

## Program and Course Outcome



**Department of Geography  
Morigaon College  
Morigaon -782105, Assam**

**Program objectives and Course outcomes  
(MA/M.Sc in Geography)  
Department of Geography, Morigaon College**

**Semester: I**

**Course Name: Nature of Geography  
Course No. GGY 1016**

**Program objectives :**

The paper Nature of Geography aims at explaining the nature of the subject. It throws light on the importance of geography and attempts to enrich knowledge. The paper illustrates the basic concepts as well as technical terms which are building blocks of geographic knowledge along with understanding of sophisticated models and techniques with space-time dimension. Through this paper an understanding of the pure and applied nature of Geography along with the key elements in the discipline is possible. The paper also focuses on the relationship of Geography with natural and social sciences.

**Course outcome:**

- ☐ Through understanding of the basics of the subject;
- ☐ Understanding of sophisticated models and techniques;
- ☐ Interdisciplinary field – a field that crosses traditional boundaries between academic Disciplines or schools of thought.

**Course Name: Geomorphology  
Course No. GGY 1026**

**Program objectives :**

The paper Principles and Concepts in Geomorphology highlights on the history of development of geographic ideas along with the recent trends in geomorphology. The paper focuses on the theoretical and conceptual bases, the techniques used in applied geomorphology along with quantitative methods and processes. The development of slopes, morphogenetic regions and geomorphic process study are also discussed in this paper.

**Course outcome:**

- ☒ Understanding of Principles and Concepts in Geomorphology;
- ☒ Application of geomorphic concepts and techniques in the field;
- ☒ Knowledge enrichment of glacial, fluvial and Aeolian processes.

**Course Name: Climatology and Biogeography**  
**Course No. : GGY1036**

**Program objectives :**

The paper Climatology and Biogeography has been divided into two parts. While the first part discusses about the climatology, its field and importance, elements of weather, factors influencing the climate, isolation, global wind system, air masses and fronts along with climatic disturbances, monsoons and classification of world climate among others, the second part concentrates on biogeography in geographic studies. The areas of concern of this part of the paper include the important concepts of biogeography, such as bio-energy cycle, food chain, plant-animal association in varying habitats and ecosystem besides the national forest and environmental policies.

**Course outcome:**

- ☒ Knowledge about different phenomena of weather and climate specially vagaries of Indian monsoon and techniques of weather forecasting;
- ☒ Deeper understanding of plant-animal association in varying habitats and environments;
- ☒ Practical utility in the field while carrying out research on issues of climate and biogeography.

**Course Name: Economic Geography**  
**Course No. : GGY1046**

**Course objectives:**

The paper Economic Geography aims at explaining the significance and theoretical development of this sub branch of geography along with the approaches, concepts and models. Understanding of technology and economic development, economic geography and primary activity, power resources, international trade in selected commodities are key areas of concern in this paper. Besides, the paper also highlights on pattern and problems of manufacturing of selected commodities in USA, UK and Japan.

**Course outcome:**

- ☐ Understanding of location, distribution and spatial organization of economic activities across the world;
- ☐ Knowledge of geographical and other factors which influence man's productivity;
- ☐ Knowledge of different farming techniques and modernization of agriculture;
- ☐ Practical utility in the field while carrying out research on agriculture and economic geography.

**Course Name: Practical on Geomorphology, Climatology and Economic Geography**  
**Course No. : GGY 1054**

**Course objectives**

The paper highlights on Practical utility in the field while carrying out research on issues of climate and bio-geography. This paper has been divided into three sections. The first part - Practical's on Geomorphology helps in developing a deeper understanding about the morph metric analysis, analysis of basin morphology and area-height relationship study. The second part is devoted towards Climatology, here, ways and techniques of climatic data analysis have been discussed. The third part of this paper addresses the practical exercises on mapping and analysis of diverse issues of Economic geography like trend analysis, spatial analysis of crop concentration, determination of level of economic development among many others.

**Course outcome:**

- ☐ Practical utility in the field while carrying out research on geomorphology, Climatology and economic geography.

## **Semester: II**

**Course Name: Geographic Thought**

**Course No.: GGY 2066**

### **Course objectives:**

- ☐ Introduce the discipline geography and its theoretical development over time.
- ☐ Present contemporary and post-modern perspectives, along with the models that act as a guiding force of the discipline.

### **Course outcome:**

This course helps students to ,

- ☐ Develop a comprehensive understanding of the discipline.
- ☐ Apply the historic and contemporary perspective to explain and approach the real world geographic problems.

