

Nalbari College, Nalbari

**Teaching Plan 1<sup>st</sup> Semester for the Session**

Name of the Teacher: Dr Darshana Sarmah

Department: Geography

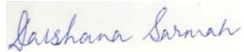
Semester: 1st Semester(FYUG)

Paper Name: **Introduction to Physical Geography**

Learning Objectives:

1. The students will be introduced to a new applied aspect/branch of Geography.
2. Students will learn about different aspects of climatology, different parameters and elements in details.
3. Students will be aware of climatological changes and its significance.

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
1.	Meaning of Climatology	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
2.	Scope of Climatology				
3.	Significance of Climatology				
4.	Pressure System				
5.	Wind System				



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## Teaching Plan 2<sup>nd</sup> Semester for the Session

Name of the Teacher: Dr Darshana Sarmah

Department: Geography

Semester: II Semester

Paper Name: **Human Geography**

Paper Code: **GGY-HC-2016**

Learning Objectives:

1. Students will be able to understand the surrounding environment more elaborately.
2. Students will be able to retrospect the different direct and indirect activities of human affecting the environment
3. Students will able to understand how environment shapes our lifestyle.
4. Environmental awareness will be created.

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
6.	Impact of Environment on Man in different geographical conditions	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
7.	Impact of man and its activities on environment in different parts of the world				
8.	Impact of Population growth on development and environmental degradation				
9.	House types in different environmental conditions				

*Darshana Sarmah*

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Semester: II Semester

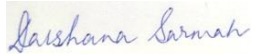
Paper Name: **Climatology and Biogeography**

Paper Code: **GGY-HC-2026**

Learning Objectives:

1. Students will get an in-depth knowledge of the branch of geography.
2. Students will be able to understand climate and its different aspects in more detailed manner.
3. Understanding of pressure system of the earth and the consequent wind changes will provide a deep insight to the climatological study.

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
1.	Atmospheric Pressure and Wind System	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
2.	Planetary Winds				
3.	Forces affecting Winds				
4.	General Circulation of Winds				
5.	Jet Stream				



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## Teaching Plan 3<sup>rd</sup> semester for the Session

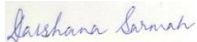
Paper Name: **Economic Geography**

Paper Code: **GGY-HC-3016**

Learning Objectives:

5. Students will be able to understand the surrounding environment more elaborately.
6. Students will be able to retrospect the different direct and indirect activities of human affecting the environment
7. Students will be able to understand how environment shapes our lifestyle.
8. Environmental awareness will be created.

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
10.	Factors affecting Industrial location	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
11.	Classification of Industry				
12.	Weber's Theory of Industrial location				
13.	Special Economic Zones and Technology parks				



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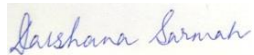
Paper Name: **Geog of India with Special reference to N.E India**

Paper Code: **GGY-HC-3026**

Learning Objectives:

4. Students will get an in-depth knowledge of the branch of geography.
5. Students will able to understand regional geography in detail .

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
6.	Distribution pattern of iron and steel industry	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
7.	Distribution pattern of cotton textile industry				
8.	Distribution pattern of fertilizers				
9.	Role of transport system				
10.					



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## Teaching Plan 4<sup>th</sup> Semester for the Session

Name of the Teacher: Dr Darshana Sarmah

Department: Geography

Semester: IV Semester

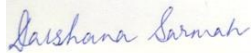
Paper Name: **Environmental Geography and Disaster Management**

Paper Code: **GGY-HC-4016**

Learning Objectives:

1. Environmental awareness and knowledge will be enhanced.
2. Understanding different disasters, and the associated risk and vulnerability issues will be studied.
3. Students will be able to differentiate between nature-induced hazards and man-made hazards

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
14.	Meaning of Hazard and Disaster	Reference books, E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
15.	Risk and Vulnerability				
16.	Types of Hazard and Disaster ( Natural and Man-made)				



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Paper Name: **Remote Sensing, GIS and GPS**

Paper Code: **GGY-HC-4036**

Learning Objectives:

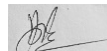
1. The students will be introduced to a new applied aspect as well as field of geographical knowledge.
2. The basic understanding of Remote sensing, the principle how it works, the process will be studied in details.
3. The techniques and technical aspects of remote sensing will be elaborately covered.

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
1.	Definition of Remote Sensing and History of Development	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
2.	Principles of remote sensing System, Energy sources, EMR and its interaction with Atmosphere and Earth Features				
3.	Platform ,sensors and Resolutions				
4.	Aerial and Satellite remote sensing				
5.	Fundamentals of Photogrammetry				
6.	Elements of image interpretation				
7.	Digital image processing, image enhancement and classification				
8.	Application of				

	Remote Sensing: Land, vegetation and Water				
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*Laishana Sarmah*

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Paper Name: **Advanced statistical techniques for spatial analysis**

Paper Code: **GGY-HC-4044**

Learning Objectives:

1. The students will have the knowledge of different geographical data and how they are collected.
2. The paper will deal with different statistical measures used to analyze the geographical data to reach to an outcome.

