5	<ul style="list-style-type: none"> • Trend of rice, wheat and iron & steel production in the world/USA/India since 1960 using moving average and least squares methods. • Trend of production of wheat, rice, maize and barley in the world/USA since 1960 using Band-graph. • Trend of balance of trade relations (export and import value) of India with USA, China and Japan in respect of major commodities since 1990 using Bar-graph. • Regional variation in fertilizer consumption and agricultural productivity in rice, wheat and Barley in selected countries of the world using Bar-graph. • Inter-state/Inter-nation volume of movement of selected commodities and Inter-city Movement of traffic/bus in N.E. India 	

					through flow cartogram.	
3RD SEMESTER (HONOURS GENERIC & REGULAR) (THEORY)	GGY-HG/R C-3016	Economic Geography	4	2	<ul style="list-style-type: none"> Economic activity: meaning and classification; Production system: Role of land, labour and capital; Resource: Concept and classification. 	6
3RD SEMESTER (HONOURS GENERIC & REGULAR) (PRACTICAL)	GGY-HG/R C-3016	Economic Geography	2	1,2,3,4 & 5	<ul style="list-style-type: none"> Trend of rice, wheat and iron & steel production in the world/India since 1960 using Moving average method. Trend of production of wheat, rice, maize and barley in the world/India since 1960 using Band-graph. Trend of balance of trade relations (export and import value) of India with Bangladesh, Nepal and Bhutan in respect of major commodities since 1990 using Bar-graph. Regional variation in fertilizer consumption and agricultural productivity in rice, wheat and barley in selected countries of the world using Bar-graph. Inter-state and Inter-nation volume of movement of selected commodities through flow cartogram. 	
3RD SEMESTER (SKILL ENHANCEME)	GGY-SE-3054	Thematic Cartography	4	1,2,3,4 & 5	<ul style="list-style-type: none"> Thematic cartography: meaning and importance. 	2+5+3+5+5=20

NT) (THEORY					<ul style="list-style-type: none"> • Thematic Mapping: Principles and techniques of representation of physical and human geographic data (point, line, polygon). • Concepts and principles of cartographic overlay and mapping. • Concept of base map; Types of thematic map: ;map reading ;map design, lay out and typography. • Techniques of interpretation of Topographical maps, satellite imageries and aerial photographs for thematic mapping. 	
3RD SEMESTER (SKILL ENHANCEME NT) (PRACTICAL)	GGY- SE- 3054	Thematic Cartography	2	1,2,3,4& 5	<ul style="list-style-type: none"> • Preparation of an administrative/physical map of India containing necessary map elements using appropriate typography. • Preparation of thematic maps for representing human geographic data using choropleth, isopleth, dot, sphere and proportionate circle techniques. • Interpretation of topographical maps for preparation of thematic maps through overlay method (taking point, line and area layers) to show relationship between relief and agriculture; and relief, 	1+5+2+1+ 1=10

					<p>drainage and settlements.</p> <ul style="list-style-type: none"> • Locational accessibility mapping based on travel time through isochronic cartogram. • Preparation of landuse/landcover map through visual interpretation of satellite imagery using appropriate classification scheme. 	
<p>5TH SEMESTER (HONOURS) (THEORY)</p>	GGY-HC-5016	Political Geography	4	1,2,3,4&5	<ul style="list-style-type: none"> • Political Geography: Nature, scope and recent trends; Approaches to its study. • Concept of state, nation, and nation-state; Attributes of State. • Concept of frontiers and boundaries; boundary problems with reference to India and North-East India; Concept of buffer zones. • Concept of Geopolitics, Heartland and Rimland; Mackinder's Heartland Theory. • Concept of colonialism, neo colonialism and lebensraum. 	4+3+5+4+4=20
<p>5TH SEMESTER (HONOURS) (PRACTICAL)</p>	GGY-HC-5016	Social Geography & Political Geography	2	1,2,3,4,5,6&7	<ul style="list-style-type: none"> • Mapping the spatial patterns of human development in India and Assam using HDI. • Construction of Ternary Diagram representing social composition of population in India/North East India. • Level of Social well-being with the help of 	11

