

DEPARTMENT OF GEOGRAPHY
B.P. CHALIHA COLLEGE, NAGRBERA

Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Cartographic Techniques (Core Course)

Unit Assigned: 1

Marks Assigned:

CLASS	TOPIC	REMARK
8	Cartography – Meaning, Development (Traditional and Modern Cartography) and Importance of Cartography in Geography.	Theory

Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Physical Geography, Paper Code: GGY-HG-1036

Unit Assigned: 2

Marks Assigned:

CLASS	TOPIC	REMARK
10	Atmosphere – Composition and the vertical structure, Heat Balance, Global Circulation Pattern, Monsoon, Koppen's Climatic Classification.	Theory

Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Human Geography, GGY - HC – 2016

Unit Assigned: 1, 6 & 5

Marks Assigned:

CLASS	TOPIC	REMARK
5	Defining the field of human geography: Meaning and Scope; Nature of human geography and its relation with other social sciences.	Theory
7	Human Settlements: Rural and urban settlements - Origin, growth and morphological characteristics; Types/Patterns of rural settlements; Burgess and Hoyt theories of internal structure of town ; patterns of urbanization : Global and Indian scenario.	Theory
5	Drawing of internal model structure of towns according to Burgess and Hoyt.	Practical

Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Climatology and Biogeography, GGY - HC – 2026

Unit Assigned: 2, 4, 5 and 7

Marks Assigned:

CLASS	TOPIC	REMARK
3	Atmospheric Composition and Structure; and	Theory

	their variation with altitude, latitude and season.	
5	Atmospheric Pressure and Wind system; Planetary Winds, Forces affecting Winds, General Circulation, Jet Streams	Theory
5	Atmospheric Moisture – Evaporation, Humidity, Condensation, Fog, Precipitation Types, Stability and Instability.	Theory
1	Mapping of Biodiversity hotspots of the world.	Practical

Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Human Geography, GGY-HG-2036

Unit Assigned: 1, 5

Marks Assigned:

CLASS	TOPIC	REMARK
8	Field of human geography: meaning, scope and importance.	Theory
7	Origin, growth and characteristics of rural and urban settlements; Patterns of rural settlements; Patterns of urbanization in India and N.E.India.	Theory

Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 3rd Semester

Name of the Paper: Economic Geography, GGY - HC - 3016

Unit Assigned: NIL

Marks Assigned:

CLASS	TOPIC	REMARK
	NIL	

Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 3rd Semester

Name of the Paper: Geography of India with Special Reference to North- East India, GGY - HC
- 3026

Unit Assigned: 6

Marks Assigned:

CLASS	TOPIC	REMARK
14	North-East India: Land of seven sisters and its locational significance; physiographic framework; forest cover; agricultural practices including shifting cultivation; industrial development scenario; population growth, distribution and ethnic composition	Theory

Name of the Teacher: Anita Keot

Course: HG/RC

Semester: B.A.3rd Semester

Name of the Paper: Economic Geography, GGY-HG-3016

Unit Assigned: 6

Marks Assigned:

CLASS	TOPIC	REMARK
5	Trade: Factors influencing trade; Trade relations of India with the countries like Bhutan, Nepal and Bangladesh.	Theory

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Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Population and Settlement Geography, GGY-HC-4026

Unit Assigned: 1, 3, 4

Marks Assigned:

CLASS	TOPIC	REMARK
2	Defining the field of settlement of geography: Nature and scope	Theory
4	Rural and urban settlements: Factors influencing distribution pattern of settlements; Types of rural settlements; Characteristics of rural and urban settlements.	Theory
4	Morphology of rural and urban settlements; Burgess theory of internal structure of a town.	Theory

Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Remote Sensing, GIS and GPS Paper Code: GGY-HC-4036

Unit Assigned: NIL

Marks Assigned:

CLASS	TOPIC	REMARK
	NIL	

Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Geography of India with Reference N.E. India , GGY-HG-4016

Unit Assigned: 8

Marks Assigned:

CLASS	TOPIC	REMARK
8	North-East India: Land of seven sisters and its locational significance; physiographic framework; forest cover; agricultural practices including shifting cultivation; industrial development scenario; population growth pattern.	Theory

Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Urban Geography Paper Code: GGY-HE-5056

Unit Assigned: 2

Marks Assigned:

CLASS	TOPIC	REMARK
4	Urban Geography: Nature and scope; approaches and trends in urban geography	Theory
8	Origin and growth of towns in global and national contexts; Types and characteristics of towns; Functional classification of towns; Schemes of city classification (J.M. Houston's, G. Taylor's and L. Mumford schemes)	Theory
4	Patterns of Urbanisation in developed and developing countries; Components of urbanization and urban	Theory

	population growth.	
4	Organization of urban space: Urban morphology and land use structure; Theories on the internal structure of town: the Sector Theory of Homer and Hoyt, and the Multiple Nuclei Theory of Harris and Ullman	Theory
4	Concept of city-region, urban agglomeration, urban sprawl, umland and periphery, rural-urban dichotomy and continuum, urban fringe, satellite town, new town, smart city	Theory
6	Urban Systems: Concept of urban system and hierarchy; Christaller's Central Place Theory; the rank-size distribution of cities; concept of primate city. (6 classes)	Theory
5	Urban issues and problems: Housing, slums, civic amenities (transportation and drinking water), traffic congestion, pollution (air, noise, water), and crime.	Theory
5	Urbanization and urban development planning in India: Trend and regional patterns of urbanization; national urban development policies and programmes; emerging urban issues of selected cities (Delhi NCR, Mumbai, Guwahati).	Theory

Name of the Teacher: Anita Keot

Course: HG/RC

Semester: B.A. 5th Semester

Name of the Paper: Environmental Geography and Disaster Management Paper Code: GGY-SE-5016

Unit Assigned: 1

Marks Assigned:

CLASS	TOPIC	REMARK
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5	Environmental Geography- Concept scope and significance	Theory
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Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Geographical Thought Paper Code: GGY-HC-6016

Unit Assigned: 1, 2, 3, 4

Marks Assigned:

CLASS	TOPIC	REMARK
8	Early development of Geography: Ancient, dark age, medieval, and age of exploration and discoveries.	Theory
6	Foundation of modern geography: Contribution of the German, French, British and American geographers.	Theory
8	Evolution of geographical thought: Determinism, possibilism, neo-determinism, human ecology, cultural landscape and areal differentiation	Theory
10	Recent trends in geography: Quantitative revolution and its impact, logical positivism, locational school of thought, behaviouralism, humanistic geography and post-modernism.	Theory

Name of the Teacher: Anita Keot

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Geography of Resources and Development Paper Code: GGY-HE-6066

Unit Assigned: 3

Marks Assigned:

CLASS	TOPIC	REMARK
8	Development and Environment: Concept of Development; Urban and Rural Development; Rationale use of resources and the concept of Sustainable Development; Environment and development, Sustainable Development Goals, natural resources management for sustainable rural livelihood.	Theory

Name of the Teacher: Anita Keot

Course: HG/RC (RE)

Semester: B.A. 6th Semester

Name of the Paper: Geography of Resources and Development Paper Code: GGY-RE-6026

Unit Assigned: 5

Marks Assigned:

CLASS	TOPIC	REMARK
8	Sustainable resource development	Theory

DEPARTMENT OF GEOGRAPHY

B.P. CHALIHA COLLEGE, NAGRBERA

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Geomorphology (Core Course)

Unit Assigned: 5 & 1

Marks Assigned: -

CLASS	TOPIC	REMARK
16	Concept of Cycle of Erosion: Davis and Penck, Landform development under Fluvial, Aeolian and Glacial conditions	Theory
6	Study of Topographical Maps: Topographical map content and numbering system, the general interpretation of toposheets in respect of physical characteristics.	Practical