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
1.	Role of statistics in geographical studies	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
2.	Nature of geographical data				
3.	Selection of statistical techniques for spatial analysis				
4.	Correlation and regression				



	Analysis, Rank Correlation and Product Moment Correlation; Linear regression and regression residuals, Concept of Multiple correlation and regression				
5.	Concept and Application of Location Quotient; Nearest Neighbour Analysis, Ranking method for composite score				

*Salshana Sarmah*

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## Teaching Plan 5<sup>th</sup> semester for the Session

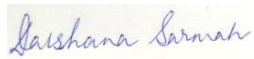
Paper Name: **Social and Political Geography**

Paper Code: **GGY-HC-5016**

Learning Objectives:

1. Students are exposed to more details of the social building blocks.
2. Students will able to learn more about societal structure and cultural environment.
3. The contribution of different factors and their importance will be learned elaborately.

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
17.	Contribution of Race in promoting diversity in India	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
18.	Contribution of Religion				
19.	Contribution of language				
20.	Contribution of ethnicity				



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Paper Name: **Field Techniques in Geography**

Paper Code: **GGY-HC-5026**

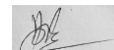
Learning Objectives:

1. Considering the importance of field study in Geography, students will be able to understand various aspects of field study.
2. The types of data, different methods of collecting data will be studied in details.
3. The ways and form of questionnaires and the related survey will be explored both practically and theoretically.

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
1.	Nature of Data	Reference books, E-learning videos	Lecture, Learning through slide presentation		
2.	Data Collection Techniques of various geographical phenomenon (Physical and Human)	Reference books, E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
3.	Structure of field survey questionnaire, Questionnaire Survey				
4.	Observation and Photography				
5.	Focus Group Interview				
6.	Participant Observation/PRA				

*Latshana Sarmah*

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Paper Name: **Regional Development and Planning**

Paper Code: **GGY-HE-5046**

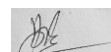
Learning Objectives:

1. The importance of region planning will be studied in details.
2. The different layers of planning from micro to meso will be covered elaborately.
3. Understanding of Ground level planning, from grass-root level ,in reference to both India and North-east India,will help the students to know the country in administrative aspect.

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
1.	Regional Planning In India: Macro, Meso And Micro Planning.	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
2	Local Level Planning				
3	Panchayati Raj				
4	Participatory Approach In Planning				
5	NITI Aayog				
6	Planning regions of India with special reference to north east India				

*Laishana Sarma*

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Paper Name: **Agricultural Geography**

Paper Code: **GGY-HE-5066**

Learning Objectives:

4. The students will be introduced to a new applied aspect/branch of Geography.
5. Students will learn about different aspects of agricultural aspects , different parameters and elements in details.
6. Students will be aware of geographical changes and its significance in different aspects of agriculture

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
1	Concept of Agricultural modernization	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
2	Inputs of Agricultural modernization				
3	Concept of crop productivity and agricultural development				

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## Teaching Plan 6<sup>th</sup> semester for the Session

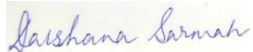
Paper Name: **Geographic thought**

Paper Code: **GGY-HC-6016**

Learning Objectives:

1. The geographical thoughts and schools will give the students the knowledge of how the discipline developed and progressed.
2. The different paradigm shifts and the changing meaning of geographical aspects will be studied in details.

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
6.	Behaivouralism	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
7.	Humanistic Geography				
8.	Post modernism				



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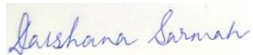
Paper Name: **Research Method in Geography and Project Work**

Paper Code: **GGY-HC-6026**

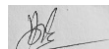
Learning Objectives:

7. The students will be introduced to research related different techniques.
8. Students will learn the ways of research methods, research designs and quality of research.
9. Students will be aware of changing method of research and its application.

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
1.	Qualitative data analysis	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
2.	Quantitative data analysis				
3.	Data Representation				
4.	Structure of a research Report; Preliminaries, Text, Tables, Figures and appendices; Citations; References and Bibliography; Research/project report writing; executive summary.				



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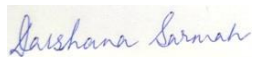
Paper Name: **Geography of Tourism**

**Learning objectives:**

1. Students will be able to learn how the economy of an area is dependent on the geographical background of the area.
2. Different aspects of tourism, the prospects and problems will be studied.
3. Students will able learn about the different theoretical background behind the running of an economies, the policies and their implementation.

Paper Code: **GGY-HC-6056**

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
1.	Tourism in North East India with special reference to Assam	Reference books, E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
2.	National Tourism policies and prospects				



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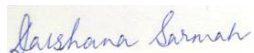
Paper Name: **Geography of Health**

**Learning Outcomes:**

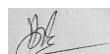
1. The students are given the opportunity to learn entirely a different sub-discipline with many applied aspects.
2. The students will learn how a geographic allocation affects human health, food habits, lifestyle and vice –versa.