**Course Name: Geography of Environment and Development**

**Course No. GGY 2076**

### **Course objectives:**

- . To address various issues associated with environment.
- . To related developmental agenda by maintaining pace with environment so that the sole of sustainable development can be achieved.

### **Course outcome:**

- . It provides the scope to develop a better understanding of environment from local to global perspectives.
- . Increasing awareness towards environment and to equip with the methodologies of need based sustainable developmental plan.

**Course Name: Population and Settlement Geography**  
**Course No. GGY 2086**

**Course objectives:**

Enable the students to understand the issues associated with population phenomena both in development and developing world.

Understand the field of settlement geography in respect of different settlement models, growth of settlement and rural urban dichotomy.

**Course outcome:**

. The course enables the students to understand population issue in spatial dimension to diagnose the problem issue arises out of population growth.

. Understanding the settlement, both in urban and rural context equip students to prepare need based sustainable settlement plans and policies.

**Course Name: Geography of Regional Development of India with Special  
Reference to North-East India**  
**Course No. GGY 2096**

**Course objectives:**

This course enables the students to development an understanding of India in spatial Context, along with its resource based, population, regional disparities of development and India's geographical significance.

To develop a better understanding of the North –eastern part of India in respect of its problem and prospects of development.

**Course outcome:**

Development of a better spatial perspective of a country like India with greater physical And social disparity. Such issues have both utilitarian and applied aspects in a broader Context.

**Course Name: Practical on Population and Settlement Geography and Regional Development of India and N.E. India**  
**Course No. GGY 2104**

**Course objectives:**

This course enables the students to add a spatial perspective to population and Settlement issues through maps and diagrams.

**Course outcome:**

Practical on these issues help the students to portray problems as well as resource based in spatial perspectives and encourage the students to accommodate the significance of dimension in planning and policy making.

***Semester: III***

**Course Name: Quantitative and Cartographic Methods in Geography**  
**Course No. GGY 3116**

**Course objectives:**

- Students will be given exposure to the use of quantitative and qualitative techniques in geographical analysis including sampling, inferential statistics and analysis of special data.
- The second part of this course will equip students with mapping and field surveying skills.

**Course outcome:**

At the end of the course students should be able to:

- ☑ Understand what methods to use for geographical data analysis.
- ☑ Understand the principles of surveying and mapping.

**Course Name: Fundamentals of Remote Sensing, GIS and GPS**  
**Course No. : GGY 3123**

**Course objectives:**

- This is part of the M.A./M.Sc. Geography and provides students with an introduction to remote sensing , GIS and GPS methodologies.
- Students will learn data acquisition and principles of interpretation of remotely sensed data.
- They will be instructed in how GIS/GPS facilitate the analysis of RS data.

**Course outcome:**

At the end of the course students should be able to:

- ☐ Understand the rationale behind use of remotely sensed data its advantages and Disadvantages.
- ☐ Understand how GIS/GPS methodologies can be used to address spatial analysis from the theoretical perspective.

**Course Name: Research Methodology in Geography**  
**Course No. : GGY 3133**

**Course objectives:**

This course will enable students to:

- ☐ Understand how to approach a research problem
- ☐ Understand how to collect data, review literature and analyze data

**Course outcome:**

This course will help students how to proceed with tackling a research problem and the steps one should adopt and the tools and craft a geographer usually employs.



**Course Name: Social, Cultural and Political Geography**  
**Course No. : GGY3146**

**Course objectives:**

This course will equip students to:

- ☑ Comprehend the social aspects of geographical phenomena and their interface within the realm of cultural geography.
- ☑ Understand how geography influences political issues and their spatial dimensions.

**Course outcome:**

- . To appreciate socio-cultural and political dimensions of geographic phenomena.
- ☑ To understand how language, religion, ethnicity tangent with lebensraum, frontiers and boundaries and influence the geography of a region.

**Course Name: Agricultural Geography**  
**Course No. : GGY3156 (1)**

**Course objectives:**

- ☑ To understand the main concepts of agricultural geography
- ☑ understand the issues specific to agriculture in USA, Japan and Israel

**Course outcome:**

After attending this course student should be able to understand

- ☑ Concepts such as crop combination, crop rotation, agricultural efficiency, classification scheme and models.
- ☑ Understand the inter-disciplinary nature of this branch of geography.

**Course Name: Cartography**  
**Course No. : GGY3156 (2)**

**Course objectives:**

- ☒ To understand the field of cartography and recent trends therein
- ☒ To understand the methods and principles of construction of important projections as well as the principles of ground surveying.