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Cartographic Techniques (Core Course)

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK

Name of the Teacher: Bishnu Ram Talukdar

Course: HG/RC

Semester: B.A. 1st Semester

Name of the Paper: Physical Geography, Paper Code: GGY- HG/RC -1016

Unit Assigned: 1

Marks Assigned: -

CLASS	TOPIC	REMARK
8	Physical Geography – Definition and Scope, Components of EarthSystem	Theory

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Human Geography, GGY - HC – 2016

Unit Assigned: 5& 2

Marks Assigned: -

CLASS	TOPIC	REMARK
7	Man and culture: Ethnicity and Race; Global patterns of racial composition of population and associated characteristics of major racial groups; Global patterns of religious and linguistic composition of population; Tribal people of India and their socio-economic characteristics.	Theory
2	Mapping of distribution of major racial and linguistic groups of population in the world.	Practical

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Climatology and Biogeography, GGY - HC – 2026

Unit Assigned: 5

Marks Assigned: -

CLASS	TOPIC	REMARK
4	Soil as a component of environment , soil formation process and factors , soil composition and horizon, Soil types and their distribution in India	Theory

Name of the Teacher: Bishnu Ram Talukdar

Course: HG/RC

Semester: B.A. 2nd Semester

Name of the Paper: Human Geography, GGY-HG/RC-2016

Unit Assigned: 4

Marks Assigned: -

CLASS	TOPIC	REMARK
7	Global patterns of racial, religious and linguistic composition of population	Theory

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 3rd Semester

Name of the Paper: Economic Geography, GGY - HC - 3016

Unit Assigned: 1

Marks Assigned: -

CLASS	TOPIC	REMARK
3	Meaning, scope and approaches of Economic Geography	Theory

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 3rd Semester

Name of the Paper: Geography of India with Special Reference to North- East India, GGY - HC
- 3026

Unit Assigned: 1, 3, 4

Marks Assigned:

CLASS	TOPIC	REMARK
2	India's location and its significance; administrative divisions.	Theory
8	Physical setting: Physiographic divisions and their characteristics; Climate and its seasonal and regional characteristics; vegetation; soil types and its distribution.	Theory
6	Population: Trend of growth, spatial variation in growth and distribution; Age and sex composition; Linguistic and religious composition	Theory
4	Agriculture: Regional distribution and production patterns of rice, wheat and millet	Theory
6	Industry: Distribution and production patterns of iron and steel, cotton textile and fertilizers; Role of transport system in industrial development.	Theory

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A.3 rd Semester

Name of the Paper: Quantitative Methods in Geography, GGY-HC-3036

Unit Assigned: NIL

Marks Assigned:

CLASS	TOPIC	REMARK
	NIL	

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A.3 rd Semester

Name of the Paper: River Basin Studies, GGY-SE-3044

Unit Assigned: NIL

Marks Assigned:

CLASS	TOPIC	REMARK
	NIL	

Name of the Teacher: Bishnu Ram Talukdar

Course: HG/RC

Semester: B.A.3 rd Semester

Name of the Paper: Economic Geography, GGY-HG/RC-3066

Unit Assigned: 1

Marks Assigned: -

CLASS	TOPIC	REMARK
3	Meaning, scope and approaches of Economic Geography	Theory

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Environmental Geography and Disaster Management, GGY-HC-4016

Unit Assigned:, NIL

Marks Assigned: -

CLASS	TOPIC	REMARK
	NIL	

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Population and Settlement Geography, GGY-HC-4026

Unit Assigned: 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
4	Distribution and density of population: Factors influencing population distribution and density; global pattern of population distribution; population density regions in the world.	Theory
8	Population Growth: Trend of global population growth; components of	Theory

	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.	
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Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Remote Sensing, GIS and GPS Paper Code: GGY-HC-4036

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK
	NIL	

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Surveying Techniques Paper Code: GGY-SE-4054

Unit Assigned: 1, 2,3

Marks Assigned: -

CLASS	TOPIC	REMARK
2	Surveying: Its meaning, types and significance in geography.	Theory
3	Principles of surveying: plane and geodetic surveying; Principles of triangulation.	Theory

8	Techniques of surveying by Plane Table, Prismatic Compass, Theodolite and Dumpy Level.	Theory
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Name of the Teacher: Bishnu Ram Talukdar

Course: HG/RC

Semester: B.A. 4th Semester

Name of the Paper: Geography of India with Reference N.E. India, GGY-HG/RC-4066

Unit Assigned: 1

Marks Assigned:

CLASS	TOPIC	REMARK
3	India's location and its significance; administrative divisions	Theory

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Social and Political Geography Paper Code: GGY-HC-5016

Unit Assigned: 1, 3, 4, 5, 6 &

Marks Assigned: -

CLASS	TOPIC	REMARK
4	Political Geography: Nature, scope and recent trends; Approaches to its study	Theory
3	Concept of state, nation, and nation-state; Attributes of State	Theory
5	Concept of frontiers and boundaries; boundary problems with reference to India and North-East India; Concept of buffer zones	Theory
4	Concept of Geopolitics, Heartland and Rimland; Mackinder's Heartland Theory	Theory
4	Concept of colonialism, neo colonialism and lebensraum.	Theory
2	Computation of Shape Index for selected states of India and countries.	Practical
2	Construction of a map of India/North-East India highlighting the major inter-state boundary conflict zones.	Practical
3	Reorganization of the states of North-East India during Pre and Post Independence periods (up to the present).	Practical

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Field Techniques in Geography Paper Code: GGY-HC-5026

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Urban Geography Paper Code: GGY-HE-5056

Unit Assigned: 2

Marks Assigned: -

CLASS	TOPIC	REMARK

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Agricultural Geography Paper Code: GGY-HE-5066

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK

Name of the Teacher: Bishnu Ram Talukdar

Course: HG/RC

Semester: B.A. 5th Semester

Name of the Paper: Environmental Geography and Disaster Management Paper Code: GGY-SE-5016

Unit Assigned: 2

Marks Assigned:

CLASS	TOPIC	REMARK
5	Human environment relationship- Historical progression, Adaptation in different biomes	Theory

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Geographical Thought Paper Code: GGY-HC-6016

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Research Methods in Geography and Project Work Paper Code: GGY-HC-6026

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Hydrology Paper Code: GGY-HE-6026

Unit Assigned: 2

Marks Assigned: -

CLASS	TOPIC	REMARK
8	Hydrological cycle: Components and water flow pathways-precipitation, infiltration, evaporation, transpiration, surface runoff, storage, through flow, ground water flow; Water distribution on the earth and the water budget; Concept of rainfall intensity and duration, rainfall frequency.	Theory
6	Collection and mapping of monthly /seasonal fluctuation data of ground water level of selected wells (at least 10) in a locality (village/ward).	Practical

Name of the Teacher: Bishnu Ram Talukdar

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Geography of Resources and Development Paper Code: GGY-HE-6066

Unit Assigned: 1, 2 & 6

Marks Assigned:

CLASS	TOPIC	REMARK
6	Geography of Resources and Development: Concept of resource; Relationship between resource- base and development; Significance of resource and development studies in geography; Classification and characteristics of resources	Theory
8	Natural Resources for Development: Distribution, utilisation, and management of land (soil), water, forests, minerals and energy resources in the World and their contribution to development	Theory

1	Correlation and regression analysis of irrigation and intensity of cropping in Assam/North-East India.	Practical
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Name of the Teacher: Bishnu Ram Talukdar

Course: HG/RC

Semester: B.A. 6th Semester

Name of the Paper: Geography of Resources and Development Paper Code: GGY-RE-6026