Paper Code: **GGY-HC-6036**

Sl. No of Lecture	Topic/Sub-topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and Participating Learning Used	Mode of Assessment for CIE
1.	Basic concept and ideas relating to food habita and health	Reference books,E-learning Videos	Classroom lecture, Slide presentation	yes	Assignment, unit test, group discussion, seminar presentation
2.	Occupation and Health,Environmental degradation and health,lifestyle and human health				



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## Nalbari College

### Teaching plan for the Session: 2022-2023

Name of the teacher: Riki Deuri Bharali

Department: geography

semester: I

Paper name: Geomorphology

Paper code: GGY-HC-1016

**Learning objective:** Students will be able to know and understand about different geomorphic processes that involve in earth's creation.

Sl no. of Lecture	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Geomorphology: Nature, Scope and Significance	Textbooks, e journals, other reference books	Lecture+ blackboard+ power point presentation	yes	Examination, assignment,
2	Endogenetic forces: folding, faulting	Textbooks, e journals, E PG Pathshala, YOUTUBE videos, other reference books	Lecture+ blackboard+ power point presentation	yes	Examination, assignment,
3	Exogenetic forces: masswasting	Textbooks, e journals, other reference books	Lecture+ blackboard+ power point presentation	yes	Examination, assignment,

Riki Deuri Bharali

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**Paper name: Cartographic Techniques**

**paper code: GGY-HC-1026**

**Learning objective:** After the class students will be able to understand maps, different types of maps.

Sl no. of Lecture	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Maps: Map types	Text books, different types of maps for example, E-Journals, research publications etc	Lecture method+ blackboard + laptop & projectors for showing PPT slides	Yes	Assignments, drawing of maps, understanding point, line, areas in maps
2	Map scale & content			Yes	
3	Representation of point, line & area in maps			Yes	
4	Practical: Preparation of thematic maps (Choropleth, Isopleth)	Socio-economic data	Lecture + demonstration method (classroom practice)	yes	Assigned to do practical work by using different socio economic data

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## semester: II

Paper name: Human Geography

paper code: GGY-HC-2016

**Learning objective:** Students will be able to understand meaning of settlement, its evolution , different theories and will be able to differentiate types of settlement.

Sl no.	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Human settlement: Rural & urban settlement- Origin, growth & morphological characteristics	Reference books, E - journals, Text books	Lecture+ blackboard+ power point presentation	yes	Assignment, sessional examination
2	Types/ patterns of rural settlement	Reference books, E - journals, Text books	Lecture+ blackboard+ power point presentation	yes	Assignment, sessional examination
3	Burgess & Hoyt theories of Internal structure of town,	Reference books, E - journals, Text books	Lecture+ blackboard+ power point presentation	yes	Assignment, sessional examination
4	Pattern of urbanization: Global & Indian scenario	Reference books, E - journals, Text books	Lecture+ blackboard+ power point presentation	yes	Assignment, sessional examination
5	(Practical) Drawing of major rural settlement types/patterns; Morphological diagram of a village and a town	Reference books, E - journals, Text books			
6	(Practical) Drawing of internal model structure of towns according to Burgess and Hoyt				

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**semester: II**

**Paper name: Climatology and Biogeography**

**paper code: GGY-HC-2026**

**Learning objective:** students will be able to know about cyclones, anticyclones, their occurrences as well as will be able to locate biodiversity hotspots of the world.

Sl no.	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Cyclones and anticyclones	Reference books, E PG Pathshala, E journals	Lecture+ blackboard+ power point presentation	Yes	Examination, assignments
2	Tropical cyclones, extra tropical cyclones	Reference books, E PG Pathshala, E journals	Lecture+ blackboard+ power point presentation	Yes	Examination, assignments
3	Biomes & biodiversity hotspots of the world	Reference books, E PG Pathshala, E journals	Lecture+ blackboard+ world map showing biodiversity hotspots	yes	Examination, assignments
4	(Practical) calculation of average annual rainfall and variability of annual rainfall and preparation of rainfall distribution and variability maps	Reference books, E PG Pathshala, E journals	Lecture method+ blackboard	Yes	Evaluation through practical work

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**semester: III**

**Paper name: Economic Geography**

**paper code: GGY-HC-3016**

Sl no.	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Modes of transport	Reference books, different journals	Lecture method+ blackboard	Yes	Assignments, examination
2	Factors influencing transport development	Reference books, different journals	Lecture method+ blackboard	Yes	Assignments, examination
3	Role of transport in resource mobilization & economic development	Reference books, different journals	Lecture method+ blackboard	Yes	Assignments, examination
4	(practical) Regional variation in fertilizer consumption & agricultural productivity in rice, wheat and barley in selected countries of the world using bar graph	Statistical data	Demonstration method	yes	Practical work has assigned.