**Course outcome:**

- ☒ The students will be in a position to understand the pros and cons of various map projections
- ☒ The principles behind various surveying methods including the use of instruments such as theodolite, dumpy level and total station .

**Course Name: Fluvial Geomorphology**  
**Course No. : : GGY3156 (3)**

**Course objectives:**

To enable the student to understand:

- ☒ Methods and techniques of fluvial geomorphology including sedimentological techniques, remote sensing and GIS
- ☒ Methods of channel and floodplain morphology .

**Course outcome:**

After attending this course students would be able to:

- ☒ Understand concepts of fluvial geomorphology such as run-off estimation, hydrograph analysis channel equilibrium and channel dynamics.

**Course Name: Geography of Rural Development**

**Course No. : : GGY3156 (4)**

**Course objectives:**

To enable students to understand:

- ☒ Rural development and its characteristics in developing and developed countries
- ☒ Constraints to rural development

**Course outcome:**

After attending this course students would be able to:

- ☒ Understand rural-urban disparities
- ☒ Understand the diffusion of development and the spatial dimensions of rural settlements .

**Course Name: Geoinformatics**

**Course No. : : GGY3156 (5)**

**Course objectives:**

Students should be able to grasp:

- ☒ Remote Sensing methodologies including sensors, platforms and data products from USA, ESA and India
- ☒ Integration of RS with GIS & GPS data and new tools such as UAVs and microsattelites .

**Course outcome:**

After this course students should be able to:

- ☒ Derive a comprehensive understanding of the use of RS/GIS/GPS techniques and their integration .

**Course Name: Population Geography**

**Course No. : GGY3156 (6)**

**Course objectives:**

To allow students to understand:

- ☒ The nature and approaches to population geography and the underlying theories therein .
- ☒ The population -resource relationships in developed and developing contexts
- ☒ Factors affecting the distribution and growth of population in different parts of the world.

**Course outcome:**

Students should be able to:

- ☒ Develop an understanding of the theories and “laws” in population geography
- ☒ Interpret the problems and prospects of population growth, distribution, composition and rural-urban differences in diverse areal contexts .

**Course Name: Regional Development Planning**  
**Course No. : GGY3156 (7)**

**Course objectives:**

Students should be able to:

- ☒ Understand the concept of a region from a Geographic perspective and its ramifications in planning.
- ☒ Gain and understanding of the various theories and techniques of regionalization and multi-level planning.

**Course outcome:**

Students would be able to

- ☒ Derive and understanding of regional development, its approaches, regionalization techniques and the need for conservation and management of resources for development.

**Course Name: Social Geography**  
**Course No. : GGY3156 (8)**

**Course objectives:**

Students should be able to:

- ☒ Assess the field of social Geography and grasp its philosophical and methodological underpinnings.
- ☒ Understand the concepts of social structure, social stratification and social change and diversity from a geographic perspective.

**Course outcome:**

Students would be able to:

- ☒ Derive and understanding of social geography and social plurality and spatial dimensions of social and cultural issues.
- ☒ Understand spatial differences to caste, tribe, race and language and methodologies in understanding these.

**Course Name: Practical on Quantitative and Cartographic Methods**  
**Course No. : GGY 3164**

**Course objectives:**

- ☒ To provide students with skills to use quantitative techniques in data analysis and use multivariate analysis.
- ☒ Students will put skills learnt in a previous course to practical use in constructing various projections and in understanding surveying using standard equipment.
- ☒ Students on finishing this course will be equipped with the knowledge of several quantitative techniques applicable to geographic data.
- ☒ Develop skills in map reading, data interpretation of physical geographic and socioeconomic data.

**Course outcome:**

Students will be able to learn the different quantitative, cartographic and surveying Techniques and its applications in geographical studies.

## ***Semester IV :***

**Course Name: Environment and Climate Change**

**Course No. : GGY4176**

### **Course objectives**

This course emphasize on sensitization of climate change. It explores various aspects of climate and associated subject matter. The course is divided into three parts, mechanism of climate change; impacts, adaptation, and mitigation to climate change; Organization and Policies related to climate change. The main objectives are:

- I. To understand the mechanism of climate system
- II. To explore the impacts, adaptation and mitigation to climate change
- III. To assess objectives, policies and reports of various organizations working on climate change .

### **Course outcome**

The course will sensitize the student about the mechanism of climate and its drivers.