Unit Assigned: 1

Marks Assigned:

CLASS	TOPIC	REMARK
2	Natural Resources, Concept and Classification	Theory

DEPARTMENT OF GEOGRAPHY

B.P. CHALIHA COLLEGE, NAGRBERA

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Geomorphology (Core Course)

Unit Assigned: 2

Marks Assigned: -

CLASS	TOPIC	REMARK
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16	Earth Movements: Continental Drift Theory, Isostasy, Mountain building: views of Holmes and Kober, Plate tectonics.	Theory
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Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Cartographic Techniques (Core Course)

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
	NIL	

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Physical Geography, Paper Code: GGY-HG-1036

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
10	Hydrosphere: hydrological cycle, ocean bottom relief features, oceanic deposits, tides and currents.	Theory

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Human Geography, GGY - HC – 2016

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
2	Trend of population growth in the world in relation to five most populous countries of the world using line graph.	Practical
2	Spatial patterns of scheduled tribes population and urban population in India at state level through choropleth map (based on percentage and LQ).	Practical

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Climatology and Biogeography, GGY - HC – 2026

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
4	Ecology and Ecosystem, Structure and functioning of ecosystem	Theory
2	Interpretation of Indian Weather map for Monsoon	Practical

	and non-monsoon seasons/months based on various weather symbols depicted on maps.	
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Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Human Geography, GGY-HG-2036

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
1	Trend of population growth in the world in relation to five most populous countries of the world using line graph..	Practical

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 3rd Semester

Name of the Paper: Economic Geography, GGY - HC - 3016

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
3	Economic activity: meaning and classification; Production system: Role of land, labour and capital.	Theory
7	Transport system: Modes of transport, factors influencing transport development and role of transport in resource mobilization and economic development.	Theory
4	Manufacturing: Factors influencing industrial location; Classification of industry; Weber's theory of industrial location; Factors, distribution	Theory

	and production of iron and steel, cotton textile and IT industries in the world; Special economic zones and technology parks.	
4	Trend of rice, wheat and iron & steel production in the world/USA/India since 1960 using moving average and least squares methods.	Practical

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 3rd Semester

Name of the Paper: Geography of India with Special Reference to North- East India, GGY - HC - 3026

Unit Assigned: 1, 3, 4

Marks Assigned:

CLASS	TOPIC	REMARK
	NIL	

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A.3rd Semester

Name of the Paper: Quantitative Methods in Geography, GGY-HC-3036

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
	Nil	

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A.3 rd Semester

Name of the Paper: River Basin Studies, GGY–SE-3044

Unit Assigned: 2

Marks Assigned: -

CLASS	TOPIC	REMARK
5	Concept of fluvial system operating in a river basin; Input-output components in relation to the hydrological cycle; River basin as a fundamental geomorphic unit.	Theory

Name of the Teacher: Ganesh Chandra Das

Course: HG/RC

Semester: B.A.3 rd Semester

Name of the Paper: Economic Geography, GGY-HG-3066

Unit Assigned: 3

Marks Assigned: -

CLASS	TOPIC	REMARK
3	Agriculture: Factors influencing agriculture; types of agriculture; Factors influencing cultivation of wheat, rice and tea, and their distribution and production in the world.	Theory

2	Trend of production of wheat, rice, maize and barley in the world/India since 1960 using Band-graph.	Practical
1	Regional variation in fertilizer consumption and agricultural productivity in rice, wheat and barley in selected countries of the world using Bar-graph	Practical

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Environmental Geography and Disaster Management, GGY-HC-4016

Unit Assigned: 4,5,6,1

Marks Assigned: -

CLASS	TOPIC	REMARK
4	Meaning of Hazard, Disaster, Risk and Vulnerability; Types of hazard/disaster (Natural and Manmade).	Theory
5	Disaster Management Cycle and Phases: Prevention, Preparedness Response, Rehabilitation, Reconstruction and Mitigation,	Theory
6	Major Hazards and Disasters, and their Management: Flood, Earthquake, Wildfire, and Chemical and Nuclear explosions.	Theory
1	Preparation of a disaster vulnerability map of Assam/ N.E. India based on data of natural disasters (Flood/earthquake/landslide/bank erosion) with respect to their occurrence and frequency in different areas.	Practical

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Population and Settlement Geography, GGY-HC-4026

Unit Assigned: 6, 1,5

Marks Assigned: -

CLASS	TOPIC	REMARK
4	Population composition and associated characteristic patterns in global contexts: Age-Sex Composition; Rural-Urban Composition; Contemporary population issues – population ageing, declining sex ratio, pandemics.	Theory
3	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	Practical
1	Map showing spatial variation in social/religious/rural-urban composition of population in Assam/N.E. India using pie-graph.	Practical

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Remote Sensing, GIS and GPS Paper Code: GGY-HC-4036

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK
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	NIL	
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Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Surveying Techniques Paper Code: GGY-SE-4054

Unit Assigned: 4, 5 and 1,2,3,4

Marks Assigned: -

CLASS	TOPIC	REMARK
4	Methods of radiation, intersection, traversing, contouring and leveling in surveying.	Theory
3	GPS: Basic concept, principles and utilities; surveying by Total Station.	Theory
2	Preparation of a plan or a map of an area within the college campus or any suitable area using Plane Table (applying both radiation and intersection methods)	Practical
2	Open and Closed Traverse Surveying with Prismatic Compass: Preparation of plan along with adjustment of closing errors.	Practical
2	Closed Traverse Surveying with Theodolite: Plotting of data for preparation of a plan through computation of Reduced Bearing, Consecutive Co-ordinates and Independent Co-ordinates; Measurement of height of object/objects using Theodolite	Practical
2	Profile levelling and contouring in a selected area by Dumpy Level	Practical

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Geography of India with Reference N.E. India , GGY-HG-4016

Unit Assigned: 4 and 1, 2

Marks Assigned: -

CLASS	TOPIC	REMARK
5	Agriculture: Environmental, Technological and Institutional Factors affecting Indian Agriculture; Distribution and Production of Rice, Wheat and Tea; Agro Climatic Zones; Food Security.	Theory
2	Trend of population growth and growth rates in India and N.E. India/Assam since 1901 using Census of India data (Source: censusindia.gov.in)	
1	Choropleth mapping to show spatial variation in decennial population growth rate in India /N E India/Assam.	

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Social and Political Geography Paper Code: GGY-HC-5016

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Field Techniques in Geography Paper Code: GGY-HC-5026

Unit Assigned: 3

Marks Assigned: -

CLASS	TOPIC	REMARK
1	Closed traverse surveying within College campus with Prismatic Compass and plotting of some details within the polygon, and preparation of a plan with appropriate scale and error correction, if any.	Practical

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Urban Geography Paper Code: GGY-HE-5056

Unit Assigned: 2

Marks Assigned: -

CLASS	TOPIC	REMARK
12		Theory

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Agricultural Geography Paper Code: GGY-HE-5066

Unit Assigned: 1, 3, 4, 5,6,7,8

Marks Assigned: -

CLASS	TOPIC	REMARK
3	Agricultural Geography: Meaning and Scope, Significance; Its approaches of study	Theory
4	Factors influencing agriculture: Physical, Socio-economic, Infra-structural and Institutional	Theory
8	Agricultural Systems and Types: Global Agricultural Systems; Agricultural types: Intensive and Extensive, Subsistence and Commercial, Plantation Farming, Mixed Farming, Horticulture and Market Gardening.	Theory
4	Von Thunen's Model of Agricultural Location; Concept of Land Rent and Market forces.	Theory
5	Concept of cropping patterns: Crop Combination (Nelson's Method), Crop concentration, Intensity of cropping and Crop rotation.	Theory
8	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	Theory
4	Factors, distribution and production patterns of rice, wheat and sugarcane in the world.	Theory
4	India's agriculture: Major characteristics and problems; Green revolution; agro-climatic regions.	Theory