					<p>composite Z-score in India /North-East India.</p> <ul style="list-style-type: none"> • Sex disparity in literacy in India/North-East India using Sopher's Disparity Index. • Computation of Shape Index for selected states of India and countries. • Construction of a map of India/North-East India highlighting the major inter-state boundary Conflict zones. • Reorganization of the states of North-East India during Pre and Post Independence periods (up to the present). 	
<p>5TH SEMESTER (HONOURS) (THEORY)</p>	GGY-HE-5066	Agricultural Geography	4	1,2,3,4,5,6,7& 8	<ul style="list-style-type: none"> • Agricultural Geography: Meaning and Scope, Its Significance; Its approaches of study. • Factors influencing agriculture: Physical, Socio-economic, Infra-structural and Institutional. • Agricultural Systems and Types: Global Agricultural Systems; Agricultural types: Intensive and Extensive, Subsistence and Commercial, Plantation Farming, Mixed Farming, Horticulture and Market Gardening. • Von Thunen's Model of Agricultural Location; Concept of 	3+4+8+4+5+8+4+4=40

					<p>Land Rent and Market forces.</p> <ul style="list-style-type: none"> • Concept of cropping patterns: Crop Combination (Nelson's Method), Crop concentration, Intensity of cropping and Crop rotation. • Agricultural Modernization and Development: Concept of agricultural modernization; Inputs of agricultural modernization (mechanization, Irrigation, HYV seeds, fertilizers etc.); Concept of crop productivity and agricultural development. • Factors, distribution and production patterns of rice, wheat and sugarcane in the world. • India's agriculture: Major characteristics and problems; Green revolution; agro climatic regions. 	
<p>5TH SEMESTER (HONOURS) (PRCTICAL)</p>	GGY-HE-5066	Agricultural Geography	2	1,2,3,4,5,6,7& 8	<ul style="list-style-type: none"> • Trend of production of major food grains (rice, wheat, maize etc.) in India/ selected States using moving average method. 	10

					<ul style="list-style-type: none"> • Preparation of the crop-combination Map of Assam/ North East India based on Nelson’s method. • Agricultural productivity pattern in Brahmaputra Valley/Assam/ N E India based on Kendall’s Ranking Method. • Mapping of spatial pattern of Intensity of Cropping in Assam/ North East India • Spatial variation in land use pattern in Brahmaputra valley/ North East India with Pie diagram. • Spatial pattern of crop concentration in North East India/ Assam using Location Quotient Method. • Spatial pattern of level of agricultural development in Assam/ N E India using Composite Z-Score • Correlation and regression analysis between irrigation and cropping intensity In Assam/N.E. India. 	
5TH SEMESTER (REGULAR) (THEORY)	GGY-RE-5036	Population and Settlement Geography	4	1,2,3,4,5&6	<ul style="list-style-type: none"> • Defining the field of population geography: meaning and scope; its relation with demography. • Sources of population data; Perspectives on Census of India publications – Primary Census Abstract, 	

					<p>District Census Hand-Book, Sample Registration System, etc.</p> <ul style="list-style-type: none"> • Distribution and density of population: Factors influencing population distribution and density; global pattern of population distribution. • Population Growth: Trend of global population growth; components of population growth—fertility, mortality and migration; 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; Population ageing. 	
<p>5TH SEMESTER (REGULAR) (PRACTICAL)</p>	GGY-RE-5036	Population and Settlement Geography	2	1,2,3,4,5,6 &7	<ul style="list-style-type: none"> • Trend of population growth in Assam/N.E. India through line graph; Calculation and graphical representation of trend of decadal growth rates of population in Assam/N.E.India/India. • Choropleth map to show spatial pattern of 	8

					<p>decadal variation in population growth in Assam/N.E.India/India.</p> <ul style="list-style-type: none">• Choropleth map showing spatial pattern of population density in Assam/India.• 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.• Flow cartogram showing direction and volume of migration into Assam/N.E. India from different parts of India.• Map showing distribution of towns and their varied population size with spheres in Assam/N.E. India.	
--	--	--	--	--	---	--