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**semester: III**

**Paper name: Geography of India with special ref. to NEI**

**paper code: GGY-HC-3016**

Sl no.	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Regional distribution and production patterns of rice	Reference books, text books	Lecture method	Yes	Assignment of locating places of production of rice, wheat & millets on India's map
2	Regional distribution and production patterns of wheat	Reference books, text books	Lecture method	Yes	
3	Regional distribution and production patterns of millet	Reference books, text books	Lecture method	Yes	
4	Agricultural practices including shifting cultivation	Reference books, text books	Lecture method	Yes	After class discussion with students
5	(practical) Map showing distribution of major tribal groups in NE India	Reference books, text books		Yes	Practical work assigned

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**semester: III**

**Paper name: quantitative methods in Geography**

**paper code: GGY-HC-3036**

**learning objective:** students will be able to understand different sampling techniques and will be able to apply those techniques in research works.

Sl no.	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	sampling techniques: meaning of sampling and its need	Reference books, E PG Pathshala	Lecture method+ blackboard	Yes	Examples of different sampling techniques.
2	Types of sampling (simple random & stratified sampling)	Reference books, E PG Pathshala	Lecture method+ blackboard	Yes	Examples of different sampling techniques
3	Computation of values of standard deviation and coefficient of variation of ungrouped & grouped data relating to some geographical phenomena	Statistical books, data from statistical handbooks	Lecture method+ demonstration+ blackboard	Yes	Assigned practical works

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**semester: IV**

**Paper name: Environmental Geography & Disaster management**

**paper code: GGY-HC-4016**

**learning objective:** Students will be able to develop their knowledge on different hazard and disasters.

Sl no.	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Human environmental relationships- Historical progression	Reference books	Lecture method + PPT	Yes	examination
2	Adaptation in different biomes	Reference books + world map	Lecture method + PPT	Yes	
3	Wildfire	Reference books, E sources	Lecture method + PPT	Yes	

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**semester: IV**

**Paper name: Population & Settlement Geography**

**paper code: GGY-HC-4026**

**learning objective:**

Sl no.	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Demographic Transition Theory	Reference books, E-PG Pathshala, E sources	Lecture+ PPT	Yes	Assignment

2	Population ageing	Reference books, E-PG Pathshala, E sources	Lecture+ PPT	Yes	Assignment
3	Declining sex ratio	Reference books, E-PG Pathshala, E sources	Lecture+ PPT	Yes	Assignment
4	Pandemics	Reference books, E-PG Pathshala, E sources	Lecture+ PPT	Yes	Assignment
5	Concept of settlement hierarchy	Reference book	Lecture method	Yes	Sessional examination
6	Primate city and urban fringe	Reference book, self prepared notes	Lecture method+ PPT	Yes	Sessional examination
7	Christaller's central place theory	Reference book, self prepared notes	Lecture method		Sessional examination
8	(practical) Calculation of distribution pattern of settlements in an area using nearest neighbour analysis	toposheets	blackboard	Yes	Practical work

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**semester: IV**

**Paper name: Advanced statistical techniques for spatial analysis**

**paper code: GGY-SE-4044**

**learning objective:**

Sl no.	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Meaning and importance of sampling in geographical studies	Reference books, self prepared study materials, E	Lecture method+ blackboard	Yes	

		PG Pathshala			
2	<b>Types of sampling (probability &amp; non probability) and their merits and demerits; concept of large and small samples</b>	Reference books, self prepared study materials, E PG Pathshala	Lecture method+ blackboard	<b>Yes</b>	

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**semester: V**

**Paper name: Social & Political Geography**

**paper code: GGY-HC-5016**

**learning objective: student will be able to understand about social wellbeing and HDI.**

Sl no.	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Social wellbeing: concept & component	Reference books, self prepared study materials, E PG Pathshala	Lecture method+ blackboard	Yes	
2	Concept of Human Development & its measurement	Reference books, self prepared study materials, E PG Pathshala	Lecture method+ blackboard	Yes	
3	(practical) construction of ternary diagram	Statistical handbooks for data,	Demonstration method	yes	Practical works has assigned.