1	Trend of production of major food grains (rice, wheat, maize etc.) in India/ selected States using moving average method.	Practical
2	Preparation of the crop- combination Map of Assam/ North East India based on Nelson's method	Practical
3	Agricultural productivity pattern in Brahmaputra Valley/Assam/ N E India based on Kendall's Ranking Method	Practical
4	Mapping of spatial pattern of Intensity of Cropping in Assam/ North East India Exercises	Practical
5	Spatial variation in land use pattern in Brahmaputra valley/ North East India with Piediagram	Practical
6	Spatial pattern of crop concentration in North East India/ Assam using Location Quotient Method	Practical

Name of the Teacher: Ganesh Chandra Das

Course: HG/RC

Semester: B.A. 5th Semester

Name of the Paper: Agricultural Geography Paper Code: GGY-SE-5016

Unit Assigned: 3

Marks Assigned: -

CLASS	TOPIC	REMARK
2	Eco-system : concept, types and components, structure and functions	Theory

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Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Geographical Thought Paper Code: GGY-HC-6016

Unit Assigned: 2

Marks Assigned: -

CLASS	TOPIC	REMARK
2	Intensity of spatial interaction of Guwahati city with neighboring urban centres	Practical
1	Mapping of population potential surfaces in Assam using the gravity model.	Practical

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Research Methods in Geography and Project Work Paper Code: GGY-HC-6026

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK
	NIL	

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Hydrology Paper Code: GGY-HE-6046

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK
	NIL	

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Geography of Resources and Development Paper Code: GGY-HE-6066

Unit Assigned: 4, 5

Marks Assigned: -

CLASS	TOPIC	REMARK
10	Global issues of Natural Resources and Development: Sustainable Natural Resource Management; United Nations Framework of Classification for Resources (UNFC); Applications of geospatial technology in sustainable natural resource management; Resource and development planning: Conservation of resources , and integrated environment and resource management.	Theory
8	Pattern of Economic Development and Resource use: Patterns of development between developed and developing countries; Resource management in developed countries (USA, Israel and Japan) and resource management in developing countries (Nepal, Bangladesh and	Theory

	Ethiopia); Concept of equity in resource use; Green technology.	
2	Determination of levels of development in India/North-East India/Assam based on few development indicators using simple composite index and ranking method.	Practical
1	Mapping of physiological density of population in Assam at district level or North- East India at state level.	Practical
2	Mapping of spatial variation of category-wise forest cover (very dense, moderate dense and open forest) in Assam/ North-East India using Pie diagram for two points of time based on data from the recent Forest Survey of India's report (<i>available at: https://fsi.nic.in/forest-report-2019</i>).	Practical
1	Preparation of resource potential map of North-East India at state level showing spatial variation in production of selected commodities (rice, maize, coal, petroleum, hydro power, tea, etc.) using simple composite index.	Practical

Name of the Teacher: Ganesh Chandra Das

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Geography of Resources and Development Paper Code: GGY-HG-6026

Unit Assigned: 2

Marks Assigned: -

CLASS	TOPIC	REMARK
4	Distribution, Utilization, Problems and Management of Land Resources and Water resources	Theory

DEPARTMENT OF GEOGRAPHY
B.P. CHALIHA COLLEGE, NAGRBERA

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Geomorphology (Core Course)

Unit Assigned: 2 & 3, 4

Marks Assigned:

CLASS	TOPIC	REMARK
4	Structure and characteristics of the earth's crust and interior	Theory
	.	
7	Profile Drawing (serial, superimposed, projected and composite	Practical
7	Preparation of Slope Map / Relative Relief Map: Wentworth's method and Smith's method.	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Cartographic Techniques (Core Course)

Unit Assigned: 2, 5 & 3

Marks Assigned:

CLASS	TOPIC	REMARK
8	Shape and size of the earth, coordinate system (latitude and longitude)	Theory
6	Thematic mapping: Concept and types	Theory
3	Preparation of thematic maps (choropleth, isopleths and pie diagram) for representing various physical geographic data.	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Physical Geography, Paper Code: GGY-HG-1036

Unit Assigned: 3 & 2, 3

Marks Assigned:

CLASS	TOPIC	REMARK
8	Lithosphere–Internal Structure of Earth based on Seismic Evidence	Theory
4	Profile Drawing (Serial and superimposed).	Practical
3	Rainfall-Temperature Graph, Climograph and Hythergraph.	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Human Geography, GGY - HC – 2016

Unit Assigned: 1, 3, 4

Marks Assigned:

CLASS	TOPIC	REMARK
5	Schools of human geography: Human Ecology, Landscape and Locational	Theory
8	Paradigms of man-environment relationship study: Determinism, Possibilism, Neo-determinism, and Cultural Determinism.	Theory
2	Religious and Linguistic composition of population in the world and five most populous countries of the world using pie-graph.	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Climatology and Biogeography, GGY - HC – 2026

Unit Assigned: 1, 3, 4

Marks Assigned:

CLASS	TOPIC	REMARK
2	Cyclones and anticyclones; Tropical Cyclones, Extra-Tropical Cyclone	Theory
4	Biomes and Biodiversity hotspots of the world.	Practical
2	Preparation of weather reports of Indian subcontinent by analyzing the weather satellite images of at least three consecutive days (e.g. INSAT 3D, NOAA satellite). https://mausam.imd.gov.in/imd_latest/contents/satellite.php# .	Practical
3	Preparation of rainfall-temperature graphs; hythergraph, climograph and ergograph taking data from India /N.E.	Practical

	India /Assam	
3	Mapping of protected areas (National park, biosphere reserve and wildlife sanctuary) of Assam/ N.E. India /India.	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Human Geography, GGY-HG-2036

Unit Assigned: 2 & 3, 4

Marks Assigned:

CLASS	TOPIC	REMARK
8	Concepts of man-environment relationship: Determinism and Possibilism	Theory
2	Religious composition of population in the world and three most populous countries of the world using pie-graph	Practical
2	Spatial patterns of urban population in Assam and N.E. India at state level through choropleth map.	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 3rd Semester

Name of the Paper: Economic Geography, GGY - HC - 3016

Unit Assigned: 3, 6 & 2,3,4,5

Marks Assigned:

CLASS	TOPIC	REMARK
10	Agriculture: Factors influencing agriculture; types of	Theory

	agriculture; Von Thunen's model of agricultural location; Factors influencing cultivation of wheat, rice, coffee and tea, and their distribution and production in different parts of the world	
7	Trade: Factors influencing trade in different countries of the world; Trade relations of India with the countries like USA, Russia and Japan.	Practical
		Practical
4	Trend of production of wheat, rice, maize and barley in the world/USA since 1960 using Band-graph.	Practical
	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	Practical
	Regional variation in fertilizer consumption and agricultural productivity in rice, wheat and barley in selected countries of the world using Bar-graph	Practical
	Inter-state/Inter-nation volume of movement of selected commodities and Inter-city movement of traffic/bus in N.E. India through flow cartogram	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 3rd Semester

Name of the Paper: Geography of India with Special Reference to North- East India, GGY - HC
- 3026

Unit Assigned: 1,2,3,4

Marks Assigned:

CLAS S	TOPIC	REMAR K
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2	Trend of population growth and growth rates in India and N.E. India since 1901 using Census data (Source: census india.gov.in).	Practical
1	Choropleth mapping to show spatial variation in decennial population growth rate in India.	Practical
2	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.	Practical
1	Trend of food grains production (rice, wheat, maize, barley, jowar and bajra) in India since 1950-51 using band-graph.	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A.3 rd Semester

Name of the Paper: Quantitative Methods in Geography, GGY-HC-3036

Unit Assigned: NIL

Marks Assigned:

CLASS	TOPIC	REMARK

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A.3 rd Semester

Name of the Paper: River Basin Studies, GGY-SE-3044

Unit Assigned: 4

Marks Assigned:

CLASS	TOPIC	REMARK
4	Concept of sediment production zone, sediment transfer zone and sediment deposition zone and	Theory

	associated processes.	