Learners will explore the impacts on various sectors viz. hydrosphere, cry sphere, and biosphere.

Students further learn different organizational setup and policies related to climate change.

**Course Name: Geography of Bhutan, Bangladesh and Myanmar**

**Course No. : GGY4186**

**Course objectives:**

To have a basic understanding of the regional geography of selected south Asian countries in the context of growing importance of the region and India's look east policy.

**Course outcome:**

Students will learn the scope of south-east Asian countries in regional collaboration, cooperation, in sustainable environmental and resource management.

**Course Name: Remote Sensing and GIS (Practical)**

**Course No. : GGY4193**

**Course objectives:**

This paper aims at imparting knowledge to the students in the field of technological development of the subject with special reference to Remote Sensing, GIS and GPS.

**Course outcome:**

The students will learn and acquire the skills in applying the advanced techniques of Remote Sensing, GIS and GPS in their study and research, which will lead them to quality research .

**Course Name: Agricultural Geography**

**Course No. : GGY4206 (1)**

**Course objectives.**

To know the agricultural system, types of agricultural activities, agricultural performance in different countries of the world with reference to India.

**Course outcome:**

The students will be able to know the issues and challenges associated with different agricultural systems prevalent over the globe. The students will also show the problems and prospects of agricultural development in a region.

**Course Name: Agricultural Geography (Practical)**  
**Course No. : Course No. : GGY4214 (1)**

**Course objectives:**

To know the different skills and methods used in agricultural geography with special reference to India and Assam.

**Course outcome:**

The students will be able to know the methods associated with the analysis of different agricultural systems. The students will also learn the problems and prospects of agricultural development in a region with some practical exposure trips.

**Course Name: Agricultural Geography (Dissertation)**  
**Course No. : GGY 4223 (1)**

**Course objectives:**

To get acquainted with dissertation writing methods and processes.



**Course outcome:**

Students will write a dissertation on suitable topic related to special paper applying all required methodology and dissertation writing procedure.

**Course Name: Cartography  
Course No. : GGY4206 (2)**

**Course objectives:**

In view of the wider application of cartographic tools and techniques in all geographical analysis, this special paper is introduced to provide requisite knowledge and skills in cartography.

**Course outcome:**

The students will acquire the cartographic skills which are very vital as well as prerequisite for any geographical analysis and interpretation.

**Course Name: Cartography (Practical)  
Course No. : GGY4214 (2)**

**Course objectives:**

To know the different skills and methods used in cartography.

**Course outcome:**

The students will be able to know the methods associated with the analysis of different Cartographic techniques. The students will also learn the techniques and methods.

**Course Name: Cartography (Dissertation)  
Course No. : GGY 4223 (2)**

**Course objectives:**

To get acquainted with dissertation writing methods and processes.

**Course outcome:**

Students will write a dissertation on suitable topic related to special paper applying all required methodology and dissertation writing procedure.

**Course Name: Fluvial Geomorphology**  
**Course No. : GGY4206 (3)**

**Course objectives:**

To train the students for the scientific study of rivers and their works.

To make the students understand about the fluvial actions and processes and their resultant landforms.

**Course outcome:**

The students will know how and why the fluvial system should be made sustainable for the both physical and social environments. Also acquire the techniques to study the forms and processes of fluvial landforms.

**Course Name: Fluvial Geomorphology (Practical)**  
**Course No. : GGY4214 (3)**

**Course objectives:**

To know the different skills and methods used in fluvial geomorphology with special reference to India and Assam.

**Course outcome:**

The students will be able to know the methods associated with the analysis of different geomorphologic systems.

The students will also learn the problems and prospects of fluvial characteristics in a region with some practical exposure trips.

**Course Name: Fluvial Geomorphology (Dissertation)**  
**Course No. : GGY 4223 (3)**

**Course objectives:**

To get acquainted with dissertation writing methods and processes.

**Course outcome:**

Students will write a dissertation on suitable topic related to special paper applying all required methodology and dissertation writing procedure.

**Course Name: Geography of Rural Development**  
**Course No. : GGY4206 (4)**

**Course objectives:**

To enable the students to know about the various problems and prospects of rural development in the context of geographical situation and from geographical perspectives.

**Course outcome:**

The students will have the knowledge how a region can attain development through proper and rational utilization of its resources.

**Course Name: Geography of Rural Development (Practical)**  
**Course No. : GGY4214 (4)**

**Course objectives:**

To know the different skills and methods used in geography of rural development with special reference to India and Assam.