Riki Deoni Bhauli

**Signature**

**Signature of HoD**

**semester: V**

**Paper name: Field techniques in Geography**

**paper code: GGY-HC-5026**

**learning objective:**

Sl no.	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Concept of case study and its identification in varying geographical contexts	Reference books, self prepared study materials, E PG Pathshala	Lecture method+ blackboard	Yes	

Rishi Deveni Bhanuli

**Signature**



**Signature of HoD**

**semester: V**

**Paper name: Regional Development and Planning**

**paper code: GGY-HE-5046**

Sl no.	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Regional development theories & models: concept of basic ideas of growth pole model of Perroux	Reference books, self prepared study materials, E PG Pathshala	Lecture method+ blackboard	Yes	
2	Cumulative causation theory of Myrdal			Yes	
3	Stages of economic growth model of Rostow			Yes	
4	(practical) Delineation of influence zones of selected urban centres of	Reference books,	Lecture method + demonstrati	yes	

Assam/ NE India by using Reilly's breaking point analysis	statistical data	on+ blackboard		
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Rini Deoni Bhauli

**Signature**



**Signature of HoD**

**semester: V**

**Paper name: Regional Development and Planning**

**paper code: GGY-HE-5046**

S l o .	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Von Thunen's model of agricultural location	Reference books, self prepared study materials, E PG Pathshala	Lecture method+ blackboard	Yes	Examination & assignment
2	Concept of land rent and Market forces			Yes	
3	Concept of cropping patterns: crop combination, crop concentration, crop intensity, crop rotation			Yes	
4	(practical) agricultural productivity pattern in Brahmaputra valley/Assam/NEIndia by using Kendall's ranking method	Reference books, statistical data	Lecture method + demonstrati on+ blackboard	yes	Assigned practical works
5	(Practical) Mapping of spatial pattern of cropping intensity in Assam/ NE India	Reference books, statistical data	Lecture method + demonstrati on+ blackboard	Yes	

Rini Deoni Bhauli

**Signature**



**Signature of HoD**

**semester: VI**

**Paper name: Geographic Thought**

**paper code: GGY-HC-6016**

S l n o	Topic/sub topic	Learning Resources	Mode of Teaching and ICT tools	Experimenting and participating learning used	Mode of Assessment for CIE
1	Quantitative revolution and its impact	Reference books, self prepared study materials, E PG Pathshala	Lecture method+ blackboard	Yes	Examination & assignment
2	Logical positivism			Yes	
3	Models in Geography: meaning, types and significance			Yes	
4	Basic concepts of Gravity model, spatial diffusion model, distance decay model				
4	(practical) mapping of population potential surfaces in Assam using gravity model	Reference books, statistical data	Lecture method + demonstrati on+ blackboard	yes	Assigned practical works

Riki Debn̄i Bhauli

**Signature**

**Signature of HoD**

**semester: VI**

**Paper name: Research method in Geography and project work**

**paper code: GGY-HC-6026**

S l n	Topic/sub topic	Learning Resources	Mode of Teaching	Experimenting and	Mode of Assessment for CIE
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o .			and ICT tools	participating learning used	
1	Meaning and significance of research, types of research	Reference books, self prepared study materials, E PG Pathshala	Lecture method+ blackboard	Yes	Examination & assignment
2	Basics of research methodology			Yes	
3	Literature review and its need			Yes	
4	Geographic research: meaning and characteristics				
4	Formulation if research problem	Reference books, statistical data	Lecture method + demonstrati on+ blackboard	yes	

Riki Deoni Bhauli

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**semester: VI**

**Paper name: Geography of Tourism**

**paper code: GGY-HE-6056**

<b>S l n o .</b>	<b>Topic/sub topic</b>	<b>Learning Resources</b>	<b>Mode of Teaching and ICT tools</b>	<b>Experimenting and participating learning used</b>	<b>Mode of Assessment for CIE</b>
1	Tourism development in India: tourism infrastructure	Reference books, self prepared study materials, E PG Pathshala	Lecture method+ blackboard	Yes	Examination & assignment
2	Case studies of tourism development in – Himalaya, Desert, Coastal areas			yes	
3	Line graph showing pattern of tourist arrival	Statistical handbooks	Lecture method + demonstration+ blackboard	yes	Practical works has assigned

Riki Deoni Bhauli

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**Signature of HoD**

**semester: VI**

**Paper name: Geography of Health**

**paper code: GGY-HE-6056**

<b>Sl n o.</b>	<b>Topic/sub topic</b>	<b>Learning Resources</b>	<b>Mode of Teaching and ICT tools</b>	<b>Experimenting and participating learning used</b>	<b>Mode of Assessment for CIE</b>
1	Disease ecology: ecology and human health;	Reference books, self prepared study materials, E PG Pathshala		Yes	Examination, assignment



2	Geographical factors affecting human health; Factors influencing disease transmission (Pathological, physical, environmental, social, cultural and economic);	Reference books, self prepared study materials, E PG Pathshala	Lecture method+ PPT+ blackboard	”	Seminar
3	Diffusion of diseases and their causes in varied biotic. Physical and cultural environments	Reference books, self-prepared study materials, E PG Pathshala		”	Examination, assignment
4	(Practical)Nearest neighbour analysis	Practical data has assigned	Lecture method + demonstration+ blackboard	yes	Practical work has assigned