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A.3rd Semester

Name of the Paper: Economic Geography, GGY-HG/RC-3016

Unit Assigned: 2 & 2,3,4

Marks Assigned:

CLASS	TOPIC	REMARK
2	Economic activity: meaning and classification; Production system: Role of land, labour and capital; Resource: Concept and classification.	Theory
2	Trend of rice, wheat and iron & steel production in the world/India since 1960 using moving average method.	Practical
2	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	Practical
2	Inter-state and Inter-nation volume of movement of selected commodities through flow cartogram.	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Environmental Geography and Disaster Management, GGY-HC-4016

Unit Assigned: 1, 3, 4

Marks Assigned:

CLASS	TOPIC	REMARK
1	Exploring satellite imageries and toposheets to observe bank line change of Brahmaputra river from any selected stretch in three different time periods and preparation of map there from. (Goalpara, Palashbari, Nimatighat, etc.) Satellite images can be downloaded from https://earthexplorer.usgs.gov/ Survey of India toposheets can be downloaded freely from https://soinakshe.uk.gov.in/mtr/	Practical
1	Mapping of major wetlands in a district and computation of shape and size(area) based distribution.	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Population and Settlement Geography, GGY-HC-4026

Unit Assigned: 1, 2, 5 & 2, 3, 8

Marks Assigned:

CLASS	TOPIC	REMARK
3	Defining the field of population geography: nature and scope; Its relation with demography.	Theory
4	Sources, characteristics and problems of population data; Perspectives on Census of India publications – Primary Census Abstract, District Census Hand-Book, Sample	Theory

	Registration System, etc.	
3	Theories of population growth: Malthusian Theory and Demographic Transition Theory.	Theory
1	Choropleth map to show spatial pattern of decadal variation in population growth in Assam/N.E. India/India.	Practical
1	Choropleth map showing spatial pattern of population density in Assam/India.	Practical
1	Flow cartogram showing direction and volume of migration into Assam/N.E. India from different parts of India.	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Remote Sensing, GIS and GPS Paper Code: GGY-HC-4036

Unit Assigned: 2, 3 & 4

Marks Assigned:

CLASS	TOPIC	REMARK
4	Geographical Information System (GIS): Definition, Development, Components, and Functions; Open source GIS.	Theory
4	GIS Data Types & Structures: Spatial and Non-Spatial Data; Raster and Vector Data Structure, Database Management System (DBMS).	Theory
3	Data Layer Extraction and Spatial Analysis: Buffer, proximity and overlay analysis.	Theory
3	Application of GIS in geographical studies	Theory

	(Land Suitability analysis, Network analysis, Flood damage estimation)	
3	Global Positioning System (GPS): Types, basic principles and functions; Different Navigational Systems.	Theory
3	Application of GPS in surveying and mapping.	Theory
3	Analysis of aerial photographs and satellite image: Determination of photo scale and object height from aerial photo (Using Sterescope); Digital classification of satellite image: supervised and unsupervised.	Practical
3	Geo-referencing and Data layer creation: Map scanning, geometric correction, digitization of different layers using point, line and polygon, attribute data input and their thematic representation, Buffer creation, Overlay analysis	Practical
2	GPS data collection, plotting and mapping of various features within college campus.	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Surveying Techniques Paper Code: GGY-SE-4054

Unit Assigned: NIL

Marks Assigned: 16, 16, 16

CLASS	TOPIC	REMARK

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Geography of India with Reference N.E. India , GGY-HG/RC-4066

Unit Assigned: 7 & 1,2,3,4

Marks Assigned:

CLASS	TOPIC	REMARK
4	Factors influencing Industrial development in the country; Industrial Regions and their characteristics; Industrial Policies in India; Distribution and production patterns of iron and steel and cotton textile.	Theory
2	Trend of population growth and growth rates in India and N.E. India/Assam since 1901 using Census of India data (Source: censusindia.gov.in)	Practical
1	Choropleth mapping to show spatial variation in decennial population growth rate in India /N E India/Assam.	Practical
2	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.	Practical

1	Trend of food grains production (rice, wheat, maize, barley, jowar and bajra) in India since 1950-51 using band-graph.	Practical
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Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Social and Political Geography Paper Code: GGY-HC-5016

Unit Assigned: NIL

Marks Assigned:

CLASS	TOPIC	REMARK

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Field Techniques in Geography Paper Code: GGY-HC-5026

Unit Assigned: 1,2,4 & 4,5,6

Marks Assigned:

CLASS	TOPIC	REMARK
1	Geography and Field Studies: Geography as a field science; Need of field work in geography; Nature of field studies in physical geography and human geography.	Theory

2	Concept of Case Study and Its identification in the varying geographical contexts (Physical/Human/Rural/Urban/Environmental).	Theory
4	Surveying: Concept of ground surveying and mapping; Conduct of traverse surveying with Prismatic Compass; Profile levelling and contouring with Dumpy Level; Pont distribution survey with GPS; Field mapping of Village, River bank, Wetland, Landslides, Market, etc through Transect, Quadrant and sketch map.	Theory
2	Longitudinal profile levelling and contouring in College campus and any nearby area with Dumpy Level, and plotting of collected data in the forms of longitudinal profile and contour map.	Practical
1	Collection of point data from an area with handheld GPS and preparation of a GPS data table and distribution map with down-loaded data	Practical
3	Preparation of field map of a village, urban locality/market, river bank/wetland and its adjoining area or their any section through Transect, Quadrant and sketch map along with a spot photograph of the same.	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Urban Geography Paper Code: GGY-HE-5056

Unit Assigned: NIL

Marks Assigned:

CLASS	TOPIC	REMARK

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Agricultural Geography Paper Code: GGY-HE-5066

Unit Assigned: NIL

Marks Assigned:

CLASS	TOPIC	REMARK

Name of the Teacher: Sochin Boro Choudhury

Course: HG/RC

Semester: B.A. 5th Semester

Name of the Paper: Environmental Geography and Disaster Management Paper Code: GGY-SE-5016

Unit Assigned: 2

Marks Assigned:

CLASS	TOPIC	REMARK
4	Major Global Environmental problems:	Theory

	Pollution, deforestation, Desertification, Global Warming, Bio-Depletion	
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Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Geographical Thought Paper Code: GGY-HC-6016

Unit Assigned: 5, 6

Marks Assigned:

CLASS	TOPIC	REMARK
4	Geographical debates: Regional and systematic; ideographic and homothetic.	Theory
4	Models in geography: Meaning, types and significance; basic concepts of Gravity Model, SpatialDiffusion Model and Distance Decay Model.	Theory

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Research Methods in Geography and Project Work Paper Code: GGY-HC-6026

Unit Assigned: 3, 4,6

Marks Assigned:

CLASS	TOPIC	REMARK
10	Research Design: Statement of the problem, Review of research works, Objectives, Research questions, Hypotheses, Database and methodology, Significance, Organization of the	Theory

	Work and Referencing.	
10	Data Collection: Types and Sources of Data; Methods of primary data collection (both qualitative and quantitative, and physical and human geographic data); Concept of sample survey; Pilot survey; Data processing (Manual and computerised).	Theory
6	Structure of a Research Report: Preliminaries; Text; Tables, Figures and Appendices; Citations, References and Bibliography; Research/Project Report Writing; Executive Summary	Theory
5	Project Report Preparation and Evaluation	Practical

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Hydrology Paper Code: GGY-HE-6026

Unit Assigned: 2

Marks Assigned:

CLASS	TOPIC	REMARK

Name of the Teacher: Sochin Boro Choudhury

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Geography of Resources and Development Paper Code: GGY-HE-6046

Unit Assigned: 4

Marks Assigned:

CLASS	TOPIC	REMARK
1	Identification of important natural resources/resource sites (e.g. Reserve Forests/Wildlife sanctuaries/national parks, mineral resources, Rivers, Grasslands, Wetlands, etc.) within 100km radius around the state capitals of North-East India using Google Earth Platform.	