**Course outcome:**

The students will be able to know the methods associated with the analysis of different geography of rural development. The students will also learn the problems and prospects of geography of rural development in a region with some practical exposure trips.

**Course Name: Geography of Rural Development (Dissertation)  
Course No. : GGY 4223(4)**

**Course objectives:**

To get acquainted with dissertation writing methods and processes.

**Course outcome:**

Students will write a dissertation on suitable topic related to special paper applying all required methodology and dissertation writing procedure.

**Course Name: Geoinformatics  
Course No. : GGY4206 (5)**

**Course objectives:**

To train the students in the emerging field of advanced technology, i.e., Geo-informatics which include the applications of Remote Sensing, GIS and GPS.

**Course outcome:**

The students will enrich themselves with the techniques and skills of Remote Sensing, GIS and GPS and be able to apply these in quality study and research in geography.

**Course Name: Geoinformatics (Practical)**  
**Course No. : GGY4214 (5)**

**Course objectives:**

To know the different skills and methods used in mapping purpose by the help of geoinformatics techniques.

**Course outcome:**

The students will be able to know the methods associated with the analysis of different geoinformatics techniques and its applications.

**Course Name: Geoinformatics (Dissertation)**  
**Course No. : GGY 4223(5)**

**Course objectives:**

To get acquainted with dissertation writing methods and processes.

**Course outcome:**

Students will write a dissertation on suitable topic related to special paper applying all required methodology and dissertation writing procedure.

**Course Name: Population Geography**  
**Course No. : GGY4206 (6)**

**Course objectives:**

To enable the students to realize the population as resource and burden for a country or nation in its geographical context/framework.

**Course outcome:**

The students will show the problems and prospects associated with population and also know how population problem can be managed using the applied knowledge of geography.

**Course Name: Population Geography (Practical)**  
**Course No. : GGY4214 (6)**

**Course objectives:**

To know the different skills and methods used in population geography with special reference to India and Assam.

**Course outcome:**

The students will be able to know the methods associated with the analysis of different demographic characteristics. The students will also learn the problems and prospects of demographic characteristics in a region with some practical exposure trips.

**Course Name: Population Geography (Dissertation)**  
**Course No. : GGY 4223 (6)**

**Course objectives:**

To get acquainted with dissertation writing methods and processes.

**Course outcome:**

Students will write a dissertation on suitable topic related to special paper applying all required methodology and dissertation writing procedure.

**Course Name: Regional Development Planning**  
**Course No. : GGY4206 (7)**

**Course objectives:**

To provide requisite knowledge on the various issues on development and also the planning process. Also to impart concepts and ideas how regional development can be attained through proper planning of the resources.

**Course outcome:**

The students will acquire applied knowledge how any region can be development through proper planning of the resources and other potentials.

**Course Name: Regional Development Planning (Practical)**  
**Course No. : GGY4214 (7)**

**Course objectives:**

To know the different skills and methods used in regional development planning with special reference to India and Assam.

**Course outcome:**

The students will be able to know the methods associated with the analysis of different regional development planning. The students will also learn the problems and prospects of regional development planning in a region with some practical exposure trips.

**Course Name: Regional Development Planning (Dissertation)**  
**Course No. : GGY 4223 (7)**

**Course objectives:**

To get acquainted with dissertation writing methods and processes.

**Course outcome:**

Students will write a dissertation on suitable topic related to special paper applying all required methodology and dissertation writing procedure.

**Course Name: Social Geography**  
**Course No.: GGY4206 (8)**

**Course objectives:**

To provide knowledge on society, population social groups, communities etc. and also the pattern of spatial organization of these entire in social environment.

**Course outcome:**

The students will be able to analyze the social problems and their causative factors by which they will also be able in a position to handle the ethnic issues emerging here and there.

**Course Name: Social Geography (Practical)**  
**Course No. : GGY4214 (8)**

**Course objectives:**

To know the different skills and methods used in social geography with special reference to India and Assam.

**Course outcome:**

The students will be able to know the methods associated with the analysis of different social issues. The students will also learn the problems and prospects of social development in a region with some practical exposure trips.

**Course Name: Social Geography (Dissertation)**  
**Course No. : GGY 4223 (8)**

**Course objectives:**

To get acquainted with dissertation writing methods and processes.



**Course outcome:**

Students will write a dissertation on suitable topic related to special paper applying all required methodology and dissertation writing procedure.