Rini Deoni Bhauli

**Signature**

**Signature of HoD**



## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Geomorphology**

**Semester:1**

**Paper Code: GGY HC 1016**

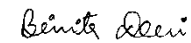
#### **Learning Objectives:**

- 1) To provide a general idea about the topographic and surficial characteristics of the earth's surface to the students.
- 2) To make the students aware of the dynamic geomorphic processes responsible for the development of landforms of varied types and nature.
- 3) To apply scientific knowledge on landform development based on geomorphic concepts, principles and theories.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	Forces of landform development: ii) Endogenetic forces- earthquakes and volcanoes	Reference Book, YouTube, Google, text	Lecture & Laptop, Data projector	Yes	Assignment, unit test and presentation
2.	Forces of landform development: ii) Weathering , erosion	book			
3.	Landform Development under Glacial conditions				
4.	Practical- Study of Topographical Maps: topographical map content and numbering system, the general interpretation of topo sheets in respect of physical characteristics				



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**Signature of the faculty**



## Nalbari College, Nalbari

### Teaching Plan for the Session:2022-2023

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Semester: 1**

**Paper Name: Cartographic Techniques**

**Paper Code: GGY-HC-1026**

**Learning Objectives:**

- 1.Understanding the importance of various statistical techniques in geographical study.
- 2)An acquaintance of different techniques for representation of various facets of physical and human geographic data of any area.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	Practical – Preparation of thematic maps for representing various physical geographic data-pie diagram	Reference book, Toposheet,Google	Lecture and data projector	yes	Assignment, unit test and presentation

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## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Human Geography**

**Learning Objectives:**

**Semester:II**

**Paper Code: GGY-HC-2016**

1. This paper is a core paper that intends to introduce students to human geography and how humankind transforms and gets transformed by geographic space.
- 2)It seeks to develop new insights among students on the relevance of human environmentalrelationshipsandhowaspatialperspectiveshapestheserelationships.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	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 linguistics composition of population; Tribal people of India and their socio- economic characteristics.	Reference Book, you tube, Google	Lecture & Laptop, Data Projector	yes	Assignment, unit test and presentation
2.	Practical- Mapping of distribution of major racial and linguistic groups of population in the world				



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*Beemta Devi*

**Signature of the faculty**



## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Climatology and Biogeography**

**Semester: II**

**Paper Code: GGY-HC-2026**

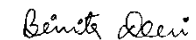
#### **Learning Objectives:**

- 1)This paper is a core paper that intends to introduce students to the rationale underlying climatological studies in geography
- 2)It seeks to develop new insights among students on the relevance of climatic variable stagnating on climate change.
- 3)This paper intends to develop an understanding in the physical and human factors responsible for the distribution, conservation, and restriction of living organisms on the earth surface.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	Climatology-Climatic Classification of Koppen and Trewartha; Monsoon-Origin And Mechanism.	Reference Book, Google, You Tube	Lecture & Laptop, data Projector	yes	Assignment, unit test and presentation
2.	Climatology- Meaning, Scope and Significance of biogeography				
3.	Biogeography- Meaning, scope and significance of biogeography				
4.	Global distribution of major animals				
5.	Practical- Mapping of Biodiversity hotspots of the world				
6.	Mapping of soil types of Assam/ N.E. India and soil Horizons				



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## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Economic Geography**

**Semester:III**

**Paper Code: GGY-HC-3016**

#### **Learning Objectives:**

- 1)This is a core paper that intends to introduce students to the principles of economic geography and associated patterns and processes of major economic activities in the world.
- 2) It seeks to develop new insights among students on the relevance of economy geography and associated problems in contemporary times.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	Meaning, scope and approaches of Economic Geography	Reference Book, You tube, Google	Lecture method &	yes	Assignment, unit test and presentation
2.	Agriculture: Factors influencing cultivation of Wheat		Laptop, data projector		
3.	Agriculture: Factors influencing cultivation of Rice				
4.	Agriculture: Factors influencing cultivation of Coffee and Tea				

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## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Geography of India with special reference to N.E. India**

**Semester:**

**Paper Code: GGY-HC-3026**

#### **Learning Objectives:**

- 1) This is a core paper which intends to introduce students to India as a geographical entity.
- 2) It seeks to develop new insights among students on significant geographical dimensions of the country along with its north-eastern part.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	Physical setting: Vegetation and its distribution	Reference book, Google, You tube	Lecture method &	yes	Assignment, unit test and Presentation
2.	Physical setting: soil types and its distribution		Laptop , data projector		
3.	North –East India:Population growth, distribution and ethnic composition				
4.	Practical- Social composition of Population (SC,ST and General) in N.E. India using Pie-graph				

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## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Quantitative Methods in Geography**

**Semester:III**

**Paper Code: GGY-HC-3036**

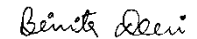
#### **Learning Objectives:**

- 1) The paper Quantitative Methods in Geography throws light on the importance of data in geography.
- 2) It deals with the methods and techniques of data collection, data tabulation, data interpretation and analysis through the application of some basic statistical measures.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	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.	Reference Book, you Tube, Google	Lecture method & Laptop, data projector	yes	Assignment, unit test and presentation
2.	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 center of settlements(using centographic measures)				