Name of the Teacher: Sochin Boro Choudhury

Course: HG/RC

Semester: B.A. 6th Semester

Name of the Paper: Geography of Resources and Development Paper Code: GGY-RE-6026

Unit Assigned: 3

Marks Assigned:

CLASS	TOPIC	REMARK
2	Distribution, Utilization, Problems and Management of Forests and Energy resources.	Theory

DEPARTMENT OF GEOGRAPHY

B.P. CHALIHA COLLEGE, NAGRBERA

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Geomorphology (Core Course)

Unit Assigned: 2

Marks Assigned: -

CLASS	TOPIC	REMARK
4 classes	Geomorphology: Nature, Scope and Significance	Theory
18 classes	Forces of landform development: Endogenetic forces (folding, faulting earthquakes and volcanoes) and exogenetic forces (weathering, erosion and mass wasting).	Theory
10 classes	Delineation of drainage basin and drainage network, construction of cross and long profiles, stream ordering by Horton and Strahler's method	Practical

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Human Geography, GGY - HC – 2016

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
8 classes	Man and environment relationship: Impact of environment on man in different geographical conditions; Impact of man and its activities on environment in different parts of the world; Impact of Population growth on development and environmental degradations; House types in different environmental conditions.	Theory
2 classes	Traditional house types of selected ethnic groups of N.E. India and India	practical
4 classes	Drawing of major rural settlement types/patterns; Morphological diagram of a village and a town (preferably based on student's own village and	practical

	town); Drawing of internal model structure of towns according to Burgess and Hoyt.	
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Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Climatology and Biogeography, GGY - HC – 2026

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
2 classes	Meaning of climatology and its significance in geographical studies	Theory
3 classes	Insolation and Temperature; Factors and Distribution and Heat Budget	theory
4 classes	Global distribution of major plants and animals.	theory
2 classes	Calculation of average annual rainfall and variability of annual rainfall and preparation of rainfall distribution and variability maps (using isopleths).	practical
2 classes	Mapping of phyto-geographic and zoogeographic regions of the world	Practical
2 classes	Mapping of Soil types of Assam/N.E. India and Soil horizons.	Practical

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Human Geography, GGY-HG-2036

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
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10 classes	Impact of environment on man; impact of man on environment; population growth and environmental changes; house types in different environmental conditions.	theory
3 classes	Drawing of major rural settlement types/patterns;	Practical

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 3rd Semester

Name of the Paper: Economic Geography, GGY - HC - 3016

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK
	NIL	

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 3rd Semester

Name of the Paper: Geography of India with Special Reference to North- East India, GGY - HC - 3026

Unit Assigned: NIL

Marks Assigned:

CLASS	TOPIC	REMARK
	NIL	

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A.3 rd Semester

Name of the Paper: Quantitative Methods in Geography, GGY-HC-3036

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
4 classes	Quantification and its significance in geographical study; advantages and limitations of quantitative methods in geography.	theory
6 classes	Sampling techniques: meaning of sampling and its need; types of sampling (simple random and stratified random).	Theory
6 classes	Time series analysis and its applications in geographical studies; Basic techniques of time series data analysis (semi-average, moving average and least squares).	theory
4 classes	Computation of mean, median and mode for ungrouped and grouped geographical data; Determination of median and mode using graphical methods; Determination of the location of spatial mean centre of settlements (using centrophoric measure).	Practical
2 classes	Analysis of time series data of some geographical phenomena (rainfall, production, export value, import value, etc) using moving average and least squares methods.	practical

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A.3 rd Semester

Name of the Paper: River Basin Studies, GGY–SE-3044

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLAS S	TOPIC	REMAR K
3 classes	Concept of river basin, catchment area and watershed.	theory
4 classes	Understanding the linear, areal and relief aspects of a river basin.	theory
4 classes	Delineation of a river basin along with drainage network from topographical sheet and preparation of a basin physiography map; conduct of morphometric analysis: Computation of bifurcation ratio,length ratio and basin circulatory ratio	practical
3 classes	Relationship analysis using semi-log graph paper between stream order and stream number;streamorderandaveragestreamlength;streamorderanddrainagearea.	Practical
1 classe	Cross-sectional survey of a river and construction of profiles at least at three points (Field-basedassignment)	Practical
2 classes	Preparation of stream frequency and drainage density maps of a river basin.	Practical
1 class	Estimation of basin runoff for winter and summer months taking monthly water dischargedata and preparation of a hydrograph.	Practical

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A.3 rd Semester

Name of the Paper: Economic Geography, GGY-HG-3066

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
6 classes	Transport system: Modes of transport, factors influencing transport development and role of transport in resource mobilization and industrial development.	Theory

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Environmental Geography and Disaster Management, GGY-HC-4016

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
4 classes	Environmental Geography: Nature, Scope and Significance	Theory
6 classes	Human-Environment Relationships – Historical progression, Adaptation in different Biomes.	Theory
10 classes	Major Global Environmental Problems: Pollution, Deforestation, Desertification, Global Warming, and Bio-Depletion.	Theory
6 classes	National Environmental Policy and National Disaster Management Plan: Environmental Protection Act 1986 and Disaster Management Act 2005.	Theory
1 class	Preparation of a map of a nearby wetland and identify the changes in dimension, water level and encroachment it faced during the last one decade. Present your data in tabular form along with the map (field-based).	Practical

2 classes	Drawing of a diagram of disaster management cycle with reference to some disasters (flood and earthquake) in North-East India and to indicate the activities associated with each step.	Practical
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Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Population and Settlement Geography, GGY-HC-4026

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
4 classes	Concept of settlement hierarchy, primate city and urban fringe; Christaller's Central Place Theory.	Theory
1 class	Calculation of distribution pattern of settlements in an area using Nearest Neighbour Analysis.	Practical
1 class	Choropleth map showing spatial pattern of level of urbanization in Assam/N.E. India.	Practical

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Remote Sensing, GIS and GPS Paper Code: GGY-HC-4036

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK
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Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Surveying Techniques Paper Code: GGY-SE-4054

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Geography of India with Reference N.E. India , GGY-HG-4066

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Population and Settlement Geography, GGY-HG-4076

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK
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Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Social and Political Geography Paper Code: GGY-HC-5016

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
4 classes	Social Geography: Meaning and scope; its approaches of study; and contemporary trend of its development	Theory
4 classes	Concept and types of social space and social groups.	Theory
4 classes	Social Well-being: Concept and Component: Housing, Health and Education; Concept of Human development and its measurements.	Theory
4 classes	Contribution of race, religion, language and ethnicity in promoting diversity in India	Theory
4 classes	Social Geographies of inclusion and exclusion: Caste system, slums, gated communities, communal conflicts and crime; Gender identity.	Theory
2 classes	Mapping the spatial patterns of human development in India and Assam using HDI	Practical
1 class	Construction of Ternary Diagram representing social composition of population in India/North East India.	practical
1 class	Level of Social well-being with the help of composite Z-score in India /North-East India.	Practical
1 class	Sex disparity in literacy in India/North-East	practical

	Indiausing Sopher's Disparity Index	

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Field Techniques in Geography Paper Code: GGY-HC-5026

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Urban Geography Paper Code: GGY-HE-5056

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 5th Semester

Name of the Paper: Agricultural Geography Paper Code: GGY-HE-5066

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Geographical Thought Paper Code: GGY-HC-6016

Unit Assigned: 1

Marks Assigned: -

CLASS	TOPIC	REMARK
1 class	Population Density gradient analysis of Guwahati or any other city.	Practical

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Research Methods in Geography and Project Work Paper Code: GGY-HC-6026

Unit Assigned:

Marks Assigned: -

CLASS	TOPIC	REMARK
	Field report analysis and evaluation	

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Hydrology Paper Code: GGY-HE-6046

Unit Assigned: 2

Marks Assigned: -

CLASS	TOPIC	REMARK
4 classes	Meaning and Scope of hydrology; Importance of hydrological studies in geography with special reference to physical geography.	Theory
4 classes	Runoff characteristics: Concept of surface runoff, Generation of surface runoff and Effects of soil, vegetation and ground slope; Concept of runoff hydrographs	Theory
4 classes	Ground water hydrology: Concept of water table and the aquifer, Fluctuation of ground water table, Ground water movements and recharge.	Theory
6 classes	Basin or catchment hydrology: Precipitation characteristics/types and pattern in relation to basin physiographic units; Concept of basin runoff; Factors affecting basin runoff: Geology and soils, vegetation and land use, physiographic characteristics, meteorological agents and channel and floodplain morphology.	Theory
6 classes	River Hydrology: Sources of river flow, Types of flow, Factors causing river flow variation; Concepts of water discharge, Effects of water discharge on channel morphology; Concepts of discharge hydrographs and the stage-discharge hydrographs.	Theory
2 classes	To estimate runoff from daily water discharge data and to compare the seasonal variation patterns of basin runoff taking i. Two major tributaries of Brahmaputra river, one north bank and one southbank tributary and also taking	Practical

	ii. Two months - one winter and one summer months (December and July)	
2 classes	To prepare discharge hydrographs of Brahmaputra and any one of its major tributaries atleast for three years taking a gap of five years and to analyse the trend of discharge pattern in the rivers.	Practical
2 classes	To prepare a stage-discharge hydrograph of Brahmaputra at any two gauge sites for a particular year and to compare the patterns in discharge and stage variations in the river.	Practical
2 classes	To construct stage-discharge rating curves separately for all months of the year, for monsoon months (may to October) and for non-monsoon months (November to April taking monthly average data of a period of 5/10 years for Brahmaputra or one of its major tributaries and to analyse the seasonal relationship pattern between stage and discharge .	Practical
1 class	To prepare a rainfall variability map of Assam/Brahmaputra Valley based on relevant necessary data and to analyse the rainfall variability pattern.	Practical

Name of the Teacher: Inku Devi

Course: Honours

Semester: B.A. 6th Semester

Name of the Paper: Geography of Resources and Development Paper Code: GGY-HE-6066

Unit Assigned: NIL

Marks Assigned: -

CLASS	TOPIC	REMARK

DEPARTMENT OF GEOGRAPHY
B.P. CHALIHA COLLEGE, NAGRBERA

Name of the Teacher: Dr. Biman Lahkar
 Course: Honours
 Semester: B.A. 1st Semester
 Name of the Paper: Geomorphology (Core Course)
 Unit Assigned: 2
 Marks Assigned: -

CLASS	TOPIC	REMARK
12	Concept of Cycle of Erosion: Davis and Penck, Landform development under Fluvial, Aeolian and Glacial conditions	Theory
3	Study of Topographical Maps: Topographical map content and numbering system, the general interpretation of toposheets in respect of physical characteristics.	Practical

Name of the Teacher: Dr. Biman Lahkar
 Course: Honours
 Semester: B.A. 1st Semester
 Name of the Paper: Cartographic Techniques (Core Course)
 Unit Assigned: 1, 3, 4
 Marks Assigned: -

CLASS	TOPIC	REMARK
8	Maps: Types, scale and content, representation of point, line and areain maps	Theory
10	Map Projections: Concept of Map Projection, Classification of Map Projections; Choice of map projection.	Theory
5	Construction of graphical scale (linear, diagonal and comparative); conversion of map scale	Practical

6	Construction of graticules of Zenithal Polar Gnomonic and Stereographic, Simple Conical with one standard parallel, Bonne's conical, Gall's Stereographic Cylindrical along with their properties, uses and limitations.	Practical
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Name of the Teacher: Dr. Biman Lahkar

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Physical Geography , Paper Code: GGY-HG-1036

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
4	Physical Geography – Definition and Scope, Components of Earth System	Theory

Name of the Teacher: Dr. Biman Lahkar

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Human Geography, GGY - HC – 2016

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
7	Man and culture: Ethnicity and Race; Global patterns of racial composition of population and associated characteristics of major racial groups; Global patterns of religious and linguistic composition of population; Tribal people of India and their socio-economic characteristics.	Theory
2	Mapping of distribution of major racial and linguistic groups of population in the world.	Practical

Name of the Teacher: Dr. Biman Lahkar

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Climatology and Biogeography, GGY - HC – 2026

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
4	Climatic classification of Koppen and Trewartha; Monsoon - Origin and Mechanism.	Theory
2	Meaning, Scope and Significance of biogeography	Theory
3	Preparation of weather reports of Indian subcontinent by analyzing the weather satellite images of at least three consecutive days (e.g. INSAT 3D, NOAA satellite). https://mausam.imd.gov.in/imd_latest/contents/satellite.php# .	Practical

Name of the Teacher: Dr. Biman Lahkar

Course: Honours

Semester: B.A. 2nd Semester

Name of the Paper: Human Geography, GGY-HG-2036

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
2	Traditional house types of selected ethnic groups of N.E. India and India.	Practical

Name of the Teacher: Dr. Biman Lahkar

Course: Honours

Semester: B.A. 3rd Semester

Name of the Paper: Economic Geography, GGY - HC - 3016

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
2	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	Practical

Name of the Teacher: Dr. Biman Lahkar

Course: Honours

Semester: B.A. 3rd Semester

Name of the Paper: Geography of India with Special Reference to North- East India, GGY - HC - 3026

Unit Assigned: 1, 3, 4

Marks Assigned:

CLASS	TOPIC	REMARK
8	Physical setting: Physiographic divisions and their characteristics; Climate and its seasonal and regional characteristics; vegetation; soil types and its distribution.	Theory
2	Map showing distribution of major tribal groups in North-East India.	Practical
10	Preparation of field report based on field study of observational knowledge about the geographical personality of any part of India/N.E. India under the guidance of teacher	Practical

Name of the Teacher: Dr. Biman Lahkar

Course: Honours
Semester: B.A.3 rd Semester
Name of the Paper: Quantitative Methods in Geography, GGY-HC-3036
Unit Assigned: 1, 3, 4
Marks Assigned: -

CLASS	TOPIC	REMARK
4	Geographical Data: Nature, types and sources; scale of measurement (nominal, ordinal, interval and ratio).	Theory
8	Measures of central tendency (mean, median and mode) and dispersion (range, quartile deviation, mean deviation, standard deviation and coefficient of variation) and their applications in geographical data analysis.	Theory
.12	Correlation and Regression Analysis: Meaning of correlation; Bi-variate coefficient of correlation (Spearman's rank correlation and Pearson's product-moment correlation); linear regression analysis; and their applications in geographical data analysis.	Theory
2	Tabulation/Grouping of geographical data for making frequency distribution table; Preparation of Histogram, Frequency Polygon and Frequency Curve	Practical
5	Computation of mean, median and mode for ungrouped and grouped geographical data; Determination of median and mode using graphical methods; Determination of the location of spatial mean centre of settlements (using centographic measure).	Practical
5	Computation of coefficient of correlation between two logically associated geographical phenomena using Spearman's rank correlation and Pearson's product-moment correlation formulae; Preparation of scatter diagram and fitting the line of linear regression of Y on X for any set of bi-variate data relating to meaningful geographical phenomena.	Practical

Name of the Teacher: Dr. Biman Lahkar
Course: Honours

Semester: B.A.3 rd Semester
 Name of the Paper: River Basin Studies, GGY–SE-3044
 Unit Assigned: 1, 3, 4
 Marks Assigned: -

CLASS	TOPIC	REMARK
4	Sources of water flow in a river basin; Concept of basin runoff and channel discharge; factors affecting basin runoff.	Theory

Name of the Teacher: Dr. Biman Lahkar
 Course: Honours
 Semester: B.A.3 rd Semester
 Name of the Paper: Economic Geography, GGY-HG-3066
 Unit Assigned: 1, 3, 4
 Marks Assigned: -

CLASS	TOPIC	REMARK
	Manufacturing: Factors influencing industrial location; types of industry; Factors, distribution and production of iron and steel and cotton textile industry in the world.	Theory
	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.	Practical

Name of the Teacher: Dr. Biman Lahkar
 Course: Honours
 Semester: B.A. 4th Semester
 Name of the Paper: Environmental Geography and Disaster Management, GGY-HC-4016

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
12	Major Global Environmental Problems: Pollution, Deforestation, Desertification, Global Warming, and Bio-Depletion.	Theory
	Preparation of a long-term precipitation time series curve for any selected station of N.E. India using moving average method by downloading the annual rainfall data for any district/station of Assam for at least 30 years from the portal https://www.indiawaterportal.org/met_data/ . Students can also explore the web portal https://mausam.imd.gov.in/ to get an idea of different types of weather data in India and their historical and present distribution.	Practical

Name of the Teacher: Dr. Biman Lahkar

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Remote Sensing, GIS and GPS Paper Code: GGY-HC-4036

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
8	Remote Sensing: Definition and History of Development.	Theory
12	Principles of Remote Sensing System: Energy sources, EMR and its interaction with Atmosphere and Earth Features; Platform, Sensor and Resolutions; Aerial and Satellite	Theory

	Remote Sensing; Fundamentals of Photogrammetry	
10	Remote Sensing data products, sources and characteristics; Elements of Image Interpretation (Visual & Digital); Digital Image Processing: Image Enhancement and Classification (Supervised and Un-supervised).	Theory
6	Application of Remote Sensing: Land, Vegetation and Water	Theory
2	Visual Interpretation of Aerial photograph and Satellite Imagery and preparation of thematic maps based on appropriate classification scheme	Practical

Name of the Teacher: Dr. Biman Lahkar

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Surveying Techniques Paper Code: GGY-SE-4054

Unit Assigned: 1, 3, 4

Marks Assigned: -

CLASS	TOPIC	REMARK
6	Principles of surveying: plane and geodetic surveying; Principles of triangulation.	Theory
5	GPS: Basic concept, principles and utilities; surveying by Total Station	Theory

Name of the Teacher: Dr. Biman Lahkar

Course: Honours

Semester: B.A. 4th Semester

Name of the Paper: Geography of India with Reference N.E. India , GGY-HG-4066
 Unit Assigned: 1, 3, 4
 Marks Assigned: -

CLASS	TOPIC	REMARK
2	Climate: Seasonal Weather Characteristics; Climatic Divisions; Indian Monsoon (mechanism and characteristics).	Theory
1	Preparation of field report based on field study through observational knowledge about the geographical personality of any part of India/N.E. India/Assam under the guidance of teacher(s).	Practical

Name of the Teacher: Dr. Biman Lahkar
 Course: Honours
 Semester: B.A. 5th Semester
 Name of the Paper: Social and Political Geography Paper Code: GGY-HC-5016
 Unit Assigned: 1, 3, 4
 Marks Assigned: -

CLASS	TOPIC	REMARK
5	Concept of state, nation, and nation-state; Attributes of State	Theory
6	Concept of frontiers and boundaries; boundary problems with reference to India and North-East India; Concept of buffer zones	Theory

Name of the Teacher: Dr. Biman Lahkar
 Course: Honours
 Semester: B.A. 5th Semester
 Name of the Paper: Field Techniques in Geography Paper Code: GGY-HC-5026

Unit Assigned: 1, 3, 4
Marks Assigned: -

CLASS	TOPIC	REMARK
4	Geography and Field Studies: Geography as a field science; Need of field work in geography; Nature of field studies in physical geography and human geography	Theory
14	Tools and Techniques in Field Studies: Nature of data and their collection techniques relating to various geographical phenomena (Physical and Human); Structure of field survey questionnaire; Collection of Physical geographic data: Observations and photography, field interview, questionnaire survey, Equipment/Measurement-based survey, etc; Collection of Human geographic data: Questionnaire survey, Participant observation, PRA, Focus group interview/discussion, etc.	Theory
4	Preparation of Field Study Report and its broad design: Basis of selection of the theme of field study; Objectives, Methods of data collection, Location/Situation of the study area, Data Analysis and mapping, Interpretation/Findings.	Practical
2	Field observations of a near-by area and preparation of a brief report (within 4-5 pages) about the prevailing physical and human landscape of the area along with its spot photograph	Practical
4	Preparation of two field survey questionnaire/schedule (within 2 pages each)	Practical

	for collection of data relating to two different broad phenomena/problems (one on physical phenomenon and another on human phenomenon), and processing, tabulation and graphical representation of the same.	
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Name of the Teacher: Dr. Biman Lahkar

Course: Honours

Semester: B.A. 1st Semester

Name of the Paper: Urban Geography Paper Code: GGY-HE-5056

Unit Assigned: 2

Marks Assigned: -

CLASS	TOPIC	REMARK
2	Plotting of million cities of India by using proportionate sphere method.	Practical
3	Map showing distribution of class I and II urban centres in Assam/NE India by using proportionate sphere method	Practical
2	Calculation of distribution pattern of urban settlements in a District/State of N.E. India using Nearest Neighbour Analysis	Practical
2	Delineation of urban influence zones of selected urban centres of Assam/N.E. India using Reilly's breaking point formula.	Practical

Name of the Teacher: Dr. Biman Lahkar

Course: Honours
Semester: B.A. 6th Semester
Name of the Paper: Geographical Thought Paper Code: GGY-HC-6016
Unit Assigned: 1, 3, 4
Marks Assigned: -

CLASS	TOPIC	REMARK
4	Demarcation of urban influence zone by using Reilly's breaking point formula.	Practical

Name of the Teacher: Dr. Biman Lahkar
Course: Honours
Semester: B.A. 6th Semester
Name of the Paper: Research Methods in Geography and Project Work Paper Code: GGY-HC-6026
Unit Assigned: 1, 3, 4
Marks Assigned: -

CLASS	TOPIC	REMARK
10	Meaning and significance of research; types of research; Basics of research methodology; Review of literature and its need; Ethics of research.	Theory
10	Data Collection: Types and Sources of Data; Methods of primary data collection (both qualitative and quantitative, and physical and human geographic data); Concept of sample survey; Pilot survey; Data processing (Manual and computerised).	Theory
5	Statistical Analysis of Data: Qualitative data analysis; Quantitative data analysis; Data representation (Manual and computerised).	Theory

20	Project Report Preparation and Evaluation	Practical
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