\*\*\*\*\*

**Program objectives and Course outcomes  
(BA/B.Sc in Geography)  
Department of Geography, Morigaon College**

**Semester: I**

**Course Name: Geomorphology**

## **Course No. GGY-HC-1016**

### **Course objectives**

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

### **Course outcomes**

- \* The students will learn that the earth is unstable and it is undergoing constant changes due to dynamic earth's processes.
- \* The students will come to know about the meaning and scope of geomorphology as a major branch of Physical Geography.
- \* After gaining knowledge based on the contents embodied in this paper, the students will be able to realize the importance of geomorphological knowledge as applied in various developmental activities executed in different areas.

## **Course Name: Cartographic Techniques Course No. GGY-HC-1026**

### **Course objectives**

This course on Cartographic Techniques provides a general understanding of the field of cartography including its modern developments and importance in geographic study. It more particularly focuses on various types of map scale and their construction; principles of map projection and construction of selected few; and preparation of thematic maps through the representation of various geographical data using different cartographic techniques.

### **Course outcomes:**

- Understanding the importance of various cartographic techniques in geographical study.
- General understanding of map type, map scale and map content.
- An acquaintance of different cartographic techniques for representation of various facets of physical and human geographic data of any area.

## **Course Name: Physical Geography Course No. GGY-HG-1036**

### **Course objectives**

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

### **Course outcomes**

- The students will learn that the earth is unstable and it is undergoing constant changes due to dynamic earth's processes.
- The students will come to know about the meaning and scope of geomorphology, which is a major branch of Physical Geography.
- After gaining knowledge based on the contents embodied in this paper, the students will be able to realize the importance of geomorphological knowledge as applied in various developmental activities executed on the land and over the earth's surface.

## **Semester: II**

**Course Name: Human Geography**  
**Paper Code: GGY-HC-2016**

### **Course objectives**

- This paper is a core paper that intends to introduce students to human geography and how humankind transforms and gets transformed by geographic space.
- It seeks to develop new insights among students on the relevance of human-environmental relationships and how a spatial perspective shapes these relationships.

### **Course outcomes**

- The paper will be useful for students in developing ideas on human-environment issues that geographers usually address in the anthropocene
- The paper will be useful for students preparing for UGC NET/SLET exams and other competitive exams including the civil services.

**Course Name: Climatology and Biogeography**  
**Course No. GGY-HC-2026**

### **Course objectives:**

- This paper is a core paper that intends to introduce students to the rationale underlying

climatological studies in geography

- It seeks to develop new insights among students on the relevance of climatic variables pertaining to climate change.
- 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's surface.

***Course outcomes:***

- The paper will be useful for students in developing ideas on climate-related aspects of geographical analyses.
- The paper will help provide theoretical insights and perspectives to students if they wish to pursue a research programme in the future.
- Students will develop a basic understanding of the introductory concepts in biogeography.
- The paper will be very useful for students preparing for UGC NET-JRF / SLET exam and other competitive exams including civil services.

**Course Name: Human Geography  
Course No. GGY-HG-2036**

**Course objectives:**

- This paper is a core paper that intends to introduce students to human geography and how humankind transforms and gets transformed by geographic space.
- It seeks to develop new insights among students on the relevance of human-environmental relationships and how a spatial perspective shapes these relationships.

**Course outcomes:**

- The paper will be useful for students in developing ideas on human-environment issues that geographers usually address in the Anthropocene.
- The paper will be useful for students preparing for various competitive examinations including the civil services.

**Semester: III**

**Course Name: Economic Geography  
Course No. GGY-HC-3016**

***Course Objectives:***

- 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.
- It seeks to develop new insights among students on the relevance of economy geography and associated problems in contemporary times.

***Course Outcomes:***

- The paper will be useful for students in developing ideas on how geographical aspects organise economic space and will offer perspectives to students if they wish to pursue a research programme.
- The paper will be useful for students preparing for UGC NET/SLET exams and other competitive exams including the civil services.

**Course Name: Geography of India with Special Reference to N.E. India**  
**Course No. GGY-HC-3026**

**Course objectives:**

- This is a core paper which intends to introduce students To India as a geographical entity.
- It seeks to develop new insights among students on significant geographical dimensions of the country along with its north-eastern part.
- A field study is incorporated to make the students understand regional diversity of India with respect to its land, people and economy.

**Course outcomes:**

- The paper will be useful for students in developing understanding on Indian geography and its various dimensions.
- It will also be useful for students preparing for various competitive examinations including civil services

**Course Name: Quantitative Methods in Geography**  
**Course No. GGY-HC-3036**

**Course Objectives:**

The paper Quantitative Methods in Geography throws light on the importance of data in geography. It deals with the methods and techniques of data collection, data tabulation, data interpretation and analysis through the application of some basic statistical measures. This paper provides an understanding of the pure and applied nature of geography along with the key elements in the discipline.

**Course Outcomes:**

- Thorough understanding of the statistical methods and techniques used in geographical studies;
- Understanding of tabulation, analysis and interpretation of geographical data.

**Course Name: Thematic Cartography  
Course No. GGY-SE-3054**

**Course Objectives:**

This course on thematic cartography provides a general understanding of methods and techniques and importance in geographic study. It more particularly focuses on various themes of cartographic techniques; principles of different types of symbols, methods for preparation of maps or plan in different environment and representation of various features of the earth's surface using different cartographic techniques.

**Course outcomes:**

- Understanding the importance of various techniques of preparation of maps in geographical study
- General understanding of preparation of different types of plan and maps.
- An acquaintance of different cartographic techniques for representation of various facets of earth's surface.

**Course Name: Economic Geography  
Course No. GGY-HG-3066**

**Course Objectives:**

- This is a generic elective paper with a view to make the students of other honours subjects understand the basic principles of economic geography and associated patterns and processes of major economic activities in the world.
- It seeks to develop insights among the students about the relevance of studying economic geography and understanding contemporary economic problems from geographical perspective.

**Course Outcomes:**

This paper will be useful for the students in developing understanding on how geographical factors organize economic space, and to acquire knowledge about spatial patterns of various economic activities on the earth.

## **Semester: IV**

### **Course Name: Environmental Geography and Disaster Management Course No. GGY-HC-4016**

#### **Course objectives**

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

#### **Course outcomes**

- This paper will be useful for students in developing ideas on environmental issues including disasters that geographers usually address.
- This paper will be useful for students preparing for different competitive exams including the civil services.

### **Course Name: Population and Settlement Geography Course No. GGY-HC-4026**

#### **Course objectives**

- 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.
- It seeks to develop understanding among students about the significance of population geography and settlement geography and their inter-relationship.

#### **Course outcomes**

- The paper will be useful for students in developing ideas about spatio-temporal changes in the characteristics of population and settlement and the factors associated with them.
- The paper will be useful for students preparing for various competitive exams including the civil services.

### **Course Name: Remote Sensing, GIS and GPS Course No. GGY-HC-4036**

#### **Course objectives**

- This paper is a core paper that intends to introduce students to the interface of Remote Sensing and GIS
- It seeks to develop new insights among students on the relevance of geospatial studies within the field of geography.

**Course outcomes**

- The paper remains useful for students in developing skills in spatial data analysis if they wish to pursue a research programme.
- The paper will be useful for students preparing for different competitive exams including the civil services.

**Course Name: Surveying Techniques  
Course No. GGY-SE-4054**

**Course Objectives:**

This course on Surveying Techniques provides a general understanding of the field of survey including its modern tools and importance in geographic study. It more particularly focuses on various types of survey instruments; principles of different types of surveying, methods of carrying out survey for preparation of map/plan in different environment by presentation of various aspects of the area.

**Course Outcomes:**

- Understanding the importance of various surveying techniques in geographical study
  - General understanding of preparation procedures of different types of plan and map
- An acquaintance of different surveying techniques for representation of various spatial objects Phenomena.

**Course Name: Geography of India with Reference N.E. India  
Course No. GGY-HG-4066**



### **Course objectives**

- This is an elective paper which intends to introduce students to India as a geographical entity.
- It seeks to develop new insights among students on significant geographical dimensions of the country along with its north-eastern part.
- A field study is incorporated to make the students understand regional diversity of India with respect to its land, people and economy.

### **Course outcome**

- The paper will be useful for students in developing understanding on Indian geography and its various dimensions.
- It will also be useful for students preparing for various competitive examinations including civil services.

## **Semester: V**

### **Course Name: Social and Political Geography Course No. GGY-HC-5016**

#### ***Course objectives:***

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

#### ***Course outcome:***

- ☐ This course will help equip the students to comprehend various social and political aspects of phenomena and their interface within the realm of geography.
- ☐ The paper will be very useful for students preparing for various competitive examinations including civil services.

### **Course Name: Field Techniques in Geography Course No. GGY-HC-5026**

**Course objectives:**

This paper on Field Techniques in Geography is of pedagogical importance as it helps the students of geography to acquire the first hand experience about the geography of a particular area. 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.

**Course outcomes:**

- This course will help students to proceed with a research problem and the steps she/he should adopt and the tools and craft to be employed for doing quality research.
- Students perceive fieldwork to be beneficial to their learning, because through it they experience 'geographical reality', and have deeper understanding of the subject.
- The students will have a chance to interact with respondents and collect data through questionnaire directly from the field.
- This course will develop understanding about designing and writing a field report.

**Course Name: Regional Development and Planning  
Course No. GGY-HE-5046**

**Course objectives:**

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

**Course outcomes:**

- The paper will be useful for students in developing ideas on disparities within and between countries and their fallout.
- The paper will help provide theoretical insights and perspectives to students, if they wish to pursue a higher studies or research in future.
- The paper will be very useful for students preparing for various competitive examinations including civil services.

**Course Name: Agricultural Geography  
Course No. GGY-HE-5066**

**Course Objectives:**

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

**Course Outcome:**

- This paper will be useful for students in developing ideas about agricultural practices and their distribution and characteristics.
- This paper will also be useful to the students in understanding the world agricultural systems.
- This paper will help develop understanding of location of agricultural activities and associated contemporary problems and challenges

**Semester: VI**

**Course Name: Geographical Thought  
Course No. GGY-HC-6016**

**Course objectives:**

- This course introduces the students to the theoretical development of geography over time.
- 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.

**Course outcomes:**

- This course develops a comprehensive understanding of the discipline;
- This course helps the students to apply the historic and contemporary perspective to explain and approach the real world geographic problems.

**Course Name: Research Methods in Geography and Project Work**

## **Course No. GGY-HC-6026**

### **Course Objectives:**

The paper on Research Methods will enable the students:

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

### **Course Outcomes:**

- This course will help the students to proceed with a research problem and the steps she/he should adopt and the tools and craft to be employed while doing quality research.

## **Course Name: Geography of Health Course No. GGY-HE-6036**

### **Course objectives:**

This course basically deals with understanding the concept of health and geography of health as a field of study. It throws light on the factors determining human health and occurrence of various types of diseases in relation to ecology. It also provides information about human health in relation to global climate change in general and disease pattern in relation to varying environmental contexts in India in particular.

### **Course outcomes:**

- Understanding of the concept of human health and healthcare from the perspective of geography.
- Acquiring knowledge about factors influencing human health and occurrence of diseases in varying ecological settings.
- Providing useful information about the impact of global climate change on human health and occurrence of various diseases in different ecological settings in India.

**Course Name: Geography of Resources and Development**  
**Course No. GGY-HE-6066**

**Course Objectives:**

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

**Course Outcomes:**

- This paper will be useful to students in developing ideas on different aspects of resources, and the linkages with development issues that geographers usually address.
- This paper will also be useful for students preparing for different competitive examinations including the civil services.

**Program objectives and Course outcomes**  
**BA/B.Sc (FYUGP) in Geography**  
**Department of Geography, Morigaon College**  
**(ON THE BASIC OF NEP SYLLABUS 2020)**

**SEMESTER: I**

**Paper Name: Introduction to Physical Geography**  
**Paper Level: - Foundation & Introductory**

**Course Objectives:-**

- To explain the basic concepts and principles of physical geography.
- To identify the major processes that shape the earth's Physical Environment.
- Analyze how physical geography processes impact human activities and development.
- Apply critical Thinking skills to analyze and solve problems related to physical geography.

**Learning Outcome:-**

- To introduce students to the principles of physical geography and their applications.
- To enable students to develop a deep understanding of the processes that drive physical geography.
- To enable students to apply the principles of physical geography to practical real world situations.

## **SEMESTER: I**

### **Paper Name: Field Survey: Techniques and Application (SEC)**

#### **Course Outcomes:**

This course will help students to proceed with a research problem and the steps he/she should adopt and tools to be used for doing quality research, The students shall get a chance to observe ground reality directly and minutely, It will help to develop understanding about designing and writing a research report .

#### **Course Outline:**

**Unit I:** Meaning of Social Surveying; Need and importance of field work in socio-geographical studies

**Unit II:** Concept of case study and its identification in varying socio- geographical contexts

**Unit III:** Tools and Techniques of Data Collection: Questionnaire Survey, Participatory Rural Appraisal Techniques, Participant Observation, Focus Group Discussions etc.

**Unit IV:** Preparation of a report on socio-economic condition of a nearby village and Seminar Presentation