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## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Environmental Geography and Disaster Management**

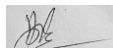
**Semester: IV**

**Paper Code: GGY-HC-4016**

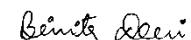
#### **Learning Objectives:**

- 1)This is a core paper which intends to introduce students to geography and environment interface.
- 2)It seeks to develop new insights among students on the relevance of environmental studies from a spatial perspective

<b>Sl. No of Lecture</b>	<b>Topic/ Subtopic</b>	<b>Learning Resources</b>	<b>Mode of Teaching &amp; ICT Tools</b>	<b>Experiential / Participating Learning Used</b>	<b>Mode of Assessment for CIE</b>
1.	Environmental Geography: Nature, Scope and Significance	Reference book, You tube, Google	Lecture method&	Yes	Assignment, unit test and presentation
2.	Major Hazards and Disasters , and their Management- Chemical and Nuclear Explosions		Laptop, data projector		



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## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Population and Settlement Geography**

**Semester:IV**

**Paper Code: GGY-HC-4026**

#### **Learning Objectives:**

1. This paper is a core paper that intends to introduce students to the basic concepts of population and settlement geography and how the differential characteristics of population and settlement influence the overall development process of an area.
- 2)It seeks to develop understanding among students about the significance of population geography and settlement geography and their inter-relationship.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	Sources, characteristics and problems of population data; perspectives on Census of India Publications-Primary Census abstract, District Census HandBook, Sample Registration system etc.	Reference book, you Tube, Google	Lecture method & Laptop, data projector	Yes	Assignment, unit test and presentation
2.	Distribution and density of population: Factors influencing population distribution and density; global pattern of population distribution; population density regions in the world				
3.	Population composition and associated characteristic patterns in global contexts: Age-sex Composition Rural-Urban composition				
3.	Practical- Choropleth map to show spatial pattern of decadal variation in population growth in Assam/ N.E. India/ India				
4.	Practical- Choropleth map showing spatial pattern of level of urbanization in Assam/N.E. India				



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## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Social and Political Geography**

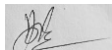
**Semester:V**

**Paper Code: GGY-HC-5016**

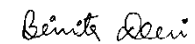
#### **Learning Objectives:**

- 1) To appreciate the social and political dimensions of geographic phenomena.
- 2) Understand how geography influences political issues and their spatial dimensions

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	Social Geographies of inclusion and exclusion: caste system, slums , gated communities, Communal Conflicts and crime; Gender identity	Reference book, google, you Tube	Lecture method & Laptop, data projector	yes	Assignment, unit test and presentation
2.	Sex disparity in literacy in India/ North-East India using Sopher's Disparity Index				



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## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Field Techniques in Geography**

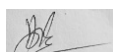
**Semester: V**

**Paper Code: GGY-HC-5026**

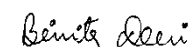
#### **Learning Objectives:**

1. This paper on Field Techniques in Geography is of pedagogical importance as it helps the students of geography to acquire the firsthand experience about the geography of a particular area.
2. It also helps the students to learn the various techniques of data collection from the field and to understand any pre-defined problem in proper perspective

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	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.	Reference book, You Tube, Google	Lecture method & Laptop, data projector	Yes	Assignment, unit test and presentation
2.	Field book- 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.				
3.	Preparation of two field survey questionnaire/ schedule (within 2 pages each) for collection of data relating to two different broad phenomena/ problems(one on physical phenomena and another on human phenomenon), and processing, tabulation and graphical representation of the same.				



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## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department:Geography**

**Paper Name:Regional Development And Planning**

**Semester: V**

**Paper Code: GGY-HE-5046**

#### **Learning Objectives:**

- 1) This paper intends to introduce students to the rationale underlying the relevance of balanced regional development and spatial inequalities from geographical perspective.
- 2) It seeks to develop new insights among students on the issue of development and associated regional disparities in development.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	Region: Concept, types and delineation techniques of a region.	Reference book, You Tube , Google	Lecture Method& Laptop, data projector	yes	Assignment, Unit test and presentation
2.	Regional planning: Evolution and types; Objectives and Principles of Regional Planning				
3.	Concept of Development: Growth versus development; Concept of sustainable development and balanced development				
4.	Practical- Preparation of flow cartogram to show volume of interstate movement of different commodities in India/ NE India				



**Signature of HoD**

*Beinta Devi*

**Signature of the faculty**





## Nalbari College, Nalbari

### Teaching Plan for the Session:2022-2023

**Name of the Teacher:** Binita Devi

**Department:** Geography

**Semester:** V

**Paper Name:** Agricultural Geography

**Paper Code:** GGY-HE-5066

#### Learning Objectives:

1. As a discipline-specific elective paper it intends to introduce the students to the basic Concepts of agriculture and agricultural geography.
2. It seeks to develop understanding among students about the significance of Agricultural Geography.
3. To understand how different types of agriculture have developed in different areas and how they are similar to or different from one another.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
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1.	Agricultural Geography: Meaning and Scope , Significance ; Its approaches of study	Reference book, Google, You Tube	Lecture method& Laptop, data Projector	yes	Assignment, unit test and presentation
2	Agricultural systems and types: Global Agricultural systems; agricultural types: Intensive and Extensive, Subsistence and Commercial, plantation Farming, mixed Farming , Horticulture and Market Gardening				
3.	Factors, distribution and Production patterns of wheat				
4.	Practical- Spatial variation in land use pattern in Brahmaputra valley/ North East India with pie diagram.				

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## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Geographical Thought**

**Semester: VI**

**Paper Code: GGY-HE-6016**

#### **Learning Objectives:**

1. This course introduces the students to the theoretical development of geography over time.
2. This course presents contemporary and post-modern perspectives, along with the models that act as a guiding force of the discipline to understand various geographical phenomena in proper perspectives.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1	Recent Trends in geography: Locational school of thought	Reference book, Google, You Tube	Lecture method & Laptop, data projector	Yes	Assignment, unit test and Presentation
2	Geographical debates: Regional and Systematic; Ideographic and Nomothetic.				
3.	Practical- Population Density gradient analysis of Guwahati or any other city.				

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## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Research Methods in Geography and Project work**

**Semester: VI**

**Paper Code: GGY- HC-6026**

#### **Learning Objectives:**

1. To understand how to approach a research problem and to formulate research objective and research questions in proper perspective.
2. In addition, knowledge of formulation of hypothesis and testing, framing of questionnaires, techniques of collection of both qualitative and quantitative data and their analysis.
3. To develop understanding of the basics and utility of review of literature and preparation of research report.

<b>Sl. No of Lecture</b>	<b>Topic/ Subtopic</b>	<b>Learning Resources</b>	<b>Mode of Teaching &amp; ICT Tools</b>	<b>Experiential / Participating Learning Used</b>	<b>Mode of Assessment for CIE</b>
1.	Research Design: Statement of the problem, Review of research Works, Objectives, Research questions, Hypotheses, Database and methodology, significance , organization of the work and Referencing	Reference book, Google , You Tube	Lecture method & Laptop, data projector	yes	Assignment, class test and presentation
2	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 computerized)				

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## **Nalbari College, Nalbari**

### **Teaching Plan for the Session:2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Geography of Tourism**

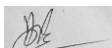
**Semester: VI**

**Paper Code: GGY- HE-  
6056**

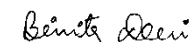
#### **Learning Objectives:**

1. This paper introduces the students to the field of tourism from the lens of geography and its specificities.
2. It seeks to develop new insights among students on how tourism and allied activities are shaped by geography of an area and also how such activities are responsible in shaping economic, social and environmental context from globe to local levels.

<b>Sl. No of Lecture</b>	<b>Topic/ Subtopic</b>	<b>Learning Resources</b>	<b>Mode of Teaching &amp; ICT Tools</b>	<b>Experiential / Participating Learning Used</b>	<b>Mode of Assessment for CIE</b>
1.	Recent Trends in tourism: Meetings	Reference book, Google, You tube	Lecture Method & Laptop, Data Projector	Yes	Assignment, unit test and presentation
2.	Recent trends in tourism: Incentives				
3.	Conventions and Exhibitions				
4.	Practical- Preparation of a tourist map of North- East India showing locations of important national parks and wildlife sanctuaries from tourism potential perspectives (indicating the major highlights of the respective destinations including distance from Guwahati city within box.				



**Signature of HoD**



**Signature of the faculty**





## **Nalbari College, Nalbari**

### **Teaching Plan for the Session: 2022-2023**

**Name of the Teacher: Binita Devi**

**Department: Geography**

**Paper Name: Geography of Resource and Development**

**Semester: VI**

**Paper Code: GGY- HE-6066**

#### **Learning Objectives:**

1. This paper intends to introduce the students about basic concepts of resource and resource management, and its relevance to sustainable development.
2. To get acquainted with different concepts of development with special focus on economic development.

Sl. No of Lecture	Topic/ Subtopic	Learning Resources	Mode of Teaching & ICT Tools	Experiential / Participating Learning Used	Mode of Assessment for CIE
1.	Natural Resources for Development: Distribution,utilization and management of Land(soil) resource	Reference book, You Tube, Google	Lecture method & Laptop, data projector	Yes	Assignment, class test and presentation
2	Water resource				
3.	Forest resource				
4.	Minerals and Energy resources- in the world and their contribution to development				



**Signature of HoD**

*Binita Devi*

**Signature of the faculty